SANTA ANA COLLEGE

2026-2027
CATALOG



ACADEMIC EXCELLENCE SINCE 1915

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SANTA ANA COLLEGE

2026 - 2027 CATALOG

AND ANNOUNCEMENT OF COURSES

SANTA ANA COLLEGE

1530 West 17th Street • Santa Ana, CA 92706 • 714-564-6000

SCHOOL OF CONTINUING EDUCATION

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RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT

2323 North Broadway • Santa Ana, CA 92706-1640 • 714-480-7300 • rsccd.edu

Santa Ana College • Santiago Canyon College

Rancho Santiago Community College District serves residents of Anaheim Hills, Orange, Santa Ana, Villa Park, and a portion of Garden Grove.

ACCREDITED BY THE WESTERN ASSOCIATION OF SCHOOLS AND COLLEGES

Santa Ana College and Santiago Canyon College are accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, (10 Commercial Blvd., Suite 204, Novato, CA 94949, 415-506-0234), an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education.

SAC.EDU

COLLEGE CREDIT INSTRUCTIONAL CALENDAR 2026-2027

FALL SEMESTER 2026

FACULTY ACTIVITIES	
August 10-14	Faculty Projects
August 10 & 12	Common College Flex Days
INSTRUCTION	
August 17	INSTRUCTION BEGINS
December 5	INSTRUCTION ENDS
DEADLINES	
August 30	Last day to add and to drop full-term classes without "W" grade with enrollment fee refund
August 31	Fall Census
September 4	Deadline for Graduation Petition for Associate Degrees for Transfer (ADT) - only for eVerify
October 2	Deadline for Degree/Certificate/Certification Petitions
November 8	Last day to drop semester-length classes with a "W" grade
December 10	Fall 2026 Grade Submission Deadline
HOLIDAYS	
September 7	Labor Day
November 11	Veterans Day
November 26-27	Thanksgiving
Dec. 21 – Dec. 27	Holiday Break

INTERSESSION 2027

INSTRUCTION	
January 4	INSTRUCTION BEGINS
January 30	INSTRUCTION ENDS
DEADLINES	
February 4	Intersession 2027 Grade Submission Deadline
HOLIDAYS	
January 18	Martin Luther King Jr. Day

SPRING SEMESTER 2027

FACULTY ACTIVITIES	
February 1-4	Faculty Projects
February 1 & 3	Common College Flex Days
INSTRUCTION	
February 8	INSTRUCTION BEGINS
June 5	INSTRUCTION ENDS
DEADLINES	
February 5	Deadline for Graduation Petition for Associate Degrees for Transfer (ADT) - only for eVerify
February 21	Last day to add and to drop full-term classes without "W" grade with enrollment fee refund
February 22	Spring Census
March 5	Deadline for Degree/Certificate/Certification Petitions
May 9	Last day to drop semester-length classes with "W" grade
June 10	Spring 2027 Grade Submission Deadline
HOLIDAYS	
February 12	Lincoln's Birthday (observed)
February 15	Presidents' Day
March 31	Farmworkers Day
April 5-10	Spring Break
May 31	Memorial Day
COMMENCEMENT	
June 3	Commencement - Santiago Canyon College
June 4	Commencement - Santa Ana College

SUMMER SESSION 2027

INSTRUCTION	
June 14	INSTRUCTION BEGINS
August 6	INSTRUCTION ENDS
DEADLINES	
June 22	Deadline for Graduation Petition
August 12	Summer 2026 Grade Submission Deadline
HOLIDAYS	
June 18	Juneteenth
July 5	Independence Day (observed)

WELCOME TO SANTA ANA COLLEGE!

President's Message:



We are so happy that you are at Santa Ana College! We welcome you and we offer up a promise that we are here to provide you with all of the resources and services that you need to receive a high-quality education. You are our priority. Founded in 1915, Santa Ana College has been a part of the broader Santa Ana community for over 110 years. We have a rich tradition of academic excellence, whether you want to learn English, earn a High School Diploma, pursue a Career or Technical Education, earn an Associate's or Bachelor's Degree, or Transfer to a 4-year institution. Here at Santa Ana College, we have a pathway for you! We recognize that you may be at different stages of your life, whether you are a recent high school graduate or you are a student returning to school after years in the workforce. We know that going to college is no small feat. We are proud of your dedication, and the way you are able to balance work, family, life, and school. We are here to help you thrive and meet your educational goals. Through our Guided Pathways framework, we work diligently to ensure students stay on their career or academic path towards completion of their goals. Our new state-of-the-art facilities, our offerings of unparalleled support and resources, and our enriched student engagement opportunities, are just a few facets of that growth, which will enable students to rise through education, helping to change their future and legacy for their families. We stand ready to inspire, transform, and empower you on your educational journey!

Welcome again,

Annebelle Nery, Ph.D., President

Santa Ana College Mission and Vision Statement

Santa Ana College Mission Statement

Santa Ana College inspires, transforms, and empowers a diverse community of learners.

Santa Ana College Vision Statement

Santa Ana College is the college of choice that empowers individuals and is committed to creating and strengthening a student-centered, diverse, and welcoming community . The innovative academic pathways and services that we provide inspire and motivate students to achieve educational excellence and economic advancement in a supportive environment.

Catalog Content

The Rancho Santiago Community College District and Santa Ana College have made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the administration of the district for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the district and the colleges. The district and the college further reserve the right to add, amend, or repeal any of their rules, regulations, policies, and procedures.

Institutional Learning Outcomes (Core Competencies)

1. Communication Skills

Students will be able to communicate effectively.

a. Interpreting and Conveying Information

Students will be able to express and explain their ideas and feelings.

b. Reading and Writing

Students will be able to effectively read college materials to identify, define, and employ concepts.Students will be able to communicate effectively in writing.

2. Critical and Creative Thinking

Students will be able to identify and analyze information and develop, evaluate, and synthesize ideas while applying problem solving skills using creative thinking.

a. Critical Thinking

Students will be able to employ quantitative and scientific reasoning. Students will be able to solve problems; explain their conclusions; and evaluate, support, or critique the thinking of others.

b. Creative Thinking

Students will be able to formulate original ideas and concepts integrating those of others in the creative process.

c. Quantitative and Scientific Reasoning

Students will be able to use college-level mathematical concepts and methods to analyze and explain issues in quantitative terms.Students will be able to interpret, calculate, analyze, and represent quantitative data.Students will be able to employ quantitative data to empirical data.

d. Information Competency

Students will be able to conduct research at a level that is necessary to achieve personal, professional, and educational success. They will be able to use print material and use digital resources technology to identify research needs as well as to seek, access, evaluate, and apply information effectively and responsibly. Students will be able to think of and/or transfer knowledge and skills across disciplines and contexts.

3. **Diversity/Multicultural and Global Awareness**

Students will be able to evaluate individual responsibility, personal integrity, and respect for racial, ethnic, sexual orientation, and other diverse groups of people and cultures of the world.

a. Cultural

Students will be able to respect, engage, and critically evaluate the beliefs and practices of diverse groups of people including those of different cultural and linguistic backgrounds and different abilities.

b. Environmental

Students will be able to evaluate ethical issues for making decisions about the environment.

4. Social Responsibility

Students will be able to account for their personal responsibilities in and outside of the classroom.

a. Civic Responsibility

Students will be able to evaluate personal responsibility for becoming informed, ethical, and active citizens of their community, their nation, and their world.

b. Ethical Reasoning

Students will be able to evaluate ethical issues that will enhance their capacity for making sound judgments and decisions.

c. Social

Students will be able to interact with individuals and within groups with integrity and awareness of others' opinions, feelings, and values.

5. Personal and Professional Development

Students will be able to demonstrate personal growth through the development and enhancement of specialized skills aimed at professional life and achievement.

a. Aesthetic Appreciation

Students will be able to evaluate artistic and creative expression.

b. Creative Expression

Students will be able to produce artistic and creative forms of expression.

c. Personal Growth

Students will be able to evaluate habits of intellectual exploration, personal responsibility, and practical and physical well-being.

d. Interpersonal Skills

Students will be able to evaluate their participation in teams, committees, task forces, and in other group efforts to facilitate decision making and to seek and achieve consensus.

e. Careers

Students will be able to evaluate the knowledge and skills necessary to select and compare and contrast careers.

f. Technology Competency

Students will be able to use technology learning tools and technology applications to achieve discipline-specific course requirements and standards.

Accreditation

Santa Ana College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of Schools and Colleges (WASC), an institutional accrediting body recognized by the Council for Higher Education Accreditation, the U.S. Department of Education, and the Veterans Administration. The college holds membership in the Community College League of California and the American Association of Community and Junior Colleges.

In addition to the current ACCJC college-wide accreditation, specified programs at Santa Ana

College is also accredited by external accrediting bodies:

1. Automotive Technology: National Automotive Technicians Education Foundation (NATEF)
2. Basic Fire Academy - Accredited CA Firefighter I (FFI) Training Academy (OSFM). Graduates earn CA FFI Certificate of Training with IFSAC and Pro Board seals.
3. Emergency Medical Technician: Orange County Emergency Medical Services (OCEMS)
4. Fire Technology Program - Accredited as a regional Training Program (ARTP) by the CA Office of the State Fire Marshal (OSFM)
5. International Business: National Association of Small Business International Trade Educators (NASBITE)
6. Occupational Therapy Assistant: Accreditation Council for Occupational Therapy Education (ACOTE)
7. Paralegal Studies: American Bar Association (ABA)
8. Pharmacy Technology: American Society of Health-System Pharmacists (ASHP)
9. Registered Nursing: Approved by the Board of Registered Nursing (BRN) and accredited by the Accreditation Commission for Education in Nursing (ACEN)\Basic Police Academy: CA Commission on Peace Officer Standards and Training
10. Basic Police Academy: California Commission on Peace Officer Standards and Training (POST)
11. Sheriff Special Officer Academy: CA Commission on Peace Officer Standards and Training (POST)
12. Correctional Services Assistant Academy: CA Standards and Training for Corrections

Documents concerning the college's accreditation, licenses, and approvals are maintained in the Office of The President of Santa Ana College. Students wishing to examine these documents may do so by contacting the Office of the President. Additional information about accreditation, including filing complaints against member institutions, can be found at: www.accjc.org.

Rancho Santiago Community College District

Governed locally by a seven-member Board of Trustees elected by the citizens of the district, Rancho Santiago Community College District (RSCCD) is a part of the California community college system, one of the three segments of the public post-secondary educational systems in the state.

RSCCD, located in central Orange County, encompasses 193 square miles with a population of approximately 770,000. The district's boundaries include all of the K–12 schools within the Orange and Santa Ana Unified School Districts, as well as a portion of the Garden Grove Unified School District. RSCCD's boundaries extend from the eastern portion of the city of Garden Grove, around the perimeters of Santa Ana, Orange, Villa Park, and Anaheim Hills, and east to the Riverside County line.

Enrollment in district programs for fall 2025 totaled 67,814 students with 37,252 students enrolled in college credit courses and 30,562 students enrolled in Continuing Education. The Community Education, formerly known as Community Services Program, serves 970 residents districtwide in not for credit, fee-supported classes.

Santa Ana College and Santiago Canyon College

Santa Ana College opened in 1915 as an upward extension of Santa Ana High School, and is the fourth oldest community college in California.

Initially located on the campus of Santa Ana High School, it moved to downtown Santa Ana in 1933, and then to its current location in 1947. Santa Ana College serves the city of Santa Ana and portions of the cities of Tustin, Irvine, and Garden Grove.

Santiago Canyon College is among the newest community colleges in California and began offering classes in 1985 as the Orange Campus within the Rancho Santiago Canyon Community College District.

Santiago Canyon College earned its independent accreditation in January 2000, and serves the communities of Orange, Villa Park, and Anaheim Hills.

In Fall of 2025, the total number of students at Santa Ana College was 50,767 with 27,852 students in college credit courses and 22,915 students in classes for Continuing Education. The Community Education Program serves another 440 residents in fee-based not for credit classes.

Santa Ana College offers 309 degrees and certificates in credit programs that prepare students for transfer to 4-year universities or careers. In addition, over 950 classes are offered to students in a variety of noncredit programs including 65 certificates and an Adult High School Diploma program in Continuing Education programs.

District Facilities

Santa Ana College is located on approximately 74 acres at 1530 W. 17th Street in Santa Ana. The college was first opened in 1915 as an upward extension of Santa Ana High School. It is the fourth oldest community college in California. Located first on the high school campus, the college was moved to downtown Santa Ana and then to the present site in 1947.

Santiago Canyon College is situated on 82 acres at 8045 E. Chapman Avenue in Orange. It opened its first phase of classrooms in fall 1985 under the name of the Orange Campus of Rancho Santiago College. The Child Development Center opened in fall 1991 to provide childcare services.

Centennial Education Center in Santa Ana and the Santiago Canyon College Orange Education Center house the college's extensive Continuing Education programs, which provide high school diplomas, English as a Second Language and older adults courses.

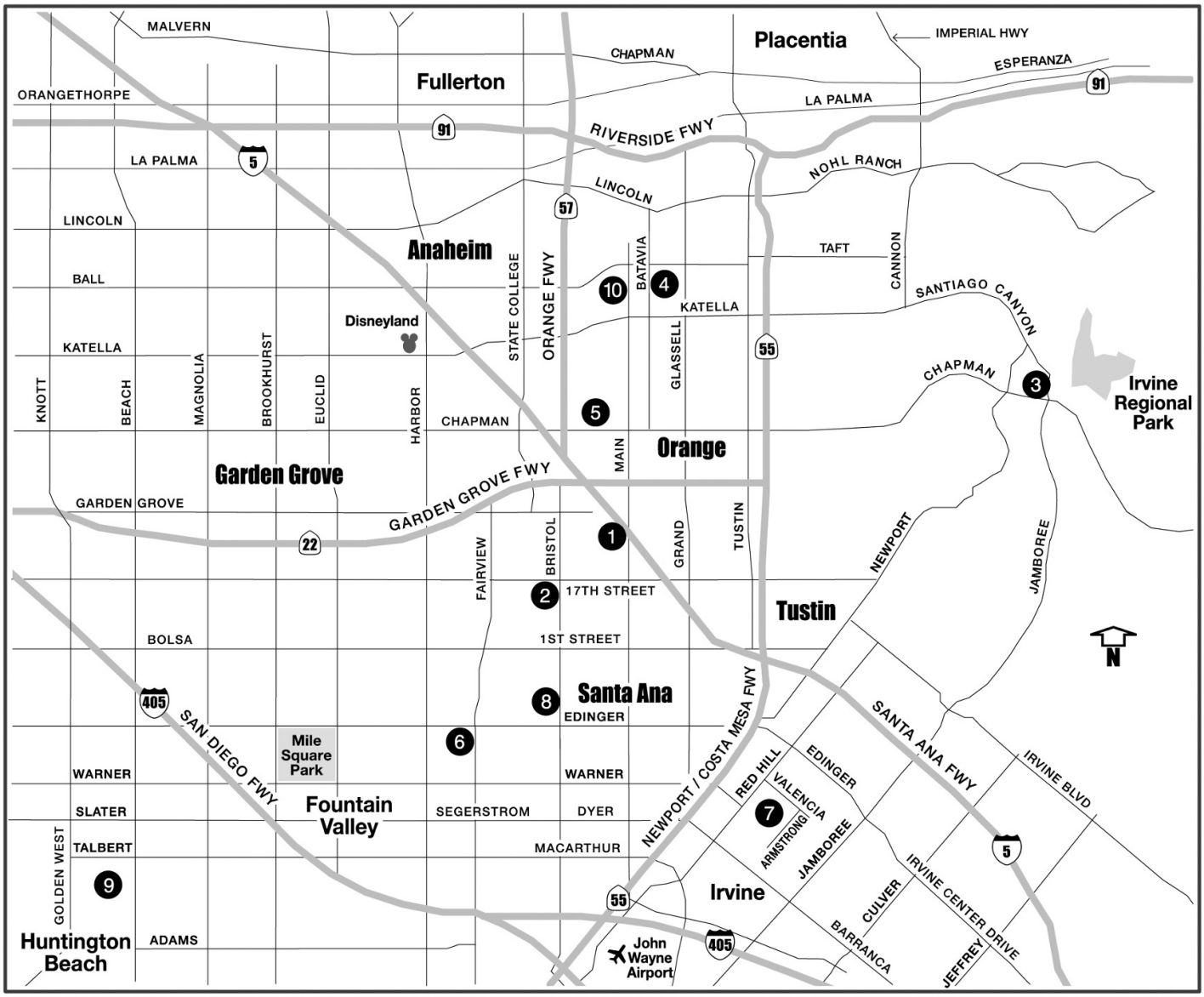
Opportunity

The Rancho Santiago Community College District provides opportunities for the pursuit of excellence through educational programs and services for local residents. The purpose of these programs and services is to enhance the quality of human life by providing public access to college education. A significant number of classes are scheduled off-campus each semester in order to enhance accessibility to students.

Rancho Santiago Community College District: Key to Locations

The map indicates the locations of the major instructional sites within the district.

1. RSCCD District Office, 2323 N. Broadway, Santa Ana
2. Santa Ana College, 1530 W. 17th St., Santa Ana
3. Santiago Canyon College, 8045 E. Chapman Ave., Orange
4. Orange Education Center, 1465 N. Batavia St., Orange
5. OEC Provisional Education Facility, 1937 W. Chapman Ave., 2nd Floor, Orange
6. Centennial Education Center, 2900 W. Edinger Ave., Santa Ana
7. Santa Ana College - Orange County Sheriff's Regional Training Academy, 15991 Armstrong Blvd., Tustin
8. Digital Media Center, 1300 S. Bristol St., Santa Ana
9. Joint Powers Fire Training Center, 18301 Gothard St., Huntington Beach
10. College and Workforce Preparation Center, 1572 N. Main St., Orange Admissions and Registration



PRESIDENT'S OFFICE 2026–2027

President: Annebelle Nery, Ph.D.

Assistant to the President: Leisa Schumacher

Public Information Officer: Ethereal Violet Reyes

Associate Dean, Research, Institutional Effectiveness & Planning: Vacant

Executive Director, College Advancement: Christina Romero

ADMINISTRATIVE SERVICES

Interim Vice President: James Kennedy, Ed.D.

Director, Administrative Services: Eden Andom

Director, Campus Budget and Accounting: Mark Reynoso

Director, Physical Plant & Facilities: Shannon Kaveney

Director – Auxiliary Services: Jennie Adams

ACADEMIC AFFAIRS

Vice President and Accreditation Liaison Officer: Jeffrey N. Lamb, Ph.D.

ACADEMIC AFFAIRS DIVISION

Dean: Matthew M. Morin, Ph.D.

Associate Dean, Library & Learning Resources: Parisa Samaie, Ed.D.

Library Co-Chairs: Susan Huong, Annie Knight

Learning Center Faculty Coordinator: Katherine Walczak

Interim Associate Dean: Refugio Rodriguez, Ed.D.

Acting Director, Dual Enrollment: Elisabeth Chavez, Ph.D.

Director, Distance Education: Marvin Gabut, Ph.D.

BUSINESS DIVISION

Dean: Anthony W. Pagán

Accounting and Business Administration Co-Chairs: Mark McCallick, John Strong

Business Applications and Technology Co-Chairs: Dori Dumon, Adam Morgan

Computer Science Co-Chairs: Hugh Nguyen, Jason Sim, Nicholas Quach

Engineering Chair: Craig Takahashi

Global Business & Entrepreneurship Co-Chairs: Ali Kowsari, Gabriel Shweiri, Madeline Grant

Legal Studies Co-Chairs: Kimberly Smith, Kristen Robinson

FINE AND PERFORMING ARTS DIVISION

Dean: Kristi Blackburn, Ph.D.

Associate Dean, Carin Jacobs

Art Co-Chairs: Jacqueline Schlossman, Darren Hostetter

Communication Studies Co-Chairs: Cathryn Pierce, Reyna Cummings

Journalism & Media Studies Co-Chairs: Ajay Orona, Sarah Bennett

Dance Chair: Heather Gillette

Digital Media Co-Chairs: Stephanie Clark, Michael Taylor

Fashion Design and Merchandising Chair: Kyla Benson

Music Co-Chairs: John Marr, Elliott Jones

Theatre Arts Co-Chairs: Kevin Slay, Chris Cannon

HUMANITIES AND SOCIAL SCIENCES DIVISION

Dean: Javier Galván, Ed.D.

American Sign Language Chair: Elizabeth Smith

Anthropology/Sociology/Woman's Studies Co-chairs: Mario Robertson, Alondo Campbell

Economics/Geography Chair: Michael Levine

EMLS (ESL) Chair: Melanie Mowrer

English Co-Chairs: Christina Axtell, Brandon Rocke

Ethnic Studies Co-Chairs: Rodrigo Valles, Raul Herrera, Jessica Suarez

History Chair: Megan Lange

Modern Languages Chair: Martha Guerrero

Political Science Chair: Philippe Andrade

Philosophy Chair: Zachary Fish

Psychology Chair: Ricardo Castillo

HUMAN SERVICES AND TECHNOLOGY DIVISION

Dean: Vacant

Associate Dean of Criminal Justice Academies: Ernie Gomez

Associate Dean of Fire Technology: William Reardon

Criminal Justice Chair: Andy Gonis

Director, Wellness: Antoinette Pitchford, Ed.D.

Fire Technology Co-Chairs: Jennifer Meloni, Michael Busch

Automotive/Diesel/Welding Co-Chairs: Greg Gonzales, David Roper, Matthew Bittner

Child Development and Educational Studies Co-Chairs: Michelle Kimmel, Trudy Naman

Manufacturing Technology Chair: Nick Singh

Nutrition and Foods Co-chairs: Sarah Mathot, Tiffany Heremans

Pharmacy Technology Chair: Carolyn Slocum

Occupational Therapy Assistant Chair: Dawn McKenna

Speech Language Pathology Assistant Chair: Monica Zarske

KINESIOLOGY, HEALTH AND ATHLETICS DIVISION

Dean: Andrea Picchi

Associate Dean: Mary Hegarty

Kinesiology Chair: Brian Sos

Head Coach – Baseball: Tom Nilles

Head Coach – Football: Adam Nyssen

Head Coach – Wrestling: Vince Silva

SCIENCE, MATHEMATICS, AND HEALTH SCIENCES DIVISION

Dean: Saeid Eidgahy, Ph.D.

Associate Dean Health Sciences: Deanna Jung, DNP

Biology Co-Chairs: Andrew Barrios, Arjun Nair

Chemistry Co-Chairs: William Nguyen, Jennifer McAdam

Health Sciences Chair: Marlowe Klein

Mathematics Co-Chairs: Justin Tolentino, Janet Lechuga, Rachel Lui

Medical Assistant Chair: Catherine Emley

Physical Sciences Co-Chairs: Claire Coyne, Alex Natale

STUDENT SERVICES

Vice President: Vaniethia Hubbard, Ed.D.

ENROLLMENT SERVICES

Dean: Mark DeAsis

Associate Dean of Admissions and Records: Hung Nguyen

Associate Dean of Financial Aid: Lorena Valencia

Student Placement: Denise Scolaro

Director, International Student Program: Tina Newton

Student Coordinator: Junko Ishikawa

Student Coordinator: Dao Nguyen

COUNSELING DIVISION

Dean: Maria Dela Cruz, Ph.D.

Associate Dean, Counseling: Armando Soto, Ed.D.

Associate Dean-EOPS/CARE and CalWORKs: Deisy C. Romero

Director, Career Center: Christina Kim Wagner

Director, Guardian Scholars: Dolores Cornejo

Counseling Co-Chairs: Steve Bautista, Ed.D., Ann Cass, Leo Pastrana

Articulation Officer: Paula Canzona

Counselor/Coordinator–MESA: Daniel Ruiz

Counselor/Coordinator–Puente: Ann Lockhart

Counselor/Coordinator–Teacher Education Steve Bautista, Ed.D.

Counselor/Coordinator–Transfer Center: Leo Pastrana

Counselor/Coordinator–U-Link: Vacant

Counselor/Coordinator–Assessment: Maria Aguilar-Beltran

Counselor/Coordinator–CARE/ CalWORKs Programs: Maria Hanson

Counselor/Coordinator–Guardian Scholars: Sylvia Sanchez

Coordinator–EOPS Resource Center: Gabriela Sanchez

DISABILITY SERVICES

Associate Dean Krystle Taylor, Ed.D.

Alternative Media/Assistive Technology Services: Angela Tran

Deaf & Hard of Hearing Services: Ruth Rodriguez

Learning Disability Specialists: Mark Turner, Jill Kapil

FINANCIAL AID

Interim Associate Dean: Lorena Valencia

Student Placement: Denise Scolaro

HEALTH AND WELLNESS CENTER

Health Center Coordinator: Christine Cecil, Ed.D.

Mental Health Services: Jill Kapil, Psy.D.

INTERNATIONAL STUDENT OFFICE

Director: Tina Newton

Student Coordinator: Junko Ishikawa

Student Coordinator: Dao Nguyen

STUDENT AFFAIRS

Dean: Gregory Toya, Ed.D.

Director, Special Programs, Student Success: Tanisha L. Burrus

Coordinator, Student Outreach: Jazmine Navarro

Coordinator, Digital Dons: Victoria Castro

Director, Special Programs, TRiO SSSP & Upward Bound: Veronica Hurtado

Coordinator, TRiO Student Support Services: Omelina Garcia

Coordinator, TRiO Upward Bound: Liliana Rodriguez

Director, TRiO Academic Talent Search: Vacant

Coordinator, TRiO-Academic Talent Search: Elizabeth Lomeli

Director, Veterans Resource Center: Brenda S. Estrada

Specialist, Veterans Student Support Service: Vacant

Coordinator, Veterans Upward Bound: Mark Cannett

Coordinator, Veterans Certification: Dorothy Swayne

Student Program Specialist: Amy Vu

Director, Affinity Centers: Adrienne Arguijo

Coordinator, Asian Pacific Student Programs: Alexandria Pan

Coordinator, U2 (UMOJA/UJIMA) Scholars: Tia Brown

Coordinator, Undocu-Scholars: Rodrigo Ramirez

Coordinator, SACPRIDE!: Vacant

Coordinator, Rising Scholars: Vacant

STUDENT DEVELOPMENT

Dean: Jennifer De La Rosa, Ed.D.

Director, Thrive Center: John Nguyen

Director, Special Programs: David Lee

Coordinator, Advocacy & Accountability: Jordan Clark

Coordinator, Thrive Center: Amber Vasquez-Noda

SCHOOL OF CONTINUING EDUCATION

Vice President: James Kennedy, Ed.D.

Dean, Instruction/Student Services: Christine Kosko

Dean, Instruction/Student Services: Jesús Miranda, Ph.D.

Dean, Instruction/Student Services: Lorena Chavez

Associate Dean, Instruction/Student Services: Jennifer Hoeger

Associate Dean, Instruction/Student Services: Nicole Gallegos

Director, Special Programs: Susana Cardenas

Director, Special Programs: Maximiliano (Max) Rosas, Ed.D.

Director, Special Programs: Janet Cruz-Teposte, Ed.D.

Registrar: Pilar Traslavina

Adult Basic Education Chair: Adrianna Gonzalez, Ed.D.

Career Education Chair: Osiel Madrigal, Ed.D.

Counseling Co-Chairs: Alejandro Moreno, Patty Siguenza

English as a Second Language Chair: Jose Lopez Mercedes, Ed.D.

English as a Second Language Co-Chair: Cheryl Bucholtz-Magallon

High School Diploma Co-Chairs: Reza Mirbeik, Ed.D., John Tashima

High School Equivalency Faculty Lead: Juliana Saldivar

Older Adults Program Chair: Fleur Fong

ADMISSIONS

Admission Eligibility

You may attend Santa Ana College if you meet one of the conditions below:

You are a high school graduate

– OR –

You are a person in possession of a California high school proficiency certificate

– OR –

You are 18 years of age or older who can profit from instruction

– OR –

You are a high school student who would benefit from advanced scholastic or vocational work

– OR –

You are an international student with a valid Visa.

Application

New students and students returning after an absence of two consecutive semesters (not including summer) must file an application on-line for admission to the college.

To complete the online application, please log on to www.sac.edu and click on the "ENROLL" link on the tittle image of the page and then click on "APPLY NOW" to be redirected to the OpenCCCApply website. You need to log in or create a CCCApply account and complete your college application. Within 24 – 72 hours of submitting your application, you will receive an email with your Single Sign-On Login which will allow you to go online, change your password, and use all functions of the Self-Service student portal. If you are a returning student, your Single Sign-On Login and student ID will remain the same.

Application Dates

Online applications are available September 1, 2026 for Intersession/Spring/Summer/Fall 2027.

Click here to apply for Santa Ana College.

Residency

All students are classified as a resident of the State of California or non- resident when applying for admissions.

"Resident students" are those who have resided within California for at least one year prior to the residence determination date and have met the residency standards stipulated in Title 5 of the California Code of Regulations. The "residence determination date" is the day immediately preceding the opening day of instruction each semester or spring intersession / summer session during which the student proposes to attend.

"Nonresident students" are those who have not established California residence status in the state for at least one year prior to the residence determination date or those who hold certain non-immigrant visas which preclude them from establishing residence. Foreign students admitted to the United States under student visas are classified as nonresidents.

1. Persons who are under 18 years of age (minors) establish residence in accordance with above "resident" definition and the following:
   a. Married minors may establish their own residence.
   b. The residence of the parent with whom an unmarried minor child maintains a place of abode is the residence of the unmarried minor child. When the minor lives with neither parent, residence is that of the parent with whom the minor last resided. The minor may establish residence when both parents are deceased and a legal guardian has not been appointed.
   c. The residency of unmarried minors who have a parent living cannot be changed by their own acts, appointment of legal guardians, or relinquishment of a parent's right of control (EC 68062).
2. Persons who are 18 years of age or older (adults) establish residency in accordance with EC 68017 (see above). Adult residency begins after the 18th birthday.
3. A person's residency shall not be derived simply by being married. A man or a woman establishes his or her residency independent of his or her spouse. Many of the objective manifestations may be shared, but each may have some evidence of intent that is not shared.
4. If a student holds an Employment Authorization Card or a VISA including, but not limited to, any one of the following visas: B-1/B-2, C, 0-1/0-2, F- 1/F-2, H-2/H-3, J-1/J-2, M-1/M-2, O-2, P- 1/P-2/P-3/P-4, Q, TN/TO, the students must present documentation to the Admissions and Records Office for review to determine residency status.
5. **Exceptions:** The California Education Code and provisions in state law allow certain non-residents the opportunity to pay instate tuition. Eligibility criteria are noted below.
   Students who believe they are eligible for an exemption based on any one of the following criteria should consult the Office of Admissions and Records when they apply:
   a. Students who are members of the armed forces of the United States who are stationed in this state on active duty, except those assigned to California for educational purposes.
   b. Spouses and dependents (natural or adopted children or stepchildren) of active members of the armed forces.
   c. Students who are eligible as covered individuals as defined in the Veterans Access, Choice and Accountability Act of 2014 (VACA Act) who are taking advantage of their Chapter 31, 33, or 35 benefits.
   d. Parents who are federal civil service employees and have moved to California as a result of a military realignment action that involves the relocation of at least 100 employees. This exemption also applies to the natural or adopted children or stepchildren of such employees.
   e. Students who are under 20 years old and served by the California Foster Care System.
   f. Students who have completed at least three years of high school in California and have graduated from a California high school. Students must fill out and submit the "AB 540 Affidavit for Exemption" for consideration.
   g. Refugee applicants (Note: A refugee may be entitled to an immediate exemption from the nonresident tuition fee is upon entry to the United States, the refugee first settled in California pursuant to the provisions of Education Code section 68075.6. This exemption is only for the length of time he or she lives in this state up to the minimum time necessary to become a resident (one year and one day).
6. Specific residency problems and questions will be answered by the Admissions and Records Office.

AB 540

Any student, other than one with United States Citizenship and Immigration Services (USCIS) nonimmigrant visa status (see exception below for students who have been granted T or U visa status), who satisfies the four requirements (below), shall be exempt from paying nonresident tuition at the California Community Colleges, the University of California, and the California State University (all public colleges and universities in California).

Eligibility Requirements:

1. The student must have:
   - Attended a combination of California high school, adult school, and California Community College for the equivalent of three years or more.
     – or –
   - Attained credits earned in California from a California high school equivalent to three or more years of full-time high school course work and attended a combination of

elementary, middle and/or high schools in California for a total of three or more years.

2. The student must have:
   - Graduated from a California high school or attained the equivalent prior to the start of the term (for example, passing the GED or California High School Proficiency exam).
     – or –
   - Completed an associate degree from a California Community College.
     – or –
     Completed the minimum requirements at a California Community College for transfer to the California State University or the University of California.

3. The student must register as an entering student at, or current enrollment at, an accredited institution of higher education in California.

4. The student must file an affidavit with the college or university stating that if the student is a non-citizen without current or valid immigration status, the student has filed an application to legalize immigration status or will file an application as soon as the student is eligible to do so.

Additional Information:

- Students who are nonimmigrants who are victims of trafficking, domestic violence, and other serious crimes who have been granted T or U visa status, under Title 8 of the United States Code, sections 1101(a)(15)(T) or (U) are eligible for this exemption.
- Students who are nonimmigrants, other than those with T or U visa status as noted above, [for example, those who hold F (student) visas, B (visitor) visas, etc.] are not eligible for this exemption.
- A year's equivalence at a California Community College is a minimum of 24 semester units of credit or 36 quarter units of credit. For noncredit courses, a year's attendance is a minimum of 420 hours, 210 hours for a semester, and 140 hours a quarter.
- The accumulation of credit and/or non-credit in any academic year shall be calculated in reference to a year's equivalence. Partial completion in an academic year is allowed. (Example: 12 units of credit courses in an academic year is equal to a semester for purposes of determining eligibility.)
- There is no cap on the number of years of attendance in credit courses at a California Community College counted towards the attendance requirements.
- The student must file an exemption request including a signed affidavit with the college that indicates the student has met all applicable conditions described above. Student information obtained in this process is strictly confidential unless disclosure is required under law.
- Returning applicants who have previously been approved as exempt under AB 540 at Santa Ana College will automatically have a reinstated exemption status.
- Students eligible for this exemption who are transferring to another California public college or university must submit a new request (and documentation if required) to each college under consideration.
- Nonresident students meeting the criteria will be exempted from the payment of nonresident tuition, but they will not be classified as California residents. They continue to be "nonresidents".
- The California Dream Act extends Cal Grant A and B Entitlement awards, Cal Grant C awards, the California Promise Grant (formerly known as the BOG fee waiver), Chaffee grants, and institutional financial aid to students that meet these criteria as well as the applicable criteria for eligibility for specific types of financial aid.
- AB540 does not provide federal student financial aid eligibility for undocumented students. These students remain ineligible for federal financial aid.

International Student Admissions & Enrollment

International students are eligible for admission to the college. Eligibility requirements are listed here: Admission Information (sac.edu).

International students may apply for admission online at International Application for Admission to College (opencccapply.net), pay the application fee, and submit required documentation for admission. Admitted International students will receive a letter of acceptance and an I-20 with instructions on how to apply for the F-1 student visa.

Application deadlines are July 15 for the Fall semester, December 15 for the Spring semester, and April 15 for the Summer session. It is recommended to apply for admission to the college early enough to allow sufficient time for visa applications to be processed, which is roughly 4-6 months prior to the desired semester start date.

Admitted international students are required to attend the International Student Program Orientation scheduled for the first semester of attendance, and to maintain a full-time enrollment of 12 credits per semester during their duration of study at the college. International students must comply with additional immigration regulations regarding the maintenance of legal status as an F-1 student. Support and guidance for immigration-related issues is provided by the International Student Program Office, located in JSC-208.

Find out more about the International Student Program online at www.sac.edu/ISP or call (714) 564-6047 for any questions regarding the admissions or visa application process.

Admission Policy of International Students on F-1 Visa Status

1. The international student must submit a complete, official academic transcript of all high school and previous college work attempted. Transcripts must be officially translated into English, bear the school seal, and be signed by the registrar or another appropriate official. Applicants are considered for admission only if their course grades are above average (C+ or higher).
2. International students must have sufficient knowledge of English to enable them to profit from instruction at the college level. Adequacy of English proficiency is determined by a satisfactory score (450+) on the Test of English as a Foreign Language (TOEFL), administered worldwide by the Educational Testing Service, Box 899, Princeton, New Jersey 05840. Santa Ana College's TOEFL DI Code is D638. Equivalent test scores or successful completion of at least one year of English-taught coursework may be considered.
3. International students must be at least 18 years of age and they must provide proof of high school completion.
4. Students on the F-1 Visa must present evidence that they have financial resources to support themselves during the period of attendance at the college Approximate annual costs for a student enrolled in 12 units each semester are: a nonresident tuition fee of $9,888; health insurance, $1,842; textbooks and supplies, $800; living expenses, $12,000, enrollment fee $1,128, other fees up to $244 for a total of $25,902. This figure does not include travel costs or summer school tuition.
5. Personal Statement (optional)
6. The colleges in the Rancho Santiago Community College District do not provide housing for their students. The International Student Program Office will provide information on housing options.
7. International students are expected to enroll in English or English as a Second Language/English for Multi-Lingual students during their first semester.

International Transcripts - Evaluation Practices

Santa Ana College may grant credit for college coursework completed outside of the United States. Students must submit their records to a Santa Ana College recognized evaluating agency in order to obtain an equivalency/evaluation report (contact the Admissions Office, International Student Programs Office, or Counseling Division for listings of evaluating agencies). All transcripts should be translated into English. Once the Admissions Office at Santa Ana College receives the equivalency/evaluation report, an official evaluation will be conducted to determine course applicability.

The following guidelines apply to coursework completed outside of the United States.

1. There is no transfer credit limit a student may be granted for coursework completed outside of the United States. However, Santa Ana College may only grant credit for lower division classes.
2. College credit may be granted toward Santa Ana College baccalaureate degree, associate degree and certificate programs.
3. Coursework may not be used to fulfill the following General Education Requirements: English Composition, American Institutions, Reading, and Oral Communication. Courses intended to fulfill major requirements must be submitted to the major department for approval.
4. Coursework may not be used to fulfill General Education Certification requirements for CSU-GE, IGETC (with the exception of Area 6- Languages Other Than English), or Cal-GETC.
5. Santa Ana College may not determine course transferability to other colleges and universities.
6. Students who have completed coursework outside of the United States are encouraged to meet with a counselor to determine course and program applicability.

Assembly Bill AB 705: The Law and Your Rights

The Governor of California signed the bill, AB 705, on October 13, 2017 to take effect on January 1, 2018. This bill changes the way in which California Community Colleges place students into English, Math, and English for Multilingual Students courses. This is based on statistical evidence that U.S. high school coursework, high school grades and high school grade point average are better indicators of appropriate placement than the previously used standardized tests.

Under AB 705, we are also required to use multiple measures, which can include other academic experiences, work history, military training, specialized licenses, certificates, and a Guided Self Placement. Students that do not have access to U.S. High School transcripts can complete the Guided Self Placement, please visit the Assessment Center website at sac.edu/guidedselfplacement for additional information. Based on the passages of Assembly Bill 1705, Santa Ana College does not offer the following basic skills courses: MATH N06, N48, 082, 083 and 084. **If any of these MATH courses were listed on an Educational Plan or you have other questions, please contact the Assessment Center at** assessment_center@sac.edu **or 714-564-6148 and request to speak with Counselor/Coordinator.**

Placement data disaggregated by race and ethnicity is available for all students to access by visiting the qrgo.page.link/ETG9y link.

New Student Registration Orientation

Registration Orientation is done in a small group (up to 20 students) and is led by a counselor. During the first 40 minutes students will be provided with an overview of Santa Ana College, the English and Math placement process, cost, financial aid information, and the registration process.

Students will also have the opportunity to briefly meet one-on-one with a counseling faculty for academic advisement and to develop a two- semester abbreviated education plan. Students will be seen using the following order:

- Students planning to enroll just for one semester.
- New students that have never attended SAC or any other Community College or University.
- Students that have taken classes at other Community Colleges or Universities. We recommend students bring a copy of their college and/or university transcripts.

What services could I receive during the New Student Registration Orientation?

- Discuss your placement options based on your Career and Academic Pathway.
- Get help selection your Career and Academic Pathway (major) and clarify your education goals.
- Learn about the various options SAC has to assist you in paying for your classes
- Choose the best courses for you.
- Receive assistance in registering for classes.

Questions? Contact the Assessment Center at: (714) 564-6148 or visit sac.edu/assessment.

Assessment via College Application?

Students who have graduated from a U. S . high school will receive the placement levels based upon high school performance information that is provided on the application for admission. The new college application (OpenCCC) will identify English and math courses that students can enroll in using prior high school history. Students will report cumulative, unweighted high school GPA, and courses completed.

What if English is not my first language?

We offer English for Multilingual Students (EMLS) courses. If English is not your first language and you want to develop your reading, writing, grammar, and speaking skills you should:

STEP 1: Complete Guided Self-Placement online by going to the Assessment Center webpage sac.edu/guidedselfplacement

STEP 2: Speak with a Counselor to determine which course is the appropriate option for you based on your academic goal.

You can contact the Counseling Center at 714-564-6103 or stop by the Administration Building, Room S-112.

REGISTRATION

Continuing Students

A continuing student is a student who has not missed two consecutive full semesters (Spring and Fall). The student may check online via Self-Service for a registration date and time and may register any time thereafter until the day prior to the start of the course. Students are encouraged to see a counselor each semester in order to review their academic progress before completing registration.

New and Returning Students

Registration information is emailed within 1–3 business days after application submission.

Priority Registration

Santa Ana College will provide priority registration for students who enroll in a community college for the purpose of degree or certificate attainment, transfer to a four-year college or university, or career advancement. These enrollment priorities were established Fall Semester, 2013.

- Students who have completed orientation, assessment, and developed student education plans and are eligible as a member of the armed forces or a veteran pursuant to Education Code section 66025.8 or as a foster youth or former foster youth pursuant to Education Code section 66025.9.
- Students who have completed orientation, assessment, and developed student education plans and are eligible and receiving services through Disabled Student Programs and Services or Extended Opportunity Programs and Services.
- Student parent/guardian of minors.
- CARE (Cooperative Agencies Resources for Education)
- International students
- DSPS Notetakers
- Puente
- Rising Scholars
- U2 Scholars
- CalWORKs students.
- Athletes who have completed orientation, assessment, and developed education plans.
- Online Degree Pathways students.
- Honors students (except CAP Students) and ASG Leaders.
- First time students participating in the Early Decision/Early Welcome programs who have completed orientation, assessment, and developed student education plans.
- Continuing students, not on academic or progress probation for two consecutive terms as defined in these policies and procedures.
- New matriculating students with educational plan.
- New non-matriculating students, Probationary students (academic and progress), & students with 100+ degree applicable units.
- Career Advance Placement (CAP) – concurrently enrolled high school students.

Late Registration

Instructor signature or online add authorization is required on all adds after the start of each course through the end of the designated add period.

Fees, Tuition, and Expenses

- Enrollment Fee: $46 per unit
- Health Fee: $23 per semester ($20 summer/intersession)
- Parking Permit: $30 Fall/Spring; $10 Summer/Intersession
- Student Life Fee: $10 optional
- Student Representation Fee: $2 optional
- Transportation Fee: $6.75 full-time; $5.75 part-time
- Nonresident Tuition: $435 per unit in addition to enrollment fee
- Bachelor Course Enrollment Fee $84.00 per unit in addition to enrollment

All fees are subject to change based on state legislation.

Non-resident Tuition

$435 per unit in addition to the per enrollment fee for out of state residents and for students who are a citizen of a foreign country. Refer residency questions to the Admissions Office.

Visa or MasterCard, American Express and Discover are accepted for all fees. All tuition, fees, and expenses are subject to change with new state legislation.

Refund of Tuition and Enrollment Fees

Students are eligible for full refunds of fees provided they have officially dropped from classes prior to the refund deadline or their classes have been canceled by the college. There is no refund for classes added after the refund deadline date. Please refer to section details via Self-Service for refund deadline.

Students who withdraw from class(es) through the first two weeks of instruction or 10% of the class may request a 100% refund. Students withdrawing after the second week of instruction or after 10% of the class are not eligible for a refund.

Refunds are based upon the date the student withdraws from the course online. No refund will be processed until assurance has been given that any check in payment for tuition has been cleared.

Enrollment Fee refunds are granted in accordance with established provisions of the community college education code. Contact the Student Business Office or refer to the current class schedule for details of the refund policy and procedures.

There is no refund for variable units not completed.

Textbooks and Supplies

Textbooks, supplies, and athletic equipment must be purchased by the student. Special fees required for certain courses are indicated in the class schedule. Fees and tuition are subject to change by the state legislature, Community College Board of Governors, or District Board of Trustees.

Loss of Registration Priority

The state of California has adopted Title 5 Regulation 58108 (j), establishing enrollment priorities for students attending California Community Colleges. The regulation will affect the date/time in which students are allowed to register for classes. This policy was established Fall Semester, 2013.

- Continuing students at Santa Ana College will lose their enrollment priority for the following reasons:
- Student has attempted 12 units and their RSCCD cumulative GPA has fallen below 2 .0 for two consecutive semesters.
- Student has attempted 12 units and the percentage of all coursework at SAC/SCC has an entry of “W,” “I,” “NP,” and “NC” which reaches or exceeds fifty percent (50%) § 55031.

Student Conduct

Students are expected to comply with Board Policies and Standards of Student Conduct and to maintain academic honesty.

Schedule of Classes

The Schedule of Classes is prepared each semester and is available online. It includes general information, courses offered, hours, location, and instructor names.

Student Photo Identification Card

All Santa Ana College students are provided with a photo identification card as part of the college registration and matriculation process. The card will be required for use of the college Library, Health & Wellness Center, academic support services, and more beginning January 2017. Photo ID is located in the Student Business Office in the Johnson Student Center, JSC 202.

Full-Time – Part-Time Definition

Full-time students (Fall and Spring) = 12 or more units

Part-time students (Fall and Spring) = Less than 12 units

Full-time students (Summer) = 6 units

Part-time students (Summer) = Less than 6 units

Students receiving social security benefits or satisfying the requirements of insurance companies must be carrying 12 or more units to be eligible. **Veterans Administration eligibility uses the following definition:**

Full-time = 12 or more units

Three-fourth benefits = 9 through 11 units

One-half benefits = 6 through 8 units

Any change in veteran status, whether it be increase, decrease, or complete withdrawal, must be brought to the attention of the Veteran's Office immediately. Housing eligibility must be more than half time status.

Classification of Students

Special Admit / DUAL Enrollment Student: one who has not graduated from high school.

Freshman: one who has completed 0-29 units.

Sophomore: one who has completed 30 or more units.

Graduate: one who has received an associate degree or higher.

Summer Session

The colleges offer a four-, six- and eight-week summer program of morning and evening courses. Summer courses can remove high school or college deficiencies and advance the students toward an educational goal.

Weekend College

Classes are offered on Friday evenings and Saturdays and Sundays so that students can earn units applicable to the associate degree, acquire occupational skills, earn units for transfer to four-year schools, or gain personal enrichment.

Special Admit Students (formerly known as CAP)

K-12 students wanting to take college credit courses are considered Special Admit (formerly known as CAP) students. This is a unique opportunity that is geared toward educational enrichment, not remediation.

1. Student must completely fill out the SAC Special Admit form and have all the appropriate signatures of parent/guardian and school principal/counselor.
2. Final approval rests with Santa Ana College.
3. It is recommended for students who plan to take English or Math courses to meet with a Counselor to review high school transcripts for appropriate course recommendation. For additional information and to find out about drop-in counseling services, contact the Assessment Center at (714) 564-6148.
4. The Enrollment Fee will be waived for Special Admit students enrolled in fewer than 12 units during the semester. Special Admit students enrolled in coordinated College and Career Access Pathways (CCAP) sections will have Enrollment Fees waived when enrolled in 15 units or less during the fall and spring semesters. Students who exceed the applicable unit limit will be charged the current Enrollment Fee for all enrolled units.
5. RSCCD shall charge a tuition fee to nonresident students who hold an F1 or F2 visa. F1/F2 students are not exempt.
6. The parent or guardian signature grants permission for their son/ daughter to enroll in college courses at Santa Ana College. The parent or guardian acknowledges that Santa Ana College is an adult environment and assumes responsibility for their young student's conduct while on campus. Additionally, in compliance with federal privacy law, the parent or guardian will need their student's written permission to gain access to any non-directory information.

Special Admit students will be receiving college credit for this class whether or not the units are used toward high school graduation. This means a college transcript is generated listing the class or classes and the grades earned. This establishes a permanent record with the college. Grades recorded for these classes are permanent and create a college transcript. The transcript information is confidential and is only accessible by the student. All college information is confidential and not accessible to parents or guardians.

Special Admit students are required to attend class until the end of the semester unless the student decides to drop the class online prior to the deadline identified in the schedule of classes. The drop deadline is set when 75% of the course has been completed. The student will receive a "W" when the student drops after the first two weeks of a full semester or after the first week of the summer session. Please read class section details listed in Self Service for important refund and drop deadlines.

Special Admit students must attend all classes. Material covered in college courses is at a faster pace than high school classes. Expect to spend twice as much time outside of class as in class completing assignments and homework.

Santa Ana College maintains open campuses. Students function under Standards of Student Conduct (Board Policy 5201), and there is an expectation that adult behavior will be displayed by students on campus. Academic honesty is a requirement, and sanctions are identified in course overviews, which are distributed by faculty on the first day of class. Students are responsible for their own transportation and materials on campus.

Special Admit students by law do not have priority registration. Under the California Code of Regulations, Title 5, Section 58108, a district may establish a priority registration system which would accord adult students higher registration priority.

Prerequisites and Corequisites

Prerequisites require prior preparation for enrollment. Corequisites require concurrent enrollment. Students may challenge prerequisites through the established process.

Student Classification

- Freshman: 0–29 units
- Sophomore: 30+ units
- Graduate: Associate degree or higher
- Special Admit: K-12 student

Prerequisites, Corequisites and Recommended Preparation for Courses

The colleges of the Rancho Santiago Community College District have adopted a policy on course prerequisites, corequisites, and advisories in order to provide for the establishing, reviewing, and challenging of prerequisites, corequisites on recommended preparation, and certain limitations on enrollment in a manner consistent with law and good practice. The policy, which is specified for implementation as an administrative regulation, is established pursuant to regulations contained in Article 2.5 (commencing with Section 55200) of Sub Chapter 1 of Chapter 6 of Title 5 of the California Code of Regulations. The RSCCD Board of Trustees recognizes that if these prerequisites, corequisites, and limitations are established unnecessarily or inappropriately, they constitute unjustifiable obstacles to student access and success and, therefore, the Board

adopts this policy which calls for caution and careful scrutiny in establishing them. Nonetheless, the board also recognizes that it is as important to have prerequisites in place where they are a vital factor in maintaining academic standards and in assuring the health and safety of students as it is to avoid establishing prerequisites where they are not needed. For these reasons, the Board has sought to establish a policy that fosters the appropriate balance between these two concerns.

Important Definitions

If a student should see the words **Prerequisite** or **Corequisite** in the catalog, it is important to understand the definitions of these terms. Note that prerequisites and corequisites can be challenged. See Prerequisite Challenge Policy, for more information.

- **Prerequisite** indicates a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite represents a set of skills or a body of knowledge that a student must possess prior to enrollment and without which the student is highly unlikely to succeed in the course or program. Students will not be permitted to enroll in such courses and programs without the appropriate prerequisite.
- **Corequisite** indicates a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. A corequisite represents a set of skills or a body of knowledge that a student must acquire through concurrent enrollment in another course and without which the student is highly unlikely to succeed. Students must concurrently enroll in the corequisite course.
- **Recommended Preparation** indicates that while a course is not required prior to enrollment, it is highly advised in order to strengthen the likelihood of success in subsequent courses.

Prerequisite Challenge Policy and Procedures Course Prerequisite Policy

Prerequisite means the preparation or previous course work considered necessary for success in the course. The College requires students to complete prerequisites as pre-enrollment preparation. Prerequisites which are listed in the College Catalog include:

- Courses for which specific prerequisites have been established;
- Sequential course work in a degree-applicable program, and;
- Courses in which an equivalent prerequisite exists at a four-year transfer college or university.

Questions about prerequisites are best resolved with a counselor prior to the first day of class.

Prerequisite Challenge Process

A prerequisite challenge requires written documentation, explanation of alternative course work, background or abilities which adequately prepare the student for the course. A Prerequisite Challenge Form can be obtained from the appropriate instructional office. Prerequisites may be challenged for one or more of the following reasons:

1. The college has not developed the prerequisite according to its established procedures or has not developed the prerequisite in accord with existing statutes.
2. The prerequisite is discriminatory or is being applied in a discriminatory fashion.
3. The college has not made the prerequisite course reasonably available.
4. The student has documented knowledge and abilities equivalent to those specified in the prerequisite course.

The challenge will be reviewed by a committee consisting of the dean, or designee, department chair, or designee, and one department or division representative or designee.

If space is available in a course when a student files a challenge to the prerequisite or corequisite, the district shall reserve a seat for the student and resolve the challenge in a timely manner. If no space is available in the course when a challenge is filed, the challenge shall be resolved prior to the beginning or registration for the next term and, if the challenge is upheld, the student shall be permitted to enroll if space is available when the student registers for that subsequent term.

NOTE: Students who are challenging a course which is a requirement for a degree or certificate may wish to use the Credit by Examination process to receive credit for the challenged course.

Specific regulations and procedures relating to course prerequisites, corequisites, and advisories are on file in the office of the Vice President of Academic Affairs at Santa Ana College.

Multiple and Overlapping Enrollments (BP4226)

Students may only enroll in two or more sections of the same credit course during the same term if the length of the course provides that the student is not enrolled in more than one section at any given time.

Students may only enroll in two or more courses where the meeting times overlap under the conditions specified in Title 5, Section 55007.

Drop for Suspected Fraudulent Enrollment Policy:

To protect our college and student resources, Santa Ana College may flag accounts showing signs of suspected fraudulent activity. If your account is identified as a suspected fraud enrollment, you will receive an email from Admissions & Records and must verify your identity within 5 calendar days by submitting a valid government-issued photo ID either in person or through our online Identity Verification Form. If you fail to respond by the deadline, your classes may be dropped, and your access to Financial Aid, Self-Service, and Canvas will be revoked. Reinstatement may be possible but is not guaranteed and depends on course availability and college deadlines. For questions, contact the Admissions & Records Office.

IMPORTANT NOTE: Registration priority shall be lost at the first registration opportunity after a student is placed on academic or progress probation or any combination thereof for two consecutive terms.

Student has earned 100 or more degree applicable units from Santa Ana and Santiago Canyon Colleges.

Students who have SAC as their home campus can submit a petition for appeal to the Admissions Office at SAC for the following reasons:

1. there were extenuating circumstances (verified cases of accident, illness) and can provide documentation.
2. students with disabilities who applied for but did not receive accommodation in a timely manner.
3. can demonstrate SIGNIFICANT academic improvement in a subsequent term.

Students may also regain registration priority by sitting out two consecutive semesters.

Students who have earned 100 or more degree applicable units can appeal if they have declared a high unit major and are currently working toward a degree.

Forms for these appeals can be obtained in Admissions and Records or downloaded from the college website.

Drop for Non-Payment

Drop for Non-payment Policy: Enrollment fees must be paid in full within 3 days of registration (including weekends and holidays) or unpaid classes may be dropped and released to other students. The day you register is counted as day 1.

In addition to the 3-day non-payment drop policy, there is a final outstanding balance drop date. All fees must be paid in full by the Friday before the start of the semester. No balance will be carried over into the start of the semester. It is the student's responsibility to drop by the refund deadline to avoid any fees for late adds.

Withholding of Student Records

Students or former students who have been provided with written notice that they have failed to pay a proper financial obligation shall have registration privileges withheld.

FINANCIAL AID

Overview

Financial aid assists students with education related expenses who may not otherwise be able to attend college. While students and families are primarily responsible for educational costs, federal and state programs provide assistance to eligible students with documented financial need.

Students must that complete the Free Application for Federal Student Aid (FAFSA), is available each October for the following academic year. AB 540 and DACA students must complete the California Dream Act Application.

To qualify using the FAFSA, students must be enrolled in an eligible degree, transfer, or certificate program; maintain satisfactory academic progress; demonstrate financial need where required; be a U.S. citizen or eligible non-citizen; not be in default on federal loans; and possess a high school diploma or equivalent (students may be exempt from this requirement if enrolled in an Eligible Career Pathway Program with the College).

AB 540 and DACA students must complete the California Dream Act Application (CADAA).

To qualify using the CADAA, students must be enrolled in an eligible degree, transfer, or certificate program; maintain satisfactory academic progress; demonstrate financial need; possess a high school diploma or equivalent; and meet the College's CA non-resident exemption requirements.

For assistance, contact the Financial Aid Office at 714-564-6242 or visit sac.edu/finaid.

Withdrawals and Repayment of Financial Aid

Students who withdraw from or are dropped from all classes before completing more than 60 percent of the enrollment period may be required to return a portion of their federal financial aid under Return of Title IV regulations.

Students receiving more aid than earned will be billed for the overpayment.

- Avoid withdrawing from all classes
- Successfully complete at least one course each semester
- Repay any unearned financial aid promptly to regain eligibility

Federal Grant Programs

Federal Pell Grant

A need-based federal grant that does not require repayment. Award amounts are based on cost of attendance, Student Aid Index, and enrollment intensity.

Federal Supplemental Educational Opportunity Grant (FSEOG)

A need-based federal grant for undergraduates with exceptional financial need. Priority is given to Pell Grant recipients with a -1500 Student Aid Index. Award amount is up to $400 per academic year.

Federal Work-Study (FWS)

Provides part-time employment opportunities for students with financial need. Earnings are paid through allocated federal funds.

Priority Deadlines

FSEOG and FWS funds are limited and awarded to eligible students who meet the annual priority deadline, typically in July.

Federal Direct Loan Programs

Direct Subsidized Loan

A need-based loan where the federal government pays interest while the student is enrolled at least half-time and during the six-month grace period.

Annual borrowing limits:

- Up to $2,625 for preparatory coursework
- Up to $3,500 for students with fewer than 30 units
- Up to $4,500 for students with 30 or more units
- Up to $5,500 for students enrolled in a bachelor's degree program

Direct Unsubsidized Loan

Available to students without demonstrated financial need. Interest accrues upon disbursement. Combined subsidized and unsubsidized amounts may not exceed federal limits.

Annual borrowing limits:

- Up to $2,000 for dependent students
- Up to $6,000 for independent students
- Up to $7,000 for independent students enrolled in a bachelor's degree program

California State Financial Aid Programs

California College Promise Grant (CCPG)

Waives enrollment fees for eligible California residents and AB 540 students.

Students may qualify by:

- Demonstrating financial need through the FAFSA or CA Dream Act Application
- Receiving qualifying public assistance benefits
- Meeting state income standards based on family size

Students placed on academic or progress probation for two consecutive semesters may lose CCPG eligibility. Appeals may be submitted for documented extenuating circumstances.

Cal Grants

Students must meet the March 2 deadline using the FAFSA or the CA Dream Act Application and submit GPA verification. CA Community College students are allowed an additional deadline of September 2 to qualify.

Cal Grant A

Assists low- to middle-income students with upper division unit fees for bachelor's degree programs, and education related expenses for students with dependent children or current or former foster youth under the age of 26.

Cal Grant B

Provides low-income students with assistance for, books, supplies, and other education related expenses, including upper division unit fees for bachelor's degree programs for students with substantial financial need.

Cal Grant C

Supports vocational students with books and supplies for Occupational/Technical training programs that are at least 4 months long and lead to a certificate.

Chafee Grant

Provides up to $5,000 annually for eligible former foster youth, and have not reached their 26th birthday. Application requires a FAFSA or CA Dream Act Application, and a separate Chafee application.

Middle Class Scholarship (MCS)

- Provides low-to middle-income students, with a scholarship to attend a California Community College Bachelor's degree program. The FAFSA or CADAA must be submitted by the MCS deadline which is typically March 2, but could change for some academic years.

Dream Act Service Incentive Grant (DSIG)

- Provides financial assistance to eligible CADAA students who complete community or volunteer service at the college, or a qualifying institution.
- CADAA applicants must also be Cal Grant B eligible to apply
- Award amount up to $4,500 per academic year ($2,250 per semester).
- Complete 300 service hours (150 per semester) between July 1 and June 30

Student Success Completion Grant (SSCG)

Supports full-time community college students in completing their degrees or certificates.

- Must be awarded a Cal Grant B or C
- Annual award of up to $2,596 per year for 12 - 14.99 units per semester, or up to $8,000 if you take 15+ units per semester. Former or current foster youth receive annual award of up to $10,500 per year for a minimum of 12 units per semester. Disability Support Program & Services (DSPS) students: Enrolled in 9+ units with an approved Academic Accommodation Plan may receive $1,298 per term.
- Cal Grant B students who are enrolled in a bachelor's degree program do not qualify.

Solomon Amendment

Federal law permits release of directory information to military recruiters as required for institutions receiving federal financial aid funding.

STUDENT RESOURCES

A

Academic Computing Center

The Santa Ana College Academic Computing Center (ACC) is located at Santa Ana College in room A-106. The ACC serves students currently registered at the college who are doing college related projects. These projects can be completed by accessing an ample variety of application software. The software packages run on IBM compatible computers or Macintosh computers.

Location: A-106

Phone: 714-564-6731

Email: Quijada_Jazmin@sac.edu

Website: sac.edu/division/business/acc

Academic Talent Search

The Santa Ana College Academic Talent Search Program is funded through the U.S. Department of Education. The goal of the program is to encourage and assist low-income students who have the potential to be the first generation in their family to receive a post-secondary education. We offer services to four high schools and four intermediate schools in the Santa Ana Unified School District. The schools we serve include Century High School, Saddleback High School, Santa Ana High School, and Valley High School, Heninger Elementary, Sierra Preparatory Academy, Willard Intermediate and Lathrop Intermediate.

Location: Johnson Student Center JSC-209

Phone: 714-564-6182

Email: hurtado_veronica@sac.edu

Website: sac.edu/studentservices/sssp/ats/

Admissions & Records Office

The Admissions and Records Office at Santa Ana College is dedicated to supporting students throughout their academic journey. We provide essential services from application to graduation, ensuring a seamless experience for all students. We are here to assist you in-person, via live chat, by phone or over email.

Location: S-101

Phone: 714-564-6017

Email: admissions@sac.edu

Website: sac.edu/admissions

Asian Pacific Student Program and Center

The Asian Pacific Student Program (APSP) and Center empowers Asian, Pacific Islander, and Desi American (APIDA) students by fostering connections to their cultural roots and communities. We offer immersive cultural and educational experiences to help students thrive academically, personally, and as community advocates. Our programs encompass academic counseling, wellness support, financial guidance, career readiness, and enriching cultural events.

Visit our APSP Center, located in VL-107, for a welcoming space where you can connect with cultural resources, find community, and participate in events that celebrate the richness of APIDA cultures. Whether you're seeking academic support, personal growth, or a sense of belonging, APSP is here to support your journey at Santa Ana College.

No applications or appointments necessary—drop by to relax in our lounge and join a welcoming community where you belong.

Location: VL-107

Phone: 714- 564-6369

Email: apsp@sac.edu

Website: www.sac.edu/apsp

Assessment Center

The Assessment Center is located on the second floor of the Santa Ana College library, room 223. We provide the following services:

English, Reading, English for Multilingual Students, and Math Placement Recommendations using multiple measures

- Registration Orientations
- Proctor make-up testing for all SAC classes
- Test accommodation services for students with disabilities
- Facilitate career assessments (i.e . Super Strong & MBTI)
- Placement for Chemistry
- Guided Self-Placement
- Dual Enrollment Counseling

Location: L-223

Phone: 714-564-6148

Email: Assessment_Center@sac.edu

Website: sac.edu/studentservices/assessment/

Associated Student Government (ASG)

The Associated Student Government (ASG) serves as the official voice of Santa Ana College students, advocating for student needs and representing student interests at the college and distict level. As a key component of Student Life, ASG promotes civic engagement and leadership by encouraging students to participate in shared governance, campus initiatives, and decision-making processes that impact the student experience.

Through elected and appointed positions, students have the opportunity to develop leadership skills such as communication, collaboration, and ethical decision-making while making a meaningful impact on campus. Students interested in leadership, advocacy, and service are encouraged to get involved.

Location: JSC 103

Phone: 714-564-6208

Email: student_activities@sac.edu

Website: sac.edu/studentservices/studentlife/asg

B

Basic Needs Resources - Fainbarg Chase Thrive Center

The Fainbarg Chase Thrive Center, a Basic Rights Program, provides holistic resources that alleviate challenges related to basic needs, advocating for this cause to create a just and inclusive environment where every student not only just survive, but THRIVE. Our programming is designed to address every element of basic needs insecurity on campus, which includes the following:

- Thrive Center Food Pantry
- CalFresh Outreach Program
- Housing Resource Navigation
- Basic Needs Emergency Grant
- Hygiene Support
- Diaper Program
- Professional Clothing... and more!

Location: VL-110

Phone: 714- 564-6458

Email: thrivecenter@sac.edu

Website: sac.edu/thrivecenter

C

CalWORKs

- The California Work Opportunity and Responsibility to Kids (CalWORKs) program is funded by the state to work with students who are approved by County Social Services to complete an educational program that helps them transition from public assistance to employment and economic self-sufficiency. SAC's CalWORKs program offers the following types of assistance to eligible students:
  - Priority Registration
  - Academic counseling and case management
  - Monthly self-development workshops
  - Program benefit cards
  - School supplies
  - Submission of required Social Service documents
  - Individualized math tutoring
  - Job development and placement (CalWORKs work-study)
  - Referrals to campus and community resources

Location: Johnson Student Center JSC 212

Phone: 714-564-6232

Email: calworks@sac.edu

Website: sac.edu/CalWORKs

Campus Information

The Student Handbook is an official student guide which provides a reference on how to take full advantage of the College and its services and also answers questions students may have about Student Life. Handbooks are available online at under the Student Life page.

Campus Store

The Campus Store at Santa Ana College provides a complete selection of books, supplies, and specialty items.

Location: Johnson Student Center

Phone: 714-564-6434

Career Center

The Career Center supports all Santa Ana College students on their Career Journey – through exploration, preparation, connection, and programming utilizing the strengths, resources, and services of the SAC campus and regional community. Career Center services and activities include workshops, 1:1 support, and counseling in career exploration, employment preparation, and work-based/experiential learning opportunities.

Location: L-222 (Library Building 2nd Flor)

Phone: 714-564-6254

Email: CareerCTECenter@sac.edu

Website: sac.edu/studentservices/careercenter

Career Education and Workforce Development High School Articulation - CTE Transitions

High school articulation is a process by which high school CTE courses are deemed equivalent to college CTE courses through a formal agreement. College credit can be awarded to students through Credit by Exam if they successfully complete an articulated course with a letter grade of A or B both semesters and are enrolled at SAC or SCC during the same semester they are petitioning for credit. High school articulation prevents students from needing to repeat coursework in college and facilitates a smooth transition between high school/college/work.

Students wanting to claim credit for articulated course(s) need to visit our website for a full list of active articulation agreements and forms needed to process their course credit. All forms should be emailed to the Student Services Coordinator for Articulation and Dual Enrollment.

Location: S-112

Phone: 714-564-6936

Email: villalpando_rosa@sac.edu

Website: sac.edu/studentservices/counseling/articulation

Center for Teacher Education

The Center for Teacher Education (CFTE) is a resource center for students interested in pursuing careers in education including teachers, librarians, counselors, and other school personnel, as well as students in the Future Educators Career & Academic Pathway. CFTE offers information, specialized counseling and academic advisement, and support services such as transfer assistance and career preparation, a textbook loan program, field trips and university campus visits, conferences and workshops, and opportunities to network with other

future educators. Contact us to learn more about our activities and services, get your questions answered about becoming an educator, or make a counseling appointment to develop an education plan.

Location: S-110

Phone: 714-564-6352

Email: teacher_ed@sac.edu

Website: sac.edu/studentservices/counseling/transfer_center/cfte

Child Development Centers

Rancho Santiago Community College District maintains six child development centers to serve students' needs for childcare and/or train students seeking a career in Human Development. Students' children between the ages of 6 months and five years are eligible to attend the educational environment provided. Fees are based on a sliding scale according to the parents' income. Students eligible for the CalWORKs program can receive child care services both on and off campus. Contact individual centers for hours of operation and information.

Centennial Center

(2.5 to 5 years old)

2900 W. Edinger, Santa Ana, 714-564-5090

Santa Ana College Infant/Toddler/Preschool Center

(6 months to 5 years old)

1720 W. 17th St., Santa Ana, 714-564-6894

Santa Ana College Child Development - Center East Campus

(2.9 to 5 years old)

1510 N. Parton St., Santa Ana, 714-564-6952

Clubs, Organizations, and Inter-Club Council (ICC)

Santa Ana College offers a wide range of student clubs and organizations that reflect diverse academic, cultural, social, and professional interests. As part of Student Life, these groups provide opportunities for students to build community, explore their passions, and enhance their college experience outside the classroom.

The Inter-Club Council (ICC) serves as the coordinating body for all recognized student clubs, supporting collaboration, communication, and active participation in campus life. Through involvement in clubs and ICC, students develop leadership, teamwork, and organizational skills while building meaningful connections with peers.

Students are encouraged to join an existing club OR start a new club as a way to engage with the campus community and create a sense of belonging.

Location: JSC 103

Phone: 714-564-6217

Email: clubs_orgs@sac.edu

Website: sac.edu/studentservices/studentlife/icc

College Advancement/Foundation

The Santa Ana College Foundation is a 501(c) 3 non-profit organization serves a diverse college community and was created to expand and develop resources for Santa Ana College students and programs. The Foundation Board of Directors represents a broad-based group of community volunteers, corporate partners, and alumni. The Santa Ana College Foundation leads and supports fundraising activities, campaigns, and initiatives that ensure educational opportunities are possible for all students. It assists in direct philanthropy on multiple fronts. This includes large-scale campaigns, scholarships, local and national grants, program support, which includes our Associate Groups. To this end, the college foundation solicits the support of the community and donors by receiving tax-deductible donations of cash gifts, bequests, trusts, endowments, corporate grants, life insurance benefits, and personal or real property. If you are interested in more information about the Foundation and how to participate in supporting our many programs, please contact the Foundation Office.

Location:

Phone: 714-564-6091

Website: givetosac.org/

Community Education Program

Community Education Program offers a full spectrum of low cost, fee-based educational opportunities that include professional growth, personal enrichment, and recreational activities. A variety of classes and seminars are available including animal care, arts and crafts, business and careers, computers, home and garden, language, dance, health and fitness, money matters, personal enrichment, and real estate. Also available are "College For Kids" programs, special interest classes, online classes, and travel tours.

Location: VL-211

Phone: 714-564-6594

Email: saccs@sac.edu

Website: sac.edu/aboutsac/community-education

Counseling Services

The Counseling Center at Santa Ana College offers academic advising and personal counseling, education plan development, career planning, orientation services, and counseling courses that support students' personal and academic development in the achievement of their educational goals. Counseling services are provided at SAC through a variety of specialized academic support programs, housed both within and outside of the Counseling Division. Please refer to the Student Services page of our website for a complete listing of SAC student support programs at sac.edu/StudentServices.

Centers and Programs Within the Counseling Division

Students who are interested in transferring to a university, looking for specific career paths such as education, science and engineering, or certificates in career education can access counseling through specific programs in these areas. For more information, visit our Counseling page at sac.edu/studentservices/counseling

Orientations and Workshops

Counseling can be accessed through a variety of service modalities. New student and career specific orientations are available to help students learn college procedures and requirements and gain information on career and transfer pathways. In an effort to support student success, workshops are offered in educational planning, how to transfer to a university, and strategies for students who are experiencing academic challenges. Counseling courses are an additional way to access services.

Santa Ana College Counseling Center

Counselors are available to meet with students during drop-in times, both in person and via our on-line drop-in counseling service to answer brief questions. Individual appointments for in-depth career, academic or personal counseling are also available.

Location:S-112

Phone: 714-564-6100

Website: sac.edu/studentservices/counseling

D

Digital Dons and Student Help Desk

Digital Dons is a program designed to meet student's technology needs and achieve more equitable course completion. Through this program, eligible students may borrow a laptop. Through this program students will receive technical assistance through our Student Help Desk.Digital Dons and the Student Help Desk are located in the Academic Computing Center(ACC) A-106 For more information, please contact 714-564-6039 or visit Digital Dons webpage.

Disabled Students Program & Services (DSPS)

The Disabled Students Program & Services (DSPS) team facilitates access to educational courses and programs, while also nurturing independence, self-advocacy, and inclusion for students with verified disabilities. DSPS is also committed to collaboratively supporting staff and faculty in fostering inclusive learning environments for students at Santa Ana College and School of Continuing Education.

DSPS serves as a partner for students to ensure opportunities to

participate in, and benefit from, college programs, services, and activities. Whether students are experiencing impacts of physical, mental, or other disabilities, DSPS works to individualize supports for each student. Based upon students' experiences, DSPS supports may include disability and academic counseling, reasonable accommodations, and advocacy for eligible students with disabilities.

Recognizing students experience learning challenges, but disability documentation may not be available, the DSPS team encourages reaching out to discuss potential options for support. Student experiences matter, DSPS can be a partner on the academic journey.

For more information about our services, or to schedule an appointment, students may visit the DSPS office.

Location: Johnson Student Center JSC-108

Phone: 714- 564-6295

Video phone: 657-235-2999

Email: DSPS@sac.edu

Website: sac.edu/studentservices/dsps

Distance Education

Distance education courses are Santa Ana College credit courses that include lectures, discussions, assignments and tests delivered via the Internet with opportunities for regular and substantive interaction between the instructor(s) and students and among students. The courses are academically equivalent to on- campus courses and support our district mission to provide quality educational programs and services that address the needs of our diverse students and communities.

Distance Education courses require students to have a computer and Internet access. Students may also use computers in some on-campus facilities.

Online Courses: Fully Online Instruction classes meet 100% online with no scheduled meeting days. Students Logon to Canvas at sac.edu/canvas and complete work regularly throughout the week. Canvas and other technologies will be required to complete coursework.

Fully Online Live: Fully Online Live Instruction classes meet only in scheduled live streaming Zoom meetings. Students logon to Canvas at sac.edu/canvas to attend class virtually on zoom during the published course times. Canvas and other technologies will be required to complete coursework.

Hybrid: On-Campus Hybrid Instruction classes combine scheduled on-campus meetings and online instruction. Students will attend class on-campus during the published course times and will logon to Canvas at sac.edu/canvas and complete work regularly throughout the week. Canvas and other technologies will be required to complete coursework.

E

el Don

The campus' award-winning multimedia news outlet, prepared by journalism students, is distributed to various locations on and off the campus.

Extended Opportunity Programs and Services (EOPS)

The Extended Opportunity Programs and Services program is funded by the state to work with eligible students whose educational and socioeconomic backgrounds might limit their access to higher education or hinder their ability to be academically successful in their college-level studies. Eligible students are provided "over and above" services to help ensure their timely academic progress and completion, including assistance with application and matriculation steps; academic, career and personal counseling; individualized student educational plans; priority registration, book services; help with financial aid, scholarship and transfer applications; program-dedicated tutors and resource center; referrals to other campus resources and opportunities; and as budget permits, school supplies and subsidized program fees. An ancillary program called CARE offers additional support and benefits to EOPS-eligible students who are single parents with at least one child under age 18.

Location: Johnson Student Center JSC-212

Phone: 714-564-6232

Website: sac.edu/studentservices/eops

G

Gender Neutral Restrooms

Unisex/Gender Neutral Restrooms locations:

F 128-1 J 113 JSC-114 & JSC-115 (first floor) JSC-217 & JSC-218 (second floor) K 104-1 P 108-1 and 108-2 R 104 and 106 S 205-1 SC 101, 203 and 303 V 105, 106, 112-1, 150-2, 206, 306, 401 and 509 VL 211-3 X 103-2 and 103-3 Z 102-4, 102-5, 103 and 104 Soccer Field 1 and 2

Graduation Office

Contact Us

Christine Gorlato - (Last names starting from A through G)

gorlato_christine@sac.edu

714- 564-6110

Jessica Morales - (Last names starting from H through O)

morales_jessica@sac.edu

714-564-6089

Tina Pov - (Last names starting from P through Z)

pov_tina@sac.edu

714- 564-6016

Guardian Scholars Program

The Guardian Scholars Program (GSP) at Santa Ana College provides holistic, student-centered support for current and former foster youth, empowering them to thrive academically, personally, and professionally.

While GSP is funded through a combination of NextUP categorical funds, philanthropic contributions, and YESS–Independent Living Program (ILP) support, all services are unified under the GSP name and mission. Strategic collaboration with campus and community partners enhances our collective impact and ensures foster youth receive the tools and resources needed for success.

GSP serves Transitional Age Youth (TAY) and older foster youth by offering a comprehensive range of services aimed at fostering academic achievement, promoting self-sufficiency, and preparing students for meaningful career and life transitions.

Location: Johnson Center JSC-215

Phone: 714-564-6302

Email: guardianscholars@sac.edu

Website: sac.edu/studentservices/guardian/

H

Health and Wellness Center

The Health and Wellness Center supports student success by recognizing that total wellness is essential to academic success. The Center strives to provide optimum physical and mental health services to the college community in a confidential environment with sensitivity to individual needs. Quality clinical services, innovative health, wellness promotion activities, and outside referrals to low-cost providers in the area are provided in a caring, confidential, cost-effective, and convenient manner.

Location: Johnson Center JSC-110

Phone: 714- 564-6216

Email: sachealth_center@sac.edu

Website: sac.edu/studentservices/healthwellness

Eligibility

Full-time and part-time students currently enrolled in SAC credit classes and Continuing Education non-credit classes are eligible for services.

Cost

Most services are provided at no cost to the student. A nominal fee may be charged for certain laboratory tests, prescriptive medications, and some medical procedures.

Services

Physical health and wellness services are provided by registered nurses and a physician and Mental Health and Wellness Services are provided by licensed psychologists and therapists during service hours for the following:

- Blood pressure checks
- Crisis services are available on a walk-in basis
- Diagnosis and treatment of acute short-term illnesses
- Family planning: information, pap tests, birth control, condoms, and pregnancy tests
- First aid
- Free health literature
- Laboratory testing
- Personal counseling
- Referrals to physicians and other health agencies
- Screening and treatment for sexually transmitted infections
- T.B. risk assessment or skin test
- Vaccinations

Treatment of a Minor

Any student under the age of 18 is required to have a parental consent form signed prior to receiving treatment, except in emergencies or cases exempted by state law. The student's parent must sign permission for treatment at time of service.

Accident Insurance

Accident insurance is included in the student health fee and provides on-campus accident coverage while attending college or college sponsored activities. It is recommended that each student carry voluntary insurance coverage for off-campus emergencies and illnesses.

High School and Community Outreach

The High School and Community Outreach department serves as an integral part of the campus and community. Outreach staff provide detailed information regarding the quality programs that are offered to prospective students. Parents, students, and community agencies are connected to campus life via the efforts of Outreach personnel. Special arrangements can be made for campus tours, presentations, and special meetings to discuss interests about college life and academic departments.

For more information, call 714-564-6141 at Santa Ana College.

Honor Societies

Phi Theta Kappa

Phi Theta Kappa is an international honors society that recognizes academic excellence and achievement of students enrolled in two-year colleges. The society offers a myriad of opportunities for scholarship, intellectual enrichment, personal development, and academic recognition. The Alpha Beta Chapter of Phi Theta Kappa was organized at Santa Ana College in 1929. Membership in Phi Theta Kappa is extended each semester by the local chapter to students who have completed a minimum of 12 degree units with a minimum grade point average of 3.5. Members receive special recognition when they graduate.

Alpha Gamma Sigma

Alpha Gamma Sigma is the statewide California Community College Honor Society. Santa Ana College has one of the oldest chapters in the state, organized in 1922. This is the Omicron chapter. To be eligible for initial membership a student must attain a 3.0 GPA in 12 or more units of work in the semester prior to membership or be a high school graduate with 3.5 GPA. A student who has earned 25 service points and has completed 60 or more units with an overall GPA of 3.5 or better and active membership of one semester or a GPA of 3.25 and more than one semester of membership may become a permanent member of Alpha Gamma Sigma upon application and verification of eligibility by the chapter advisor. Permanent members are announced each year in May at the Honors Awards Program, and AGS members receive special recognition at commencement.

Alpha Beta Gamma

Alpha Beta Gamma is the National Business and Professional Curriculum Honor Society for accredited two-year colleges. The Iota Lambda chapter at Santa Ana College is chartering in 2022; students must have a 3.0 cumulative GPA in at least 12 units and be pursuing a major in one of the Business or Professional areas. Members receive special recognition at commencement.

Delta Psi Omega

Delta Psi Omega is the National Theatre Honor Society open to students active in the SAC Theatre Programs with a minimum GPA of 3.0 and 12 units of theatre classwork. Members receive special recognition at commencement.

Lambda Epsilon Chi

Lambda Epsilon Chi (LEX) is a national academic honor society for paralegal students. Sponsored by the American Association for Paralegal Education (AAPE), the society offers students national scholarship opportunities, participation in regional, state and local conferences, and networking opportunities with other legal professionals. Candidates for membership in Lambda Epsilon Chi must be in good academic standing at SAC and have completed at least two-thirds of their paralegal coursework. Candidates also must have a cumulative GPA of 3.5 or higher in their paralegal coursework.

Psi Beta

Psi Beta is the National Honor Society for Psychology at Community and Junior Colleges. Santa Ana College has held a Psi Beta chapter since 2001. To be eligible for initial membership a student must 1) attain a 3.25 GPA in 12 or more units of work in the semester prior to membership and 2) have completed at least one psychology course with a B or better. Members are eligible for national scholarships and academic competitions. Members are inducted every year and receive special recognition at the commencement ceremony.

Sigma Chi Eta

Sigma Chi Eta is the National Honor Society for Communication Studies, and Santa Ana College hosts the Alpha Tau chapter. Students must have an overall GPA of 3.0 with a 3.25 GPA in at least 9 units of Communication Studies courses. Students receive special recognition at the commencement ceremony.

Sigma Kappa Delta

Sigma Kappa Delta is the National Honor Society for English at Community and Junior Colleges. Santa Ana College chartered the Iota Zeta chapter in 2017. To be eligible, a student must 1) attain a 3.0 or higher cumulative GPA in 12 or more units of college coursework, 2) have completed at least one non-developmental English course with a grade of B or better, and 3) have no grades below a B in English courses. Members are eligible for national scholarships and academic competitions. Members are inducted every year and receive special recognition at the commencement ceremony.

Honors Transfer Program

The Honors Transfer Program at Santa Ana College welcomes students who want to challenge themselves and offers honors sections of transferable general education courses, combined "stacked" classes, and contracts. The honors experience is characterized by close interaction with Honors Transfer Program faculty, small class size, and special projects and activities. The major benefits for members of the program include:

- Honors transfer agreements with several four-year institutions that offer minimally "priority consideration for admission to honors programs," and in some instances guaranteed admission with additional GPA requirements. These Honors Transfer Program institutions include, among others: California State University Fullerton, Chapman University, Gonzaga University, La Sierra University, Occidental College, Pitzer College, Pomona College, Tufts University, UCI, UCLA, and Whittier College. Changes are noted on the website.
- Recognition of program completion on the Santa Ana College transcript and diploma.
- Designation as a President's Scholar (for those students who qualify).
- Recommendation by the Coordinator of the Honors Program.
- Library privileges at some of the transfer institutions.
- Scholarship eligibility
- Access to a counselor specializing in honors transfer requirements.

NOTE: No association/affiliation with outside honor societies will be posted to the academic transcript or diploma.

Any student wishing to become a member of the Honors Transfer Program must submit a completed application packet (available online at the SAC website or in the Honors Program Coordinator's office in D-428 at Santa Ana College). The following are considered minimum for acceptance into the program:

- Minimum cumulative GPA of 3.0 (in 6 transferable units for students already in college) or a minimum cumulative high school GPA of 3.0 for entering first term college students.
- Home school designation of Santa Ana College.
- Two academic references to be listed on the application.

The philosophy of honors studies at Santa Ana College is that honors courses are not more work than non-honors courses. Instead, honors courses are enriched and creative. Students may take honors courses without being in the Honors Transfer Program, as long as they meet the following guidelines:

- Students have a minimum cumulative 3.0 GPA, and
- Students meet the prerequisites of the honors course as stated in the schedule of classes.

All honors courses taught at either college within the Rancho Santiago Community College District are to be taken for a letter grade only, not P/NP.

NOTE: To earn program completion, no more than six units of honors coursework from a college other than Santa Ana College will be considered. That includes Santiago Canyon College honors coursework.

For the purposes of articulation, course repeatability, and academic renewal, honors courses are equated with their non-honors counterparts. For the purposes of articulation, course repeatability, and academic renewal, honors courses are equated with their non-honors counterparts. For example, English C1000 and English C1000H are equated courses, so if students received a passing grade of "C" or better, they cannot take English C1000H just to get "H" credit. Likewise, if students received a non-passing grade in English C1000H, they could take English C1000 and, if a passing grade is earned in that course, petition to have the English C1000H non-satisfactory grade replaced through academic renewal with course repetition.

Honors Transfer Program members who are enrolled in the HTP and who have gone through an Honors Orientation may also earn up to twelve units within no more than three contracts through honors project contracts. Students may do more than three contracts, but only three will count toward completion of the Honors Program's requirements. Contracts will earn honors credit only when both the work for the contract and the regular coursework in the UC- transferable course tied to the contract have been completed and have earned an average grade of "B" or better. Contracts require the approval of the instructor of record for the course, the area division dean, and the HTP Coordinator. Contracts may only be completed at SAC though SCC honors courses may help fulfill the SAC Honors Program students' completion requirements. Contract forms are available on the website and by request through email.

For more information, contact the Honors Transfer Program Coordinator at Santa Ana College, Christina Axtell.

Location: D-110

Phone: 714-564-6265

Email: sac_honorstransferprogram@sac.edu

Website: sac.edu/studentservices/counseling/transfer_center/honors_program/

I

Instructional Locations

The district's major instructional locations are at Santa Ana College, Santiago Canyon College, Orange Center, and the Centennial Education Center. In addition to these major instructional sites, the district offers classes at over 100 convenient off-campus locations in the community.

Intercollegiate Athletics

Santa Ana College offers a winning tradition with an established national reputation, outstanding teaching and coaching, and an excellent system of assistance in transferring students to four-year colleges and universities with athletic scholarships. The college offers a full range of intercollegiate athletic competition in the sports of football, basketball, baseball, cross country, track, swimming, water polo, volleyball, sand volleyball, soccer, softball, and wrestling. All prospective student-athletes with questions about eligibility for intercollegiate athletics are encouraged to contact the Kinesiology, Health and Athletics Division.

Phone: 714-564-6906

Email: picchi_andrea@sac.edu

Website: sac.edu/division/kin

International Students

The International Student Program supports all international students with their success in the United States and at Santa Ana College. In addition to providing support for student visa applications and status maintenance concerns, the office organizes orientations and workshops to support adjustment to studying and living in the USA. The ISP works to guide international students through the student services and academic opportunities available to them. The International Student Lounge offers a study and exchange space for all students, and is home to the International Student Association, a student club dedicated to the intenational community on campus.

Location: Johnson Student Center JSC-208

Phone: 714-564-6047

Email: Intl_Students@sac.edu

Website: www.sac.edu/ISP

L

LGBTQIA+ Liaison

Lance Lockwood (lockwood_lance@sac.edu), professor of Communication Studies, is the designated LGBTQIA+ liaison for students and staff. Lance will provide support, explain the process, and assist with reporting incidents of bullying, harassment, or intimidation based on a person's real or perceived sexual orientation or gender identity.

Lactation Room

Per AB2785 the lactation room is available for students and employees. To reserve a time to use the lactation room go to JSC-110 or call 714- 564-6216 and reserve with the office staff.

Learning Center

The Learning Center is located in Dunlap Hall (room D-307) at Santa Ana College. The Center offers a wide selection of resources providing students with skills and strategies to promote their academic success. Services include supplemental learning assistance (DOTAs), tutoring in many different subjects, conversation circles, and workshops. Academic support is free for all Santa Ana and Centennial Education Center students. Tutors are available for a variety of subjects including English, writing, English for the Multilingual Student (EMLS), reading, foreign languages, communication studies, biology, chemistry, physics, math, social sciences and Career and Technical Education. The Center also provides a TEAS Prep and remediation program for pre-nursing students. The Learning Center is staffed with instructors, trained tutors, and learning assistants.

Location: D-307

Phone: 714-564-6542

Email: learningcenter@sac.edu

Website: sac.edu/studentservices/learningcenter

Library Services

The Nealley Library of Santa Ana College, one of two libraries in the District, is centrally located on the first floor of the L building. The library supplies the resources, services and facilities that support student learning and the mission of the College. The Library's collection is composed of books, ebooks, audiobooks, periodical subscriptions, close-captioned videos and DVDs, CDs, microforms and a variety of periodical databases providing students and staff with 24/7 remote access to over 20,000 full-text periodicals and 24,000 e-books. To borrow library materials students and staff must show a picture ID. The Library's Reserve collection of more than 2,700 items provides students with library-use access to many textbooks and other course-related material. Distance students may also request a PDF scan of one chapter, per textbooks each semester. Students and staff may use either of the two District libraries and may request inter-campus delivery of circulating books. The Internet is available to all patrons at all public access workstations. Currently enrolled students can conduct library research using library wireless laptops or their own laptops using Wi-Fi access. Library instruction is available for students.

Visit the Library Workshops guide for details:
libguides.sac.edu/library-workshops

Location: L-Building, 1st Floor

Phone: 714-564-6700 for general library information
714-564-6708 for research assistance.

Email: libref@sac.edu

Website: sac.edu/library

M

Math Center

The Math Center is a resource center that provides individual and group assistance in mathematics. The Math Center also facilitates Directed Learning Activities. Faculty instructors, instructional assistants, and student tutors are available to assist students with challenging topics, answer questions, encourage understanding, and provide support for all math students. Students also have access to textbooks, graphing calculators, instructional videos, and computer programs. It is located in the Library building.

Location: L-204

Phone: 714-564-6678

Email: lehman_candice@sac.edu

Website: sac.edu/studentservices/mathcenter/resources

MESA

MESA (Math, Engineering, Science Achievement) is an academic program designed to support first-generation college students pursuing a major in STEM (science, technology, engineering, and math) and transfer to a 4-year university. Services include tutoring, advising, a dedicated study center and support, academic success workshops, industry and university exposure, assistance with choosing and applying to universities, scholarships, internships, and research experiences. Travel to professional and leadership conferences and other opportunities provided to active program participants.

Location: L-206

Phone: 714-564-6373

Email: mesa@sac.edu

Website: sac.edu/studentservices/counseling/transfer_center/mesa

N

Northern Trip

Twice a year, Santa Ana College hosts a Northern Trip for students to visit four UC campuses: Berkeley, Davis, Santa Cruz, and Santa Barbara. During this trip, students also receive individualized academic advising, transferable units (Counseling 110), and an opportunity to visit San Francisco. Hotel, transportation, and breakfasts are provided.

Location: University Transfer Center S-110

Phone: 714-564-6165

Website:
sac.edu/studentservices/counseling/transfer_center/northern_trip

O

Open Educational Resources (OER)

Open Educational Resources (OER) refers to textbooks or online materials that are in the public domain or have a Creative Commons license. Classes listed with an OER symbol use free course materials unless noted in the course schedule comments.

P

Public Affairs

Information and publicity regarding Santa Ana College programs and activities are disseminated to the news media and community through the SAC Office of Public Affairs/Governmental Relations, located on the second floor of the "S" Building.

Puente Program

Puente is a learning communities program providing transfer support to educationally disadvantaged students. The learning communities model links English and Counseling instruction (English-C1000 for Composition & English-C1001 for Critical Thinking) for one academic year. Academic counseling, a variety of out of class activities, and mentoring is embedded to assist and prepare students for a successful transfer.

Location: S-110

Phone: 714-564-6165

Email: Puente@sac.edu

sac.edu/studentservices/counseling/transfer_center/puente

R

Rising Scholars Program

The Rising Scholars Program at Santa Ana College serves students impacted by the criminal justice system. The mission of the program is to ensure that students achieve their education goals and feel supported as they transition into the college environment by providing onboarding support services and intensive monitoring and mentoring services.

Location: Johnson Student Center L-221

Phone: 714-564-6148

Email: Risingscholars@sac.edu

Website: sac.edu/studentservices/risingscholars/

S

SAC Promise

Santa Ana College (SAC) Promise is an initiative of the Santa Ana Partnership and has expanded to serve all first-time freshmen. The goal of the program is to support students who would like to attain a certificate, AA degree and/or transfer to a four-year university by providing free tuition for your first two years. Additionally, SAUSD graduates receive guaranteed admission to CSU Fullerton. .

Location: S-107

Phone: 714-564-6067

Email: sacpromise@sac.edu

Website: sac.edu/studentservices/counseling/transfer_center/promiseprogram

SAC PRIDE!

SAC PRIDE! is a program dedicated to supporting, affirming, and empowering lesbian gay, bisexual, transgender, queer, gender-diverse and ally students. We provide culturally responsive support that honors the diverse lived experiences of LGBTQ+ students. Whether you're seeking academic support, community, or guidance, SAC PRIDE! is here to walk alongside you every step of the way.

Location: VL-205

Phone: 714-564-6450

Email: sacpride@sac.edu

Website: sac.edu/pride

Scholarships

Scholarships are a critical component to student success. Many alum, community patrons and organizations establish scholarship awards as a means of expressing confidence in Santa Ana College and its students. Santa Ana College scholarships are awarded to deserving students who represent and demonstrate great academic merit, achievement, leadership skills, and financial need. Open to incoming freshmen, continuing, and transferring students enrolled in a minimum of 6 units or more each semester (Fall & Spring) at SAC with a minimum GPA of 2.0. In the 2024-2025 academic year, the SAC Scholarship Program will award $812,000 in scholarship awards, due to the support of our generous donors. Scholarship opportunities are also available to students enrolled in the SAC Fire Academy, Fire Prevention Officer Program, along with students who have 9 units or less left towards certificate completion.

The Scholarship Program offers a series of workshops to provide students with an overview of the online application process, guidelines on writing a personal statement, and requesting letters of recommendation.

Location: S-201

Phone: 714-564-6478

Email: scholarship@sac.edu

Applications and a schedule of workshops available here:

Website: givetosac.org/sac-scholarship-programs-students

School of Continuing Education

The School of Continuing Education helps students reach their professional and academic goals. Our academic programs include:

- Adult Basic Education
- Adult Secondary Education
- Career Education
- Citizenship Preparation
- English as a Second Language
- Older Adults Program
- Parent Education Program

All classes are non-credit and 100% tuition-free to adults living in California. Classes are offered online or in-person at locations in and around Santa Ana, California. Counseling and educational planning are free to students.

To learn more and register, visit our website: sac.edu/sce

sac.edu/go - English

sac.edu/vamos - Spanish

sac.edu/goviet - Vietnamese

Student Advocacy & Accountability

Santa Ana College (SAC) is committed to maintaining a safe, respectful, and high-quality learning environment that supports student success.

Student Expectations

All students and student organizations are expected to:

- Demonstrate maturity, social responsibility, and respect for health and safety
- Act with honesty and personal accountability
- Respect the rights, dignity, and property of others
- Follow all college policies and applicable local, state, and federal laws (on and off campus)
- Students are responsible for adhering to the Standards of Student Conduct and community expectations as members of the SAC community.

Key Support Resources

Student Advocacy & Accountability provides:

- Peer Advocates (conflict resolution support)
- Student Code of Conduct guidance
- Student Leadership Academy
- Student Rights and Responsibilities information
- Title IX & Civil Rights support

Contact Information

Location: Johnson Student Center, JSC 10

Student Advocacy & Accountability: 714-564-6206

Title IX & Civil Rights: 714-564-6211

studentconduct@sac.edu

titleix@sac.edu

civilrights@sac.edu

Websites Student Advocacy & Accountability:

https://sac.edu/studentservices/advocacy_and_acccountability/

Southern Trip

The Southern Trip is a 3-day experience designed to expose students to a variety of university campuses and opportunities. During the trip, students will visit CSU San Marcos, San Diego State University, UC San Diego, and the University of San Diego.

This program provides students with valuable insight into campus life, academic programs, and transfer opportunities. Lodging, transportation, and breakfast are fully covered by the Promise Program.

Location: SAC Promise Center, S-107

Phonw: 714-564-6072

Email: sacpromise@sac.edu

Website: sac.edu/promise

Student Leadership Academy

The Student Leadership Academy is a free, non-credit program designed to help you grow as a leader—on campus, in your community, and beyond. Whether you're just beginning to explore leadership or seeking a deeper, more hands-on experience, this program is designed to support you, challenge you, and help you discover your potential. The academy takes place each spring, with recruitment and applications opening in the fall.

Contact Information

Location: Johnson Student Center, JSC 102

Phone: Student Services Coordinator: 714-564-6320

Email: sacleadershipacademy@sac.edu

Websites: sac.edu/studentservices/sla/

Student Life

The Student Life Office supports a vibrant and inclusive campus community by providing opportunities for student engagement, leadership development, and connection. Student Life fosters a sense of belonging by creating spaces and experiences where students feel welcomed, valued, and supported throughout their college journey.

Through programs, services, and partnerships with Associated Student Government (ASG) and Inter-Club Council (ICC)Student Life coordinates a variety of educational, cultural, and social activities, including multicultural events, wellness initiatives, leadership opportunities, and campus-wide programming. These experiences are designed to support student growth, encourage involvement, and strengthen connections across the campus community.

The Student Life Office also serves as a central resource for students seeking to get involved – whether by joining a club, participating in campus events, or exploring leadership opportunities. In addition, Student Life supports spaces such as the campus lounge, "The Spot", where students can connect, collaborate, and relax between classes.

For more information, call us at 714-564-6214.

Student Placement

The Student Placement Office assists currently enrolled students in obtaining student assistant/work study employment on-campus and at approved community locations. Students are encouraged to take advantage of this excellent opportunity to gain work skills while attending Santa Ana College.

Location: Johnson Student Center JSC-203

Phone: 714-564-6201

Email: jobplacement@sac.edu

T

TRiO Student Support Services Program

TRiO-SSSP is a federally-funded program that provides supplementary academic services to eligible low income and/or first generation college students. The program services are highly personalized and is limited to 175 students. Services include: academic, career and personal advising; priority registration; help with financial aid, scholarship and transfer applications; program dedicated tutors to assist with Math/ English; computer/resource study center; referrals to other campus resources and opportunities; and as budget permits, school supplies and a competitive grant. Applications are available year-round as space permits. The goal of TRiO-SSSP is to increase the college retention and graduation rates of its participants and help students make the transition from one level of higher education to the next.

Location: Johnson Student Center JSC-209

Phone: 714-564-6843

Email: hurtado_veronica@sac.edu

Website: sac.edu/studentservices/sssp

U

U-Link

University Link (ULink) is a transfer success program where first-year students participate in a learning community focused on establishing academic and social support networks at Santa Ana College. ULink students benefit from dedicated counselors for educational planning, college tours, and will be guided throughout the transfer process. This program is open to all students who are interested in transferring to any 4-year university and meet program eligibility.

Location: S-110

Phone: 714-564-6165

Email: ulink@sac.edu

Website: sac.edu/studentservices/counseling/transfer_center/ulink

U2 (Umoja/Ujima) Scholars Program and Umoja Village

The Umoja Village serves as a center for Black cultures, resources, and a home away from home, providing a vibrant, culturally supportive, and inclusive environment where Black students can thrive, and allies can connect. Our support program, U2 Scholars, provides educational resources and services to foster personal, professional, and academic success. No applications or appointments — just drop by VL-108 to relax and recharge or use one of our open services, including study/lounge space, computers, and academic counseling. Want additional benefits? Join our program!

Location: Village, VL-108

Phone: 714-564-6215

Email: u2scholars@sac.edu

Website: sac.edu/studentservices/u2scholars

Undocu-Scholars Program and Center

The Undocu-Scholars Center is a space open to Undocumented students, Mix-Status students, and Allies seeking academic, social, and emotional support and resources contributing to increased retention, graduation rates, personal growth, collective healing, and a sense of community with those impacted by the U.S. immigration system.

The Undocu-Scholars Program prioritizes services and resources to currently enrolled Santa Ana College students who are Undocumented or Mix-Status students. Our goal is to support students impacted directly or indirectly by the U.S. Immigration System to graduate and transfer to a four-year university.

Location: The Village: VL-109

Phone: 714-564-6282

Email: UndocuScholars@sac.edu

Website: sac.edu/studentservices/undocuscholars

University Transfer Center

The University Transfer Center (UTC) at Santa Ana College (S-110), provides information and assistance to students who are preparing to transfer to a four-year university of their choice. UTC has designated counseling appointments and services for transfer bound students. During the fall and spring semesters, the UTC hosts College Fairs with representatives from California and out- of-state colleges and universities who provide admissions information to potential students. University representative appointments are also available for students as well as an up-to-date resource library and other information about transfer programs. The University Transfer Center also provides transfer application workshops which are offered during priority filing periods. In addition, field trips to various university campuses are offered throughout the academic school year.

Location: S-110

Phone: 714-564-6165

Email: transfer_center@sac.edu.

Website: sac.edu/studentservices/counseling/transfer_center/utc_programs

V

The John Acuña Veterans Resource Center

The John Acuña Veterans Resource Center is dedicated to supporting veterans and military-connected students as they transition from military service to college and civilian life. Their services include the following: Assistance with accessing VA Education Benefits, specialized orientations and workshops, college preparation and retention through Department of Education TRiO grants, through the Southern California Veterans Upward Bound program (SoCalVUB), and Veteran Student Support Services (VSSS), academic counseling, a dedicated space to study and use computers, mentorship opportunities, dedicated campus tours, and referrals to on and off campus veterans programs and resources, VA work-study opportunities, and opportunities to meet and socialize with other veterans at the college.

Location: M-120 (In the west side of the Planetarium building)

Phone: 714-564-6050

Email: estrada_brenda@sac.edu

Website: sac.edu/vrc

Veteran Education Benefits

Veterans and eligible persons who wish to utilize their education benefits must notify the VRC prior to the beginning of each semester by completing a Certification Request Form after having completely registered in courses required for their program. Courses must apply towards the approved degree or certificate offered at Santa Ana College. Other documentation such as Educational Plans, DD-214s, and Certificates of Eligibility will be needed for new students. Satisfactory academic progress must be maintained by all VA applicants. All those collecting VA educational benefits are required to immediately report any changes of classes, both adds and drops, to the VRC as this may cause overpayments. Veterans and eligible dependents/spouse who are on academic probation [below 2.0 grade point average (GPA)], or progress probation [percentage of coursework at SAC/SCC that has an entry of “W”, “I”, “NP”, and “NC” reaches or exceeds 50% of course work attempted], must show a continued improvement in GPA or course completion with each semester after the deficiency. A student who is on academic probation shall have VA educational benefits certification suspended after showing two semesters without satisfactory progress towards graduation requirements of 2.0 GPA. In such instances, a student will not be certified for a third semester and must petition for recertification. The student must show a counselor-approved program indicating what course of action must be completed to maintain satisfactory progress towards graduation or completion of requirements.

Types of Benefits That Can Be Utilized

Veterans who qualify to receive benefits under the Montgomery Bill- Active Duty (Chapter 30), Montgomery Bill-Selected Active Reserve (Chapter 1606), and eligible persons under the Survivors’ and Dependents’ Educational Assistance Program (Chapter 35) are encouraged to take advantage of their educational entitlement. Veterans with aggregate active duty after 9/10/01 may be eligible for the Post 9/11 Bill (Chapter 33). This program includes a basic allowance for housing (BAH), book stipend, and tuition/fees which are all based on the percentage of eligibility. Dependents of Service members who died in the line of duty after September 10, 2001 could also use Chapter 33 benefits under the Marine Gunnery Sergeant John David Fry Scholarship. Veterans with a service-connected disability may be eligible for Veterans Readiness & Employment (Chapter 31). This program provides eligible veterans with a monthly allowance or BAH as well as payment for tuition, most fees, and necessary books and supplies. War orphans, dependents, and survivors of veterans considered 100% disabled as the result of a service- connected disability, who died from those conditions, or who died while on active duty, may be eligible for benefits. Applicants should seek information regarding eligibility and payments from the VA Regional Office in OK -1-888-442-4551. The John Acuña Veterans Resource Center staff can assist with the paperwork needed to initiate the certification of the courses for the eligible student.

Applying for Benefits

Each veteran and eligible person who wishes to enter Santa Ana College must follow the admissions procedures. See index for details on enrollment. Assistance is available in the VRC for those applying for the VA education benefits for the first time. For detailed information on the application process, please visit the GI Bill® website at www.gibill.va.gov. Please call or visit the John Acuña Veterans Resource Cener for details on the paperwork needed to initiate the certification process of the education benefits. Information can also be found on the VRC website: sac.edu/vrc

Veterans Priority Registration

Veterans eligible for Priority Registration under the California Education Code 66025.8 will need to fill out the form in the VRC to determine eligibility www.sac.edu/vrcforms Course protection Guarantee under the Veterans Benefits & Transition Act of 2018.

Transcripts and Program Approval

VA regulations require that prior credit from other educational institutions attended be evaluated and applied in the students’ approved program. Therefore, evaluation of all prior credits must be done at the end of the first semester of attendance. If the required transcripts are not on file, the VRC will not be able to certify payment beyond the first semester. To avoid delays in payments, the VRC requests that all official transcripts be on file with the Admissions Office at the beginning of the first semester of attendance. Veterans and eligible persons must have each course approved prior to registering for each semester. The VA requires that the VRC monitor progress towards a specific degree plan or approved certificate. Therefore, for payment purposes, students must select a major and take only those courses on the student’s educational plan specifically required for that major. Academic Counselors are available to provide comprehensive counseling services within the VRC. If the students have attended previous schools, official transcripts must be on file before a college program can be approved by the counselor.

Z

Zero Textbook Cost (ZTC)

Zero Textbook Cost (ZTC) refers to courses that eliminate conventional textbook costs by using alternative instructional materials and methodologies, including freely usable Open Educational Resources.

Classes listed with a ZTC symbol use free course materials.

COLLEGE POLICIES AND STANDARDS

Absence/Non-Participation/Drop

It is the student's responsibility to withdraw officially from a course via Self-Service. A student may be dropped by the instructor when not appearing at the first class meeting or not participating in the first course activity designated to account for active enrollment. A student may be dropped for non-participation if he/she has missed in excess of 10% of the total course activities including but not limited to class attendance, discussions, assessments, etc. Under extenuating circumstances, a student may be reinstated by the instructor. Note: Only those drops completed prior to the refund deadline are eligible for refund consideration.

Attendance

Students are expected to attend all sessions of the classes in which they are enrolled. Students should report absences due to illness to the instructor immediately upon returning to class. Rancho Santiago Community College District coursework and all transfer work will be computed in the Honor designated GPA.

Auditing

Santa Ana College does not permit auditing of classes. Only students who are officially enrolled in a course may attend class.

Study Load

In order to meet the graduation requirements in four semesters, students should carry an average of 15 units each semester. Students will ordinarily not be allowed to register for more than 18 units. When individual circumstances may require additional unit demand, an overload program in excess of 18 units may be approved for students who have maintained a B average or have satisfactory test scores on SCAT, SAT, ACT, or other similar measures that predict success, including the counselor's assessment of the difficulty of the program. Approval for such overloads may be secured from college counselors or the Dean of Counseling. A summer session load should not exceed the equivalent of one unit per week or approximately nine units for an 8-week session. If over 9 units for summer or over 6 units for intersession, an overload petition is required.

Academic Honesty Policy Information

Introduction: Students at Santa Ana College are expected to be honest and forthright in their academic endeavors. To falsify the results of one's research, to steal the words or ideas of another, or to cheat on an examination corrupts the essential process by which knowledge is advanced.

Academic dishonesty is seen as an intentional act of fraud in which a student seeks to claim credit for the work or efforts of another without authorization or uses unauthorized materials or fabricated information in any academic exercise. As institutions, we also consider academic dishonesty to include forgery of academic documents, intentionally impeding or damaging the academic work of others, assisting other students in acts of dishonesty, or coercing students into acts of dishonesty.

Procedures: In cases where a violation of academic honesty is discovered, the faculty member is encouraged to notify their appropriate supervisor and file a Maxient Incident Report. There are two categories of sanctions: Limited and College-wide. Limited sanctions include an academic action such as assigning a lower grade or a grade of "F" for the assignment, project, or test. College-wide sanctions include any sanction that will affect a student's standing with the college-at-large, up to and including suspension or expulsion from the College. The primary responsibility for academic action rests with the instructor and the academic division where the violation allegedly occurred. The Director of Student Accountability will assist in all College-wide sanctions.

Academic Honors

Academic Honors at Graduation Academic honors are awarded to students who do outstanding coursework leading to graduation from Santa Ana College. No association/affiliation with outside honor societies will be posted to the academic transcript or diploma. Graduation honors are awarded as follows:

President's Scholar

The President's Scholar designation is placed on the transcript and diploma of the graduate who has achieved an overall grade point average (GPA) of 3.5 while completing the SAC Honors Transfer Program requirements. In addition, the President's Scholar graduate must have completed at least 30 units of coursework within the Rancho Santiago Community College District colleges. Fifteen units or more must be honors; no more than 6 of those 15 honors units may come from schools other than SAC. All letter grades must be C or better. Rancho Santiago Community College District coursework and all transfer work will be computed in the Honor designated GPA.

With Highest Honors

The highest honors designation is placed on the transcript and diploma of the graduate who has achieved an overall grade point average (GPA) of 4.0. The highest honors graduate must have completed at least 30 units of coursework within the Rancho Santiago Community College District colleges of which 18 units or more must be letter grades. All letter grades must be A. Rancho Santiago Community College District coursework and all transfer work will be computed in the Honor designated GPA.

With High Honors

The high honors designation is placed on the transcript and diploma of the graduate who has achieved an overall grade point average (GPA) of 3.8. The high honors graduate must have completed at least 30 units of coursework within the Rancho Santiago Community College District colleges of which 18 units or more must be letter grades of A, B, or C.

With Honors

The honors designation is placed on the transcript and diploma of the graduate who has achieved an overall grade point average (GPA) of 3.5. The honors graduate must have completed at least 30 units of coursework within the Rancho Santiago Community College District colleges of which 18 units or more must be letter grades of A, B, or C. Rancho Santiago Community College District coursework and all transfer work will be computed in the Honor designated GPA.

Departmental Honors

Honors are awarded to students who do outstanding work in their departments. Eligibility is determined by inclusion in the honors categories listed above. Selection is made by departmental faculty with the division dean's approval.

Completion of Honors

Transfer Program Completion of Honors Transfer Program designation is placed on the transcript of the graduate who has achieved an overall grade point average (GPA) of 3.0 while completing the SAC Honors Transfer Program requirements. In addition, the Completion of Honors Transfer Program graduate must have completed at least 30 units of coursework within the Rancho Santiago Community College District colleges; 15 units or more of those 30 units must be honors courses, with no more than 6 units from schools other than SAC.

Semester Academic Honors

An honors list is issued each semester from the President's Office. Students are eligible by completing twelve or more units with a grade point average of 3.5 or better. Pass/no pass units are not considered in the twelve-unit requirement. Overall GPA must also be a 3.5 or better.

Baccalaureate Degree Latin Honors

Summa Cum Laude: GPA 3.90-4.0

Magna Cum Laude: GPA 3.75-3.89

Cum Laude: GPA 3.50-3.74

Academic Renewal

In as much as past performance does not always reflect accurately a student's actual ability, Santa Ana College has established a policy of academic renewal. Students may petition to have their academic record reviewed for academic renewal of substandard academic performance.

To be eligible, the student must have completed at least 15 units with a 3.0 GPA or 24 units with a 2.0 GPA or higher in sessions subsequent to the substandard work being petitioned. All lower division units from all colleges attended will be counted from the semester immediately following the substandard work.

The substandard academic renewal work will not count toward graduation or certification, and the permanent academic record shall be annotated in such a manner that all work remains legible. Up to 30 units combined of below "C" work from the Colleges may be disregarded in the computation of the grade point average. The student may choose the 30 units of substandard grades to disregard.

After an associate degree, or general education certification is posted, academic renewal without course repetition is not accepted.

Academic Renewal Without Course Repetition is solely the policy of the Rancho Santiago Community College District and may not necessarily be followed by other institutions.

Academic Renewal Without Course Repetition may be granted multiple times by Santa Ana College and/or Santiago Canyon College but is limited to a total of 30 units.

As a result of AB705, a student may seek grade alleviation without course repetition when the substandard work occurred in an English or Mathematics course that is part of a remedial (pre-transfer level) sequence OR in an ACE or EMLS course that is part of the sequence leading to transfer-level English (CSU GE Area A2 or IGETC GE Area 1A or Cal-GETC Area 1A) once the student has successfully passed the transfer-level course, regardless of the student's overall academic record since the semester in which the "D", "F" or "NP" was earned.

A student seeking alleviation under this scenario will be eligible for alleviation subject to these limitations: If a student received a grade of "C" or better or "P" in a transfer- level English course (CSU GE Area A2 or IGETC GE Area 1A or Cal-GETC Area 1A APPROVED course), the highest grade earned shall be used when computing the student's cumulative grade point average. Grades earned in courses in a remedial English sequence pre-requisite to a transfer-level course may only be alleviated once the student earns a satisfactory grade ('C" or better or "P") in the transfer-level course. Neither the student's academic record since earning the "D", "F" or "NP" grade nor the time elapsed since earning the "D", "F" or "NP" is relevant to this scenario. The units alleviated in this scenario shall not be counted as part of the maximum 30 units of substandard work allowed under the first provision of AR 4240.

A student seeking alleviation under this scenario will be eligible for alleviation subject to these limitations: If a student received a grade of "C" or better or "P" in a transfer- level Mathematics or Quantitative Reasoning course (CSU GE Area B4 or IGETC GE 2A or Cal-GETC Area 2 approved course), the highest grade earned shall be used when computing the student's cumulative grade point average. Grades earned in courses in a remedial Math sequence pre-requisite to a transfer-level Mathematic or Quantitative Reasoning course may only be alleviated once the student earns a satisfactory grade ('C" or better or "P") in the transfer-level course. Neither the student's academic record since earning the "D", "F" or "NP" grade nor the time elapsed since earning the "D", "F" or "NP" is relevant to this scenario. The units alleviated in this scenario shall not be counted as part of the maximum 30 units of substandard work allowed under the first provision of AR 4240.

A student seeking alleviation under this scenario will be eligible for alleviation subject to these limitations: If a student received a grade of "C" or better or "P" in a transfer- level English course (CSU GE Area A2 or IGETC GE Area 1A or Cal-GETC Area 1A APPROVED course), the highest grade earned shall be used when computing the student's cumulative grade point average. Grades earned in the ACE or EMLS sequence pre- requisite to the transfer-level English course (CSU GE Area A2 or IGETC GE Area 1A or Cal-GETC Area 1A APPROVED course) may only be alleviated once the student earns a satisfactory grade ('C" or better or "P") in the transfer-level course. Neither the student's academic record since earning the "D", "F" or "NP" grade nor the time elapsed since earning the "D", "F" or "NP" is relevant to this scenario. The units alleviated in this scenario shall not be counted as part of the maximum 30 units of substandard work allowed under the first provision of AR 4240.

When Academic Renewal Without Course Repetition occurs under this section, the student's permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history. This petition is submitted to Admissions and Records.

Campus Regulations

The Rancho Santiago Community College District supports liberal policies regarding free speech for individual students, college staff, nonofficial college groups, and visiting speakers.

Publicity for off-campus activities and organizations must be stamped by the Student Life office located in the Johnson Student Center, JSC-102.

Posting flyers to promote campus events must be stamped by the Student Life office.

Santa Ana College is an alcohol and drug free campus; smoking is prohibited on campus except in designated areas. California Code A.B.846, Chapter 342-New Law (2004) prohibits smoking within 20 feet of main entrances or exits of buildings of California Community Colleges.

These regulations are available to all students and staff in the Student Life office, located in the Johnson Student Center, JSC-102. Please refer to Administrative Regulation 3900 Speech: Time, Place and Manner for specific policies.

Course Repetition

A student who earns a D, F, W, or NP grade may repeat the course up to two times to improve the grade of the substandard work. Withdrawals (notations of W) will count toward the two allowable repeats. A student may not repeat a course more than two times to alleviate substandard work (total of three attempts). A student may not repeat a course to change a grade of C or above. (Note this same procedure may be followed in case of grades UF and WF which appear on some older transcripts.) Courses repeated under the provisions of this section will be indicated as repeated on the permanent academic record of the student. Course repetition at Santa Ana College does not guarantee that other institutions will approve such action. This determination will be made by the respective transfer institutions.

Work Experience Education

The Work Experience Education Program represents a joint educational venture between the student, a college in Santa Ana College, and a participating employer. Under terms of the program, qualified students may earn up to four units per semester on a Pass/ No Pass basis for educational experiences on the job and coordinated coursework at Santa Ana College. Further information will be found in the course section of the catalog. Call the appropriate division for further information.

Repeatability of Courses
Courses may be repeated under the following circumstances:

Substandard Work:
A student has up to three enrollments in the same course (SAC and SCC combined) to receive a passing grade. After two attempts, the student loses the ability to register for the class online. A repeat form must be completed and submitted to the Admissions Office. After three attempts, the student can no longer register for the course within this college district.

Non Repeatable Course:
A student who earns a D, F, NP or W grade may repeat the course twice to improve the grade of the substandard work. The last grade earned will count in the GPA calculation. Courses repeated under the provisions of this section will be indicated as repeated on the permanent academic record of the student. A student may not repeat a course to change a grade of C or better. After three enrollments, the class must be completed outside the Rancho Santiago Community College District.

Significant Lapse of Time:
Students may be permitted to repeat the course no less than 36 months since the most recent grade was obtained AND an institution of higher education to which a student wishes to transfer has established a recency requirement that the student cannot satisfy without repeating the course (Title 5, §55043). Students may submit a Petition for Course Repetition Exception Form to repeat the course. Grades awarded for courses repeated under this provision shall replace the original grade. Only one repetition may be used for significant lapse of time (W grade counts towards repetition).

Legally Mandated Training:
Repetition of courses for which the student is legally mandated by statue or regulation. Pursuant to Title 5 Section 55040, of the California Code of Regulations, Santa Ana College has adopted the following policy with regard to repeating courses for which the student has certified or documented that course repetition is legally mandated. Student may submit a Petition for Course Repetition Exception Form to repeat a course. Course repetition shall be permitted in cases where such repetition **is necessary for a student to meet a legally mandated training requirement as a condition of continued paid or volunteer employment.** Such courses may be repeated for credit, any number of times, regardless of whether or not substandard work was previously recorded, and the grade and units received each time shall be included for purposes of calculating the student's grade point average. Santa Ana College reserves the right to require a student to certify or document in writing that course repetition is necessary to complete legally mandated training pursuant to this section.

Variable Unit Courses:
When a course is designated as repeatable and is also variable unit, the number of repeats dictates how many times the course may be enrolled in for credit. A variable unit course which is not designated as repeatable may be registered for until the maximum number of units has been attempted. No portion of the class may be repeated to improve grade point average.

Courses Related in Content:
(commonly referred to as a Families of Courses)
Regulations governing the repetition of credit courses in the California Community College system effective Fall 2013 have eliminated repeatability in the Art, Dance, Digital Media, Music, Kinesiology (activity courses), and Theatre Arts departments. While students will not, in most cases, be allowed to repeat active participatory courses in these departments, students will still be allowed to enroll in each class within a grouping of active participatory courses that are related in content (commonly referred to as a family of courses) a maximum of four times. A family of courses may include more than four courses, but students are limited to a maximum of four courses in any family. Further, all grades, including Ws, will count toward the four-course enrollment limitation and for computing the grade point average (GPA). Students can repeat Art, Dance, Digital Media, Music, Kinesiology (activity courses), and Theatre Arts courses that are included in Families of Courses in which a NP, D, F grade was earned, or W was assigned; however, all enrollments count toward the 4-enrollment maximum for each family of courses. Santa Ana College has developed 62 families of courses which can be accessed at sac.edu/curriculum. For further information regarding enrollment into a family of courses, visit the link above or contact the Admissions and Records office.

Chosen Name
Many people use names that differ from their legal names. These kinds of names are often referred to as preferred names, chosen names, or nicknames. Santa Ana College and the Rancho Santiago Community College District recognize that for many people, these chosen, or preferred, names represent an important component of their identity. Chosen Name allows all students to select the first, middle, and last names they would like to be called within the District community, where such usage is currently supported. Students are encouraged to choose this name carefully as the name selected will appear in most systems throughout the District, including role sheets and academic applications, such as Canvas. Students can select and/or change their Chosen Name through Self-Service in their individual User Profile. A student's legal name will also remain stored in the system and will continue to be used on all official documents, such a transcripts or graduation documents.

Credit for Prior Learning (CPL) Reference(s):
AR 4235 Credit for Prior Learning (rsccd.edu)
Education Code Section 66025.71, 66700, 70901, Sections 70901 and 70902 Title 5 Section 55002, 55023, 55021, 55025, 55052 Students may demonstrate proficiency in a course eligible for Credit for Prior Learning and receive college credit through the approved alternative methods for awarding credit listed below:

- Achievement of a satisfactory score on an Advanced Placement (AP) examination,
- Achievement of a satisfactory score on a high level International Baccalaureate (IB) examination,
- Achievement of a satisfactory score on the College Level Examination Program (CLEP),
- Evaluation of Joint Service Transcripts (JST),
- Achievement of an examination administered by other agencies approved by the District,
- Evaluation of industry recognized credential documentation,
- Evaluation of student-created portfolios, and/or
- Satisfactory completion of an institutional examination, known as Credit by Examination, administered by the college in lieu of completion of an active course listed in the current college catalog.

Determination of Eligibility for Credit for Prior Learning

- The student must be in good standing in the District.
- The student must have previously earned credit or noncredit from the District or be currently registered in the District.
- Current students must have an education plan on file.
- The course is listed in either the current Santa Ana College or Santiago Canyon College Catalog.
- The student is not currently enrolled in the course to be challenged.
- Credit by Examination: The student is registered in the District and not currently enrolled in nor received credit for a more advanced course in a sequence in the same subject (may be waived by department).
- Credits acquired by examination are not applicable to meeting of such unit load requirements as Selective Service deferment, Veterans, or Social Security benefits. Credits acquired by examination shall not be counted in determining the 12 semester hours of credit in residence required for an Associate degree.

Prior Learning Assessment Grading Policy
Grading shall be according to the regular grading system in accordance with Administrative Regulation (AR) 4230 Grading and Academic Record Symbols.
Students shall be offered a "Pass/No PaCNNss" option, in accordance with Administrative Regulation (AR) 4232 Pass/No Pass Grading Option if that option is ordinarily available for the course. Students shall be given the opportunity to accept, decline, or appeal the grade assigned by the faculty, and in cases of Credit by Examination, pursuant to AR 4230 Grading and Academic Record Symbols and AR 4231 Grade Changes.

Transcription of Credit for Prior Learning
The student's academic record shall be clearly annotated to reflect that credit was earned by assessment of prior learning.

Credit By Examination
Applications for credit by examination may be obtained in the Admissions and Records Office at Santa Ana College. The student will be advised whether a testing fee is to be charged and where it should be paid. Applicants must be currently enrolled at Santa Ana College and be in good standing.
The list of courses which may be challenged for credit by examination is available in the division offices at Santa Ana College.
Except in the case of Registered Nursing courses, the student must not enroll in a course which is to be challenged. In the event a student decides to challenge a course in which he or she is already enrolled, he or she must withdraw from that course prior to the end of the second week of instruction.
Credit may be earned only for courses that are: 1) currently listed in the catalog, and 2) specifically designated by the appropriate dean as courses that are eligible for credit by examination. A student may attempt credit by examination only once in a particular course.
Students should be aware that some divisions offer credit by examination only on specific dates; therefore, students should obtain examination schedules from the appropriate offices as early in the semester as possible. The dean, in consultation with the department involved, will determine whether a departmental or a standardized examination is to be administered and when and where it will be administered. At this same time, the student will be given a course outline and any other pertinent information detailing subject matter requirements of the course being challenged.
Students may apply for credit by examination in sequential courses, but may take examinations for the courses having prerequisites in the sequence only if credit has been earned by examination or coursework in the earlier course(s) of the sequence.
Grading of the examination is on a Pass/No Pass basis. Pass represents a grade of "C" or better and will be shown on the transcript as "credit by examination". Grades less than "C" will be reported to the college Admissions and Records Office but not recorded on the transcript. "Pass" grades will be computed as units earned but will not be counted in the grade point average. The examiner shall transmit examination results to the Santa Ana College division office. The division dean will review the examination results and will transmit this information to the Admissions and Records Office. Units for which P is given in this category will not be counted in determining the 12 semester hours of credit in residence required for a certificate or an associate degree.

Examinations
It is expected that the instructor will give at least two evaluations of student performance prior to the issuance of mid-term grades and at least one other evaluation before the final examination. Final examinations are required in all courses.

Right To Review and Challenge Records
The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:
The right to inspect and review the student's education records within 30 days of the day the college receives a request for access. Students should submit to the Registrar, or Dean of Admissions, written requests that identify the record(s) they wish to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected.
The right to request the amendment of the student's education records that the student believes is inaccurate. Students may ask the college to amend a record that they believe is inaccurate. They should write the college official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate.
If the college decides not to amend the record as requested by the student, the college will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent
One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is a person employed by the college in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility. Upon request, the college discloses education records without consent to officials of another school in which a student seeks or intends to enroll. [NOTE: FERPA requires an institution to make a reasonable attempt to notify the student of the records request unless the institution states in its annual notification that it intends to forward records on request.] The right to file a complaint with the U.S. Department of Education concerning alleged failures by Santa Ana College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:
Family Policy Compliance Office U.S. Department of Education
400 Maryland Avenue, SW Washington, DC 20202-5901
If students wish, copies of materials contained in the files subject to their review will be provided at a cost of $1 per page.

Pass/No Pass Petition
Pass/No Pass encourages students to explore academic areas outside a major field.

- A maximum of 14 Pass/No Pass units is allowed for any degree examination or assessment, or units earned in courses for which Pass/No Pass is the only grading option.
- Every university has a limitation on the number of courses/units that can be taken for Pass/No Pass and applied to graduation and may require General Education taken Pass/No Pass to be retaken for a letter grade. Universities sometimes prefer that students have letter grades in English, mathematics, speech, and critical thinking courses. Courses that meet major requirements at a university (other than major requirements for ADTs) typically must be taken for a letter grade. Also, Pass/No Pass grades could have a negative effect on scholarships and international students. In addition, students who plan to pursue graduate or professional studies later are advised to

be selective in opting for courses on a Pass/No Pass basis. If the student is unclear about requirements, it is best to consult with a counselor before using the Pass/No Pass option. Except as in item number one above, a maximum of 6 Pass/No Pass units may be carried during any one semester.
- Student should meet with counselor to submit the Pass/No Pass petition.
- Pass/No Pass status cannot be changed back to a letter grade.
- Pass indicates a “C” or better
- Petition deadline is the last day of instruction.

Withdrawal From Class

Students who cannot continue in a course have an obligation to withdraw officially. Students are encouraged to consult with instructors concerning class withdrawals. Students must officially withdraw using Self-Service through 75 percent of a course and receive a transcript symbol of “W”. All instructor-initiated drops “EA” (Excessive Absence) through 75 percent of the class will be assigned a “W”. The academic record of a student who remains in a class beyond the time allowed by district policy must reflect a symbol other than a “W”, except under extenuating circumstances. A student who has a withdrawal (grade of “W”) in the same course two or more times loses the privilege of online registration for that course and must submit a course repetition form to the Admissions Office to enroll in the same course.

For specific course withdrawal dates, refer to the course section details on Self-Service.

Extenuating Circumstances

Excused Withdrawal (EW) A student may petition for an Excused Withdrawal due to extenuating circumstances (reasons beyond the student’s control). If approved, the petitioned classes will be designated with an “EW” (Excused Withdrawal) on the transcript. An “EW” will not be counted in progress probation or dismissal calculations, nor will it be counted towards the permitted number of withdrawals or counted as an enrollment attempt. The deadline to submit a Petition for Excused Withdrawals is the last day of instruction for that class section.

Military Withdrawal (MW)

A student who is a member of an active or reserve U.S. military service and has received orders compelling a withdrawal from courses may request a military withdrawal. If approved, an ”MW” will appear on the transcript for each course. “MW” shall not be counted in the permitted number of withdrawals, nor shall it be counted in progress and dismissal calculations. Students should file the petitions as soon as possible. The petition must be filed no later than one year following the awarding of the original grade.

Incomplete Work

When a student has attended regularly but because of illness or other unavoidable circumstances is unable to complete coursework or take the final examination, a grade of “I” may be given. If an “I” is issued, the instructor completes the Incomplete Grade Form which includes the condition(s) for removal of the “I”, and the grade to be assigned if the condition(s) are not completed. A student may not register in some classes if an incomplete grade is pending. The work thus missed must be made up no later than one year following the end of the term in which it was assigned. A student may petition for a time extension due to unusual circumstances. It is the student’s responsibility to contact the college Admissions and Records Office in such cases. A final grade will be assigned when the work stipulated has been completed and evaluated according to the conditions set forth by the instructor or when the time limit for completing the work has passed.

Grades and Grade Point Average

Grades are based upon the quality of work completed, that is, upon actual accomplishment in courses offered for credit. Credit by examination, Pass/No Pass, “Ws,” “MWs,” “IPs” and “Is” are not figured into grade point averages. The grade point average is computed by dividing all other units attempted into all grade points received. The meaning of each grade and its value in grade points is as follows:

Grade	Grade Point
A – Excellent	4 per unit earned
B – Good	3 per unit earned
C – Satisfactory	2 per unit earned
D – Passing, less than satisfactory	1 per unit earned
F – Failing	0 per unit attempted
P – Pass	0 per unit earned
NP – No Pass	0 (no units earned)
EW – Excused Withdrawal	0 (no units earned)
MW – Military Withdrawal	0 (no units earned)
I - Incomplete	0 (no units earned)
IP – In Progress	0 (no units earned)
RD – Report Delayed	0 (no units earned)
UF – Unauthorized Withdrawal	0 (no units earned)
WF – Withdrawal, Failing	0 (no units earned)

Transcripts

Students may obtain an official transcript of records by filing in person, online, or mailing a request to the Admissions and Records Office, Santa Ana College, 1530 W. 17th Street, Santa Ana, CA 92706. The first two transcripts will be issued without charge in person only, thereafter, a $3 charge will be assessed for each additional transcript. An $8 special handling fee will be charged for express transcripts. FedEx Next Day Delivery is available for an additional cost. All official transcripts are copies of the student’s permanent record in the Office of Admissions and Records at the college. Only records prepared and issued directly from Admissions and Records will be considered official or certified for accuracy. Transcripts from other institutions are property of the college and will not be released. Admissions and Records does not hold transcripts for final grades. It is the student’s responsibility to verify that all grades have been posted via Single Sign-On before requesting transcripts.

Discrimination Complaints

Rancho Santiago Community College District does not discriminate based on national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status; the perception that they have one or more of the foregoing characteristics; or an association with a person or group with one or more of these actual or perceived characteristics. Students may file a discrimination complaint when they believe they have been deprived of a right granted to students by the Board of Trustees in any of the policies or regulations of the Rancho Santiago Community College District. These complaint procedures aim to resolve differences as fairly and expeditiously as possible while preserving the rights of students and staff members.

The following administrator has been designated to handle inquiries and address student reports or complaints regarding the District’s non-discrimination policies:

Deputy Title IX Coordinator

Jennifer De La Rosa, Dean of Student Development

Telephone: (714) 564-6211

The procedures for filing and investigating a discrimination complaint can be found at rsccd.edu/discrimination.

Complaints involving administration, departments, faculty, or staff should contact the District office to address their concerns:

District Title IX Coordinator

2323 N Broadway Santa Ana, CA 92706

Telephone Number (714) 480-7489

Grievance Procedures For Students

Students may file a grievance when they believe they have been deprived of a right granted to students by the Board of Trustees in any of the policies or regulations of the Rancho Santiago Community College District by employees, students, or others. Discrimination and Harassment complaints will be addressed via the procedures outlined in Administrative Regulation 3435 (see above). The purpose of these grievance procedures is to resolve differences as fairly and expeditiously as possible while preserving the rights of students and staff members.

Procedure

Students shall first confer with the person who took the action or made the ruling to which they object no later than 10 days following the event which prompted the grievance. The appropriate administrator will assist the student in arranging an appointment between the student and the staff member

If the difference is not satisfactorily resolved, the student shall confer with the person's immediate supervisor. The appropriate administrator will assist in arranging the appointment between the student and the employee's supervisor.

If the grievance is still unresolved, the student may file a written statement setting forth the nature of the grievance on the Student Grievance Form with the Vice President of Student Services (or their designee) no later than thirty (30) days after conferring with the person's supervisor. The form should contain a description of the grievance including dates, times, pertinent facts, and the remedy sought by the student.

Upon receipt of the form, the Vice President of Student Services (or their designee) will send a Student Grievance Staff Response Form to both the staff member and the supervisor for completion within ten (10) days.

The Vice President of Student Services (or their designee) shall select a Student Grievance Panel*. The responsible administrator shall then forward the completed forms to the panel chair for review and recommendation. The panel shall have the power to make an appropriate investigation of the grievance and shall state its findings and make a recommendation.

If the grievance is sustained by the panel, it will recommend appropriate action for relief of the grievance and communicate this in writing to the person(s) to whom the grievance was directed. If the findings of the panel do not sustain the grievance, the panel shall communicate this finding in writing to the student who filed the grievance. The ruling of the Student Grievance Panel is final.

Student Grievance Panel Structure

One non-voting chair (except in situations of a tie vote)

One student representative

One classified representative

One faculty representative

One administrative representative

NOTE: In addition to the college-specific Student Grievance Procedures outlined above, the Rancho Santiago Community College District has adopted a process for the resolution of grievances which are outlined in Administrative Regulation 3435. This regulation provides a process that can be used by any member of the RSCCD community to resolve a discrimination concern. Details about this process are located at rsccd.edu/discrimination.

For assistance with any portion of this process, please feel free to contact the Office of the Vice President of Student Services at 714-564- 6085 or the Deputy Title IX Coordinator at 714-564-6211 during regular business hours.

Independent Study

Independent Study credit may be earned in any discipline. Transfer credit is designated as Independent Study 199; non-transfer credit is designated as Independent Study 099. These courses are offered on a credit/no credit basis. Independent Study projects are normally for one unit of credit and require a minimum of 54 hours of directed work per unit of credit. Within the 54-hour minimum, the instructor meets with each student on a weekly basis for at least one hour or a minimum of 18 hours for each one unit project. Independent Study may be repeated for credit for a maximum of three units. Recommended projects of more than one unit must have prior approval from the Vice President of Academic Affairs. The proposal is subject to prior approval by the supervising instructor and the division dean in order for the student to enroll in Independent Study 099 or 199. To be eligible for Independent Study, a student must be concurrently enrolled in at least one other class in the Rancho Santiago Community College District, with the exception of summer sessions. The student must also show evidence of competence in the academic major as well as the area in which independent study is proposed.

Open Enrollment

The policy of this district is that, unless specifically exempted by statute or regulation, every course, course section, or class, reported for state aid, wherever offered and maintained by the district, shall be fully open to enrollment and participation by any person who has been admitted to the college and who meets such prerequisites as may be established pursuant to regulations contained in Article 2.5 (commencing with Section 55200) of Sub Chapter 1 of Chapter 6 of Title 5 of the California Code of Regulations.

Military/Veteran

Dropping Classes and Accruing Debt

If a student veteran or dependent who is using benefits under Chapter 33 drops a class, it can have adverse consequences on the student's record. When the student drops a class after having attended and after the college already processes the VA payments, the college is responsible for paying the VA back for tuition and fees. Therefore, the student veteran will accrue a debt with Santa Ana College. If it is not settled with Cashiers, there will be a hold and the student will not be able to register for further classes until the debt is paid in full to Santa Ana College.

Military Withdrawals

Withdrawals due to military orders will not have adverse consequences. Admissions will use the following procedures:

- "MW" grade for compelled military withdrawal with annotated comment on transcript. (Military Withdrawal)
- Refund of enrollment, parking, and health fees.
- "MW" grade would not count in the progress probation calculation.
- Priority registration granted the first semester upon return.

Southern California Veterans Upward Bound (SoCalVUB) & Veteran Student Support Services Program (VSSS)

Veterans Upward Bound (VUB) at Santa Ana College is a free U.S. Department of Education TRIO program designed to help eligible U.S. military veterans and reservists enter and succeed in the postsecondary school of their choosing. VUB at Santa Ana College offers an 8 week refresher course in Math and English 5 times a year. Feel free to stop by our office in M-120 or call us at 714-564-6288.

Photography

Santa Ana College/Santiago Canyon -College, a non-profit California Community College, reserves the right to use photography and video images of students and visitors, age 18 and older, taken on our property and at college-sponsored events for marketing and promotional purposes. Objection to the use of an individual's photograph may be made in writing to Public Affairs and Publications, RSCCD District Office, 2323 N. Broadway, Suite 408, Santa Ana, CA 92706.

Probation

Probation – Dismissal

A student's academic standing is calculated and reviewed at the end of each fall and spring semester, based only on his/her SAC/SCC cumulative GPA. There are three categories of academic standing: probation, subject to dismissal, and dismissal.

Academic probation.

After attempting twelve or more units, a student is placed on probation when the SAC/SCC cumulative grade point average for all work attempted falls below 2.0. (W's are counted in the attempted units).

Progress probation.

A student who has attempted a total of twelve units will be placed on progress probation when the percentage of all units in which a student has enrolled and for which entries of "W", "I", and/or "NP" are recorded reaches or exceeds fifty percent.

Academic/Progress Probation Intervention

Students placed on academic/progress probation are informed by email and strongly recommended to connect with a counselor to create a strategy to resolve the probationary status.

Loss of Priority Registration

Academic probation.

Students who have two consecutive semesters with a Cumulative GPA below 2.0 will lose priority registration for the next registration period. Their registration date will be after all new applicants.

Progress probation.

Students are placed on progress probation when the percentage of coursework at SAC/SCC that has an entry of "W", "I", "NP", and "NC" reaches or exceeds fifty percent (50%) of the coursework attempted.

IMPORTANT NOTE: Registration priority shall be lost at the first registration opportunity after a student is placed on academic or progress probation or any combination thereof for two consecutive terms.

Student Right to Appeal

A student has the right to appeal an exception to a current Santa Ana College academic policy, including academic probation and progress probation. Student must complete and submit a Priority Registration & California College Promise Grant Appeal form. Appeal forms are available in the Admissions & Records office.

Removal From Probation

Academic probation. A student on academic/progress probation shall be removed from probation when the student's cumulative grade point average reaches 2.0 or higher.

Progress probation:

A student who has been placed on progress probation shall be removed from probation when the percentage of units for which entries of "W", "I", and/or "NP" falls below 50%.

Subject To Dismissal

A student's academic standing is calculated and reviewed at the end of fall and spring semester, based upon a SAC/SCC cumulative grade point average. Summer is not counted as it is considered a session because it is not a full semester. A student who is on academic probation shall be subject to dismissal if the student earned a SAC/SCC cumulative grade point average (GPA) of less than 2.0 in all units attempted in each of 2 consecutive semesters.

Dismissal

Academic dismissal. A student's academic standing is calculated and reviewed at the end of fall and spring semester, based upon a SAC/SCC cumulative grade point average. Summer is not counted as it is considered a session because it is not a full semester. A student who is on academic probation shall be dismissed if the student earned a SAC/SCC cumulative grade point average (GPA) of less than 2.0 in all units attempted in each of 3 consecutive semesters.

Progress dismissal. A student who has been placed on progress dismissal shall be dismissed when the percentage of units in which the student has enrolled and for which entries of "W," "I," and/or "NP" are recorded reaches or exceeds 50% for three consecutive semesters.

Dismissal after fall semester. A student may be given the academic standing of "Subject to Dismissal" at the end of fall semester when his/her SAC/SCC cumulative GPA falls below 2.0 after three consecutive semesters. The student is given the grace period of spring semester to remain in school. However, an academic hold is placed on the student record in April to prevent any further registrations until all grades have been reviewed at the end of spring semester. If the student achieves a 2.0 GPA for the spring semester, the student is allowed to remain at the college on probationary status, despite a SAC/SCC cumulative GPA of less than 2.0. If the 2.0 GPA for spring is NOT achieved, the student is academically dismissed. Students who are academically dismissed have a HOLD placed on their record and receive an email notifying them of their academically dismissed status (AD).

Petition for reinstatement after dismissal. A student may initiate the process at the end of the semester/session once final grades are posted by completing the Priority Registration & California Promise Grant Appeal Form. This form is available in the Admissions & Records Office and online on the Admissions & Records forms page. If the semester/session GPA is a 2.0 or better the student can appeal for Significant Academic Improvement. If the semester/session GPA is less than 2.0, the student should meet with a counselor and can submit a Petition for Exception to Academic Regulations to request reinstatement. A student may make alternative plans in cases involving a denied petition.

Consequence of academic dismissal. A student cannot register for classes at SAC or SCC for one full semester. When the student returns to SAC or SCC after "sitting out" one semester, the student returns on academic probation. In order to remain at SAC or SCC, the student must achieve a 2.0 semester GPA in the spring and fall semesters.

When a student is academically dismissed and the last semester GPA is less than 2.0, the student is denied reinstatement and may not enroll at SAC or SCC for one semester before enrolling to either college.

Remedial Course Limit

A student may complete a maximum of 30 semester units of basic skills remedial courses. Remedial courses include non-degree or pre-collegiate basic skills classes in math, English, reading, learning and study skills. A waiver is required beyond 30 units. Students must show a "C" or better or a 2.0 GPA in remedial courses to qualify for a waiver. Waiver forms are available in counseling.

Standards of Student Conduct

Guidelines for Student Conduct are set forth in the California Education Code, California Administrative Code, Title V, policies of the Board of Trustees (including BP/AR 3430 Prohibition of Harassment, and AR 3425 Title IX (9) Sexual Harassment), and all civil and criminal codes. Students enrolling in district educational programs assume an obligation to obey state law and district rules and regulations governing the conduct of students. Students who enroll in those instructional programs in which the college has affiliations with various outside associations must comply with the

college's policies and procedures and also with the outside associations' policies and procedures. This includes but is not limited to students enrolled in the programs of Fire Academies, Criminal Justice Academies and Nursing.

Guidelines For Student Conduct

The following conduct shall constitute good cause for discipline, including but not limited to the removal, suspension, or expulsion of a student, except for conduct that constitutes sexual harassment under Title IX, which shall be addressed under Interim AR 3425 Title IX (9) Sexual Harassment (Interim).

A. Dishonesty, cheating, plagiarism, lying, or knowingly furnishing false information to the district or a college official performing their duties.

B. Forgery, alteration, or misuse of district documents, records, or identification.

C. Causing or attempting to cause damage to any real or personal property owned by the district or district employees (damage includes, but not limited to vandalism, such as cutting, defacing, breaking, etc.)

D. Obstruction or disruption of pedestrian or vehicular traffic or of teaching, research, administration, or of other district activities on or off district premises. This includes obstruction or disruption of administration, disciplinary procedures or authorized college activities.

E. Causing, attempting to cause, or threatening to cause physical injury to another person. Or any threat of force or violence upon a student, college personnel, or campus visitor.

F. Willful misconduct which results in injury or death to a student, college personnel or campus visitor or which results in cutting, defacing, or other injury to any real or personal property owned by the district. This includes fighting on district property or at a district sponsored event, on or off district premises.

G. Detention of any person on district-owned or controlled property or at district sponsored or supervised functions or other conduct which threatens or endangers the health or safety of another.

H. Stealing or attempting to steal district property or private property on campus, or knowingly receiving stolen district or private property on campus.

I. Unauthorized entry into or unauthorized use of district property, supplies, equipment, and/or facilities.

J. Misrepresentation of oneself or of an organization to be an agent of the district or failure to identify oneself to, or comply with the directions of a district official, policy, or other public official when requested to do so; or resisting or obstructing such district or other officials in the performance of, or the attempt to, perform their duties.

K. Sexual assault or physical abuse, including rape, forced sodomy, forced oral copulation, rape by a foreign object, sexual battery, sexual coercion, or threat or assault, of any conduct that threatens the health and safety of the alleged victim, which includes students, college personnel or campus visitors.

L. Dating violence, defined as violence committed, on the basis of sex, by a person who is or has been in a social relationship of a romantic or intimate nature with the Complainant. The existence of such a relationship shall be determined based on a consideration of the following factors: length of the relationship, the type of relationship and the frequency of interaction between the persons involved in the relationship. For the purposes of this definition, dating violence includes, but is not limited to, sexual or physical abuse or the threat of such abuse. Dating violence does not include acts covered under the definition of domestic violence.

M. Domestic violence, defined as conduct, on the basis of sex, that includes the requisite components of felony or misdemeanor crimes of violence committed by (a) a current or former spouse or intimate partner of the victim; (b) a person with whom the victim shares a child in common; (c) a person who is cohabitating with or has cohabitated with the victim as a spouses; (d) a person similarly situated to a spouse of the victim under California law; or (e) any other person against an adult or youth victim who is protected from that person's acts under California law.

N. Stalking, defined as a course of conduct directed at a specific person on the basis of sex that would cause a reasonable person to fear for the person's safety or the safety of others, or to suffer substantial emotional distress. For the purposes of this definition: (a) a course of conduct is two or more acts, including, but not limited to, acts in which the Respondent directly, indirectly, or through third parties, by any action, method, device, or means, follows, monitors, observes, surveils, threatens, or communicates to or about a person, or interferes with a person's property; (b) reasonable person means a reasonable person under similar circumstances and with similar identities to the Complainant; and (c) substantial emotional distress means significant mental suffering or anguish that may but does not necessarily require medical or other professional treatment or counseling.

O. Sexual exploitation defined as an act or acts committed through non-consensual abuse or exploitation of another person's sexuality for the purpose of sexual gratification, financial gain, personal benefit or advantage, or any other nonlegitimate purpose. Some examples are prostituting another person; recording images; viewing or distributing images of an individual's sexual activity, body parts, or nakedness; and inducing incapacitation for the purpose of making another person vulnerable to non-consensual sexual activity.

P. Use, unlawful possession, distribution, furnishing or being under the influence of alcoholic beverage or an intoxicant of any kind on district property or at any district sponsored event.

Q. Use, unlawful possession, distribution, furnishing, or being under the influence of any controlled substance listed in California Health and Safety Code Sections 11053 et seq. or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Sections 11014.5.

R. Engaging in expression which is libelous, slanderous, obscene (according to current legal standards) or which incites students so as to create a clear and present danger of commission of unlawful acts on district premises, or violation of district regulations, or the substantial disruption of the orderly operation of the college.

S. Possession, sale, use or otherwise furnishing any firearm, knife, explosive, or other dangerous object, including but not limited to any facsimile firearms, knife or explosive. Exceptions include those participating in a criminal justice educational program who are authorized such possession or those who are enrolled in a course which authorizes such possession.

T. Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any district policy or administrative regulation.

U. Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race, ethnicity, religion, age, sexual orientation or any other status protected by law. Harassment does not include conduct protected by the First Amendment.

V. Disruptive behavior, willful disobedience, harassment, stalking, habitual profanity or vulgarity, open and persistent abuse of college

personnel, or open and persistent defiance of the authority of college personnel.

W. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the Board of Trustees.

X. Violation of the Computer Usage Policy applies to students using computer classrooms, computer labs, the wireless network or other locations on and off district property. A violation is considered any of the following:

a. Accessing with or without permission, or causing to be accessed without authorization, altering, damaging, deleting, hacking, destroying, or otherwise using any data, computer, computer system, computer software and programs, or computer network belonging to or used by the college or any member of the district.

b. Accessing with or without permission, taking, copying, or making use of any data from a computer, computer system, or computer network, or taking or copying any supporting documentation, whether existing or residing internal or external to a computer, computer system, or computer network belonging to or used by the college or district.

c. Using or causing to be used, computer services without permission.

d. Disrupting or causing the disruption of computer services or denying or causing the denial of computer services to an authorized user of a computer, computer system or computer network belonging to or used by the college or district.

e. Introducing any computer contaminant or virus into any computer, computer system or computer network belonging to the college or district.

f. Sending any message using any computer system or network without authorization or sending any message in the name of another person or entity.

g. Using any account or password without authorization.

h. Allowing or causing an account number or password to be used by any other person without authorization.

i. Accessing or causing to be accessed, downloading or causing to be downloaded, pornographic or obscene materials except when accessing such material which is part of the instruction process or assignment for a class in which the student is currently enrolled.

j. Use of systems or networks for personal commercial purposes.

k. “Cyberstalking” which is to be understood as any use of the college or district computer system, computer network, or computer programs to stalk another person via excessive messages or inquiries, inappropriate or threatening messages, racially motivated communications, photos or other means of communication.

Y. Deliberately making false and/or malicious accusations against a member of the campus community. This does not include allegations that are made in good faith but are ultimately shown to be erroneous or do not result in a policy violation determination.

Z. Any act constituting good cause for suspension, expulsion or violation of district policies or campus regulations, including AR 3425 Title IX (9) Sexual Harassment. Students who engage in any of the above are subject to the procedures outlined in AR 5520 Student Discipline Procedures.

To view the entire Administrative Regulation 5500 Standards of Student Conduct, please view it at: rsccd.edu/studentconduct.

Procedures for Student Grievances Regarding Grades Education Code 76224 states:

(a) When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student’s grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetency, shall be final.

Procedure

Student shall meet with the instructor to discuss the grade.

If the issue is not resolved and the student believes that the grade is based on a mistake, fraud, bad faith, or incompetency, (EC 76224), he/she may appeal in writing to the Division Dean. Such an appeal must be made within a one year period following the semester which the grade was assigned.

Forms for the written appeal may be found in any divisional Dean’s office.

The student may be requested to set-up an appointment with the appropriate Division Dean to discuss the written grievance.

The appropriate Division Dean will review the allegations and consult with the instructor.

The Division Dean will review the issue and will notify the student and instructor in writing of his/her decision.

The decision of the Division Dean is final.

Transportation

Some classes may be conducted off campus. Unless students are specifically advised otherwise, they are responsible for arranging their own transportation to and from the class site. I understand that although the District may recommend travel time and/or routes to and/or from this event, that such recommendations are not mandatory and do not in any way constitute District sponsorship of the transportation. The district assumes no liability or responsibility for the transportation and persons driving personal vehicles are not acting as agents of or on behalf of the District.

Transfer Credit

Santa Ana College will give credit for college units earned at another regionally accredited college or university. In order for transfer units to be applied towards a petition for degree or transfer certification, all official transcripts from other colleges must be on file in Admissions office.

Unit of Credit

A unit of college credit represents three hours of student time each week for a semester; one hour of scheduled classroom lecture and two hours in outside preparation. A longer time is scheduled for laboratory courses since more of the work is done in the classroom. One full quarter unit is equal to two-thirds of a semester unit.
Registered Sex Offender Information

Sex offenders are required to register with the police in the jurisdiction in which they reside. If they are students at institutions of higher learning or if they work there as employees, contractors, or volunteers, the registrant must register with the local law enforcement agency having jurisdiction over the campus/institution.

Wait List Policy

You are not able to Wait List more than one section per course. You cannot Wait List a course that will conflict with another course. As seats become available, eligible students will be moved into an open seat. You will be notified by email (it is your responsibility to make sure that your e-mail is up-to-date) and will have 3 calendar days to pay for the course or you may be dropped. If your name remains on the Wait List, you must obtain the instructor’s add authorization to add the course during the add period (Log in to Self-Service often to check your status on the wait list).

Certificates and Degrees Offered at SAC

For each of the Programs of Study identified below, Santa Ana College currently offers the number of degrees and certificates as noted. For further information regarding the specific type of degree or certificate, please refer to the "Instructional Programs" section of this catalog.

Program of Study	BA Bachelor of Arts	BS Bachelor of Science	AA Associate of Arts	AA-T Associate of Arts for Transfer	AS Associate of Science	AS-T Associate of Arts for Transfer	Certificate of Achievement	Certificate of Proficiency
Accounting					2		7	3
American Sign Language			1				1	
Anthropology			1	1				
Art			2	2			1	
Automotive Technology		1			2		13	
Biology					2	1	4	
Business Administration			1			1		
Business Applications			3		5		13	
Cal-GETC (Plan 2)							1	
Chemistry					1	1		
Child Development			3	1		1	8	
Child Development - Apprenticeship							1	
Communication Studies			1	1			1	
Computer Science					5	1	11	4
Counseling			1	1				
Criminal Justice					1	1	1	1
Criminal Justice Academies					1		1	
Dance			1				7	
Diesel Electric Transportation Technology					2		2	2
Digital Media			1			1	9	1
Earth Science			1					
Economics			1	1				
Education			1	2			2	
Engineering					6		6	2
English			1	1				
Entrepreneurship			1				1	
Ethnic Studies			3					
Fashion Design Merchandising			3				5	2
Fire Academy					4		3	1
Geography			1	1				

Program of Study	BA Bachelor of Arts	BS Bachelor of Science	AA Associate of Arts	AA-T Associate of Arts for Transfer	AS Associate of Science	AS-T Associate of Arts for Transfer	Certificate of Achievement	Certificate of Proficiency
Geology					1	1		
History			1	1				
International Business			1				2	
Journalism and Media Studies			2	1			5	
Kinesiology			1	1			1	1
Legal Studies				1			4	
Liberal Arts			6					
Library Technology			1		1		2	
Management					3		4	
Manufacturing Technology					5		7	1
Marketing			1				2	
Mathematics					1	1		
Medical Assistant					1		1	
Modern Languages			1					
Music			1	1			1	
Nursing					2			
Nutrition and Food					1	2	4	
Occupational Studies		1						
Occupational Therapy Assistant					1			
Paralegal	1		1				1	
Pharmacy Technology					1		2	
Philosophy			1	1				
Photography			1				2	
Physics					1	1		
Political Science			1	1				
Psychology			1	1				
Science					2			
Sociology			1	1			1	
Spanish				1				
Speech-Language Pathology Assistant					1			
Theater Arts			2	1			9	
Welding Technology					1		5	
Women's Studies			1					

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Guided Pathways

Since 2017 Santa Ana College has participated in the California Guided Pathways Project. Guided Pathways focuses on implementing an integrated, institution-wide approach to student success by creating structured educational experiences that support each student from point of entry to attainment of high-quality postsecondary credentials and careers.

The Guided Pathways framework creates a highly structured approach to student success that provides all students with a set of clear course taking patterns to promote better enrollment decisions and prepare students for future success. Guided Pathways is aimed at helping students reach their career and educational goals by creating highly structured, unambiguous road maps that will lead to a defined objective. As an ongoing project of self-evaluation and institutional improvement our college uses the Guided Pathways framework to improve student achievement and transfer, cut down on the total number of units while earning a degree, increase career certifications and eliminate achievement gaps.

The Guided Pathways framework rests on four pillars:

Pillar I: Clarify the Path

Provide clear curricular pathways to employment and future education. Establish transfer pathways through alignment of pathway courses and expected learning outcomes with transfer institutions to optimize the applicability of community college credits to university majors.

Pillar II: Enter the Path

Help students choose and enter their pathway by offering onboarding experiences for incoming students, such as Early Decision and SACDAYS. Provide comprehensive educational plans through the counseling department and academic support courses for transfer-level Math and English.

Pillar III: Stay on the Path

Help students stay on their path by providing academic and non-academic support throughout their programs to promote student learning and persistence.

Pillar IV: Ensure Learning

Ensure that learning is happening with intentional outcomes. Establish program-level learning outcomes aligned with the requirements for success in employment and further education in each field. Apply the results of learning outcomes assessment to improve the effectiveness of instruction across programs.

Career & Academic Pathways (CAPs):

Santa Ana College (SAC)'s academic programs are organized into eight pathways. The Career & Academic Pathways provide clear steps to achieve your goals at SAC. Each path includes a curated educational plan and access to support services, making it easier to get the help you need throughout your SAC experience.

Creating Our World:
Art, Media & Performance
Careers: Graphic Designer, Filmmaker, Performer

Design, Make & Move:
Automotive, Manufacturing & Engineering Technology
Careers: Automotive Technician, Manufacturing Engineer

Money Matters:
Business & Paralegal
Careers: Business Manager, Accountant, Paralegal

Future Educators:
Child Development, Teaching & Library Technology
Careers: Early Childhood Educator, Teacher, Librarian

STEM:
Computers, Math & Science
Careers: Software Developer, Biologist, Chemist

People, Ideas & Culture:
Humanities, Social Sciences & Languages
Careers: Social Worker, Psychologist, Historian

Helping Others:
Public Health & Safety Services
Careers: Nurse, Firefighter, Police Officer

Building Bridges:
Continuing Education
English as a Second Language (ESL): Learn English for work, school, and everyday communication!
High School Programs: Earn your High School Diploma or GED/ HiSET Equivalency Certificate.
American Citizenship: Prepare for your citizenship 34014 exam and interview.

CAP / Discipline / Program	Award Type	
Creating Our World		
Art, Media & Performance		
ART		
Studio Arts	**AA-T**	
Art	**AA**	
Graphic Design	**AA**	
Commercial Art Mural & Illustration	**CA**	
BUSINESS APPLICATIONS & TECHNOLOGY		
Digital Publishing	**AA**	**CA**
Digital Design for Business	**CA**	
DANCE		
Dance	**AA**	**CA**
Commercial Dance	**CA**	
Introduction to Commercial Dance - Level I Series	**CA**	
Introduction to Commercial Dance - Level II Series	**CA**	
Introduction to Dance - Level I Series	**CA**	
Introduction to Dance - Level II Series	**CA**	
Screendance	**CA**	
DIGITAL MEDIA		
Film, Television and Electronic Media	**AS-T**	
Digital Media Arts	**AA**	
Agency Film Production	**CA**	

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CAP / Discipline / Program	Award Type	
Animation for Commercial Applications	**CA**	
Broadcast Journalism	**CA**	
Digital Media Arts - Production Artist	**CA**	
Digital Media Arts - UX Design	**CA**	
Drone Cinematography	**CA**	
Narrative Film Production	**CA**	
Screenwriting	**CA**	
Television Production	**CA**	
Graphic Arts	**CP**	
FASHION DESIGN AND MERCHANDISING		
Apparel Product Development and Technical Design	**AA**	
Fashion Design	**AA**	**CA**
3D Fashion Design	**CA**	
Apparel Product Development and Technical Design	**CA**	
Dressmaking and Alterations Option	**CA**	
Screen Printing and Embroidery	**CP**	
Swimwear Design	**CP**	
JOURNALISM AND MEDIA STUDIES		
Journalism	**AA-T**	
Broadcast Journalism	**AA**	
Journalism and Media Studies	**AA**	**CA**
Media Theory	**CA**	
Multimedia Journalism	**CA**	
Public Relations	**CA**	
Writing for Media	**CA**	
MUSIC		
Music	**AA-T**	**AA**
Digital Music Production	**CA**	
PHOTOGRAPHY		
Photography	**AA**	
Commercial Photography	**CA**	
Photojournalism	**CA**	

CAP / Discipline / Program	Award Type	
THEATRE ARTS		
Theatre Arts	**AA-T**	
Theatre Arts - Technical Theatre	**AA**	
Theatre Arts - Theatre Performance	**AA**	
Costume Design and Technology	**CA**	
Lighting Design and Technology	**CA**	
Musical Theatre Teaching	**CA**	
Musical Theatre Teaching - Acting Emphasis	**CA**	
Musical Theatre Teaching - Dance Emphasis	**CA**	
Musical Theatre Teaching - Music Emphasis	**CA**	
Performance Emphasis	**CA**	
Screen Performance	**CA**	
Technical Theatre	**CA**	
Design, Make & Move		
Automotive, Manufacturing & Engineering Technology		
AUTOMOTIVE TECHNOLOGY		
Automotive Technology	**BS**	**AS**
Mopar Automotive Technician	**AS**	
Alternative Powertrain Technology	**CA**	
Automotive Essentials	**CA**	
Chassis Service Option	**CA**	
Drive Train Service Option	**CA**	
Electric/Hybrid Vehicle Technician	**CA**	
Engine Performance and Electrical Option	**CA**	
Engine Performance Option	**CA**	
Engine Service Option	**CA**	
Mopar Advanced Systems	**CA**	
Mopar Drivability Systems	**CA**	
Mopar Fundamentals	**CA**	
Mopar Mechanical Systems	**CA**	
Mopar Service Technician	**CA**	

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CAP / Discipline / Program	Award Type	
ENGINEERING		
Engineering CAD Drafting	**AS**	**CA**
Engineering Civil Drafting and Design	**AS**	**CA**
Engineering Civil Technology	**AS**	**CA**
Engineering Mechanical Drafting and Design	**AS**	**CA**
Engineering Mechatronics	**AS**	**CA**
Engineering STEM Core	**CA**	
Engineering AutoCAD 2D Basics	**CP**	
Engineering Mechanical 3D Solid Modeling CAD	**CP**	
DIESEL ELECTRIC TRANSPORTATION TECHNOLOGY		
Electric Heavy-Duty Vehicles	**AS**	
Electric Heavy-Duty Vehicle Service	**CA**	
Transit Bus Maintenance	**CP**	
Transport Refrigeration/Temperature Control	**CP**	
MANUFACTURING TECHNOLOGY		
CNC Lathe Set Up and Operation	**AS**	**CA**
CNC Machine Set Up and Operation	**AS**	**CA**
CNC Programmer Mastercam	**AS**	**CA**
Conventional Machining Option	**AS**	**CA**
CNC Milling Machine Set Up and Operation	**CA**	
Medical Device Quality Assurance	**CA**	
Quality Control and Inspection	**CA**	
3D Solid Modeling for Manufacturing	**CP**	
WELDING		
Welding Technology	**AS**	
Alternative Welding Processes	**CA**	
Gas Tungsten Arc Welding	**CA**	
Welding Technology Certificate	**CA**	
Welding Technology - Pipe Welding	**CA**	
Welding Technology - Structural Steel	**CA**	

CAP / Discipline / Program	Award Type	
MONEY MATTERS		
Business & Paralegal		
ACCOUNTING		
Accounting	**AS**	**CA**
Banking & Finance	**AS**	**CA**
Certificate of Professional Accounting - Accounting Study & Ethics	**CA**	
Certificate of Professional Accounting - Accounting Subjects	**CA**	
Certificate of Professional Accounting - Business Subjects	**CA**	
QuickBooks Accounting	**CA**	
QuickBooks Bookkeeping	**CA**	
Accounting and Financial Planning	**CP**	
Enrolled Agent	**CP**	
Tax Preparer	**CP**	
BUSINESS ADMINISTRATION		
Business Administration 2.0	**AS-T**	
Business Administration	**AA**	
BUSINESS APPLICATIONS & TECHNOLOGY		
Artificial Intelligence (AI) For Business	**AS**	**CA**
Business Applications and Technology	**AS**	**CA**
Microsoft Office Professional	**AA**	**CA**
Office Management	**AA**	**CA**
Adobe Applications for Business	**CA**	
Adobe Web Projects for Business	**CA**	
Computer Fundamentals for Business	**CA**	
Drone Technology	**CA**	
Remote Technology for Virtual Professionals	**CA**	
ENTREPRENEURSHIP		
Entrepreneurship and Small Business	**AA**	**CA**
FASHION DESIGN AND MERCHANDISING		
Fashion Merchandising	**AA**	

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CAP / Discipline / Program	Award Type	
INTERNATIONAL BUSINESS		
International Business	**AA**	**CA**
Survey of International Business	**CA**	
LEGAL STUDIES		
Law, Public Policy and Society	**AA-T**	
Legal Office Interpreting Spanish	**CA**	
Legal Office Interpreting Vietnamese	**CA**	
Legal Office Technician	**CA**	
Pathway to Law School	**CA**	
LIBERAL ARTS		
Liberal Arts - Business and Technology Emphasis	**AA**	
MANAGEMENT		
Human Resources Management	**AS**	**CA**
Management	**AS**	**CA**
Retail Management	**AS**	**CA**
Leadership	**CA**	
MARKETING		
Marketing	**AA**	**CA**
Digital Marketing Specialist	**CA**	
NUTRITION & FOODS		
Advanced Culinary Arts	**CA**	
Culinary Arts Foundation	**CA**	
Culinary Nutrition	**CA**	
Hospitality Foundation	**CA**	
PARALEGAL		
Paralegal Studies	**BA**	
Paralegal	**AA**	**CA**
FUTURE EDUCATORS		
Child Development, Teaching & Library Technology		
CHILD DEVELOPMENT		
Early Childhood Education	**AS-T**	
Child and Adolescent Development	**AA-T**	
Child Development - Emphasis in Early Childhood Education Teacher Preparation	**AA**	
Child Care Administration and Leadership	**CA**	
Early Childhood Education Teacher	**CA**	
Infant and Toddler Education and Development	**CA**	
STEAM (Science, Technology, Engineering, Arts, Math) Certificate for Early Childhood Educators	**CA**	
Support for Students with Disabilities or Delays	**CA**	
Trauma Informed Practices in Education	**CA**	
EDUCATION		
Elementary Teacher Education	**AA-T**	
Elementary Teacher Education Integrated Programs	**AA-T**	
Elementary Teacher Preparation (Pre-Professional)	**AA**	
Expanded Learning and Recreation Program Leader	**CA**	
Secondary Education (Pre-Professional)	**CA**	
LIBRARY TECHNOLOGY		
Archives and Digital Collections	**AS**	**CA**
Library Technology	**AA**	**CA**
STEM		
Computers, Math & Science		
BIOLOGY		
Biology	**AS-T**	
Biotechnology	**AS**	
Biotechnology Biomanufacturing Technician	**CA**	
Biotechnology Lab Assistant	**CA**	
Biotechnology Laboratory Technician	**CA**	
QC/QA Microbiology Technician	**CA**	
CHEMISTRY		
Chemistry	**AS-T**	**AS**
COMPUTER SCIENCE		
Computer Science AS-T	**AS**	**CA**
Computer Information Systems	**AS**	**CA**
Data Analytics	**AS**	**CA**
Database Management Systems	**AS**	
Machine Learning	**AS**	
Artificial Intelligence	**CA**	

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CAP / Discipline / Program	Award Type	
Backend Engineering	**CA**	
Fullstack Web Developer	**CA**	
IT Desktop and Server Operations	**CA**	
IT Network and Security Operations	**CA**	
IT Support Specialist	**CA**	
Java Programming	**CA**	
Python Programming	**CA**	
Database	**CP**	
Enterprise Systems	**CP**	
Programming	**CP**	
Web Site Development	**CP**	
EARTH SCIENCE		
Earth Science	**AA**	
ENGINEERING		
Engineering	**AS**	
GEOLOGY		
Geology	**AS-T**	**AS**
LIBERAL ARTS		
Mathematics and Science Emphasis	**AA**	
MATHEMATICS		
Mathematics 2.0	**AS-T**	
Mathematics	**AS**	
PHYSICS		
Physics 2.0	**AS-T**	
Physics		**AS**
SCIENCE		
Science Degree - Astronomy Emphasis	**AS**	
Science Degree - General Science Emphasis	**AS**	

CAP / Discipline / Program	Award Type	
PEOPLE, IDEAS & CULTURE		
Humanities, Social Sciences & Languages		
AMERICAN SIGN LANGUAGE		
Introduction to ASL - English Interpreting	**AA**	
American Sign Language	**CA**	
ANTHROPOLOGY		
Anthropology	**AA-T**	**AA**
ART		
Art History	**AA-T**	
BUSINESS APPLICATIONS		
Spanish / English Interpretation and Translation	**AS**	**CA**
Vietnamese / English Interpretation and Translation	**AS**	**CA**
COMMUNICATION STUDIES		
Communication Studies 2.0	**AA-T**	
Communication Studies	**AA**	**CA**
COUNSELING		
Social Work and Human Services	**AA-T**	
Human Services	**AA**	
ECONOMICS		
Economics	**AA-T**	**AA**
ENGLISH		
English	**AA-T**	**AA**
ETHNIC STUDIES		
Black Studies	**AA**	
Chicana/Chicano Studies	**AA**	
Ethnic Studies	**AA**	
GEOGRAPHY		
Geography	**AA-T**	**AA**
HISTORY		
History	**AA-T**	**AA**
LEGAL STUDIES		
Law, Public Policy and Society	**AA-T**	
Pathway to Law School	**CA**	

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CAP / Discipline / Program	Award Type	
LIBERAL ARTS		
American Studies Emphasis	**AA**	
Arts, Humanities and Communications Emphasis	**AA**	
Social and Behavioral Sciences Emphasis	**AA**	
MODERN LANGUAGES		
Modern Languages	**AA**	
PHILOSOPHY		
Philosophy	**AA-T**	**AA**
POLITICAL SCIENCE		
Political Science	**AA-T**	**AA**
PSYCHOLOGY		
Psychology	**AA-T**	
SOCIOLOGY		
Sociology	**AA-T**	
SPANISH		
Spanish	**AA-T**	
WOMEN'S STUDIES		
Women's Studies	**AA**	
HELPING OTHERS		
Public Health & Safety Services		
CRIMINAL JUSTICE		
Administration of Justice	**AS-T**	
Law Enforcement Option	**CA**	
Corrections Officer Program	**CP**	
CRIMINAL JUSTICE ACADEMIES		
Modern Policing	**AS**	
Basic Law Enforcement Academy	**CA**	
FIRE TECHNOLOGY		
Administrative Fire Services Chief Officer	**AS**	
Fire Administration Option	**AS**	
Fire Prevention Officer	**AS**	
Fire Administration Option	**CA**	
Fire Prevention Officer	**CA**	
Public Fire Service Option	**CA**	
Fire Service Core Competencies	**CP**	
KINESIOLOGY		
Kinesiology	**AA-T**	**AA**
Fitness Specialist	**CA**	
Kinesiology Sports Medicine	**CP**	
LIBERAL ARTS		
Kinesiology and Wellness Emphasis	**AA**	
MEDICAL ASSISTANT		
Medical Assistant - Administrative / Clinical	**AS**	**CA**
NURSING		
Nursing Degree Pre-Nursing for the Bachelor's Degree in Nursing	**AS**	
Nursing-Registered Nursing	**AS**	
NUTRITION & FOODS		
Hospitality Management	**AS-T**	
Nutrition and Dietetics	**AS-T**	**AS**
OCCUPATIONAL STUDIES		
Occupational Studies	**BS**	
OCCUPATIONAL THERAPY ASSISTANT		
Occupational Therapy Assistant	**AS**	
PHARMACY TECHNOLOGY		
Pharmacy Technology	**AS**	
Pharmacy Technology Advanced Option	**CA**	
Pharmacy Technology Basic Option	**CA**	
SPEECH-LANGUAGE PATHOLOGY ASSISTANT		
Speech-Language Pathology Assistant	**AS**	

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CERTIFICATES

Certificates of Achievement

A Certificate of Achievement (16 or more units or state approved under 16 units) is a verification of achievement in a particular academic or occupational area, and it will be included on the official transcript. Certificate programs normally include only those courses which have a direct bearing upon specialized occupational competency since the certificate has the sole objective of immediate employment in a specialized area. For this reason there is no general education requirement in a certificate program. Santa Ana College certificate of achievement programs are described in the catalog section on College Credit Instructional Programs. To qualify for a certificate, a candidate must meet the following requirements:

Courses: Courses are designated for the specific certificate.

Grades: At least a C grade in each course required for the certificate, unless otherwise specified. Credit by Examination may also be used to gain credit for required courses.

Pass/No Pass: A pass/no pass course is acceptable toward the certificate if it is required for the certificate and (a) offered on a pass/no pass basis only or (b) if the pass/no pass is earned on the basis of credit by examination.

Residency: At least 20% of the total units required for the certificate must be completed at Santa Ana College. For an apprenticeship certificate (only), registered apprentices must complete at least two terms or a minimum of two courses of an approved registered apprenticeship program at Santa Ana College or Santiago Canyon College with a grade of "C" or better.

Petition: Petition for certificate filed by the student with the Office of Admissions and Records at Santa Ana College.

Certificates of Proficiency

A Certificate of Proficiency is under 18 units and/or is not a state approved program. A certificate is verification of completion in a particular subject matter. A certificate will NOT be included on the official transcript.

Certificate programs include only those courses which focus on vocational skills. The certificate has the sole objective of employment in a specialized area, and for this reason there are no general education requirements in a certificate program. Santa Ana College certificate programs are described in the catalog section on College Credit Instructional Programs. At least 20% of the total units required for the certificate must be completed at Santa Ana College.

DEGREES

Baccalaureate of Science/Arts Degree (BS/BA)

Graduation Requirements for Baccalaureate Degrees

Graduation requirements for a Baccalaureate Degree are prescribed by the California Community Colleges Board of Governors, Accrediting Commission for Community and Junior Colleges, Title 5, and the Rancho Santiago Community College District Board of Trustees. Specifications are based upon recommendations by the Academic Senate of California Community Colleges. A Baccalaureate Degree may be earned upon satisfactory completion of all of the following:

A. Total Unit Requirement

Complete a combination of lower-division and upper division coursework to total a minimum of 120 semester units to include the following:

a. Lower-division major and general education courses, to include a minimum of 18 semester units of lower division major requirements.

Lower-division courses acceptable toward a baccalaureate degree are designated as CSU or UC transferable or determined to be at the baccalaureate level.

Lower-division courses from institutionally accredited institutions (that meet district standards of rigor) will be reviewed by a Career Education counselor and graduation specialist to determine baccalaureate credit based on course description, comparable content, appropriate prerequisites, or C-ID number.

International courses will be evaluated for baccalaureate major requirements only when course descriptions are submitted in English, along with a transcript evaluated by an approved foreign transcript service.

b. A minimum of forty (40) semester units of upper-division coursework, including units in the major and in general education.

Rancho Santiago Community College District courses designated as upper-division are applicable only to a baccalaureate degree and may not be used to satisfy associate degree requirements.

A lower division course may meet an upper division course requirement but may not be counted toward the required minimum number of upper division units.

B. General Education Requirements

All students are required to complete a minimum of 36 semester units of General Education.

Students may choose to complete a or b, and must also complete c:

a. California General Education Transfer Curriculum (Cal-GETC, Plan 2). The CSU-GE Breadth pattern (Plan B) or IGETC pattern (Plan C) may be used in some cases. Please see a counselor for details.

OR

b. Santa Ana College Associate Degree General Education (GE) Requirements (Plan 1) with coursework completed from Plan 1 to total a minimum of 27 semester units. Note that Plan 1 consists of a minimum of 24 units so additional Plan 1 coursework may be needed to reach 27 units. (In some cases, additional general education units may be applied from upper division courses, completed beyond the 9 unit degree minimum. See a SAC counselor for information.)

NOTE: Previously completed lower-division general education courses will be evaluated according to the SAC associate degree GE or Cal-GETC (or CSU-GE or IGETC for those who qualify) guidelines. Students enrolled in the baccalaureate program who have not completed the SAC associate degree GE (Plan 1) or Cal-GETC (or CSU-GE or IGETC for those who qualify) pattern must complete any remaining GE areas of the pattern.

AND

c. A minimum of nine (9) units of upper division general education coursework.

d. Students who have been awarded a bachelor's degree from an institutionally accredited institution shall be deemed to have fulfilled the general education course requirements for the baccalaureate degree.

e. Courses may meet multiple requirements, including general education, a major, and additional requirements when courses are approved to meet multiple requirements. However, one course may not be counted in more than one general education area, even if the course approved is in multiple general education areas.

C. Major Requirements

All students must take required upper division major courses as specified by the major department and earn a grade of "C" or better or Pass ("P") in each course. Students should review specific major admissions requirements and prerequisites in the program descriptions area of the catalog for more detail.

D. GPA Requirement

Requirements for the baccalaureate degree must be completed with a minimum cumulative grade point average of 2.0 in the degree applicable courses. If units accumulated beyond those required for the degree lower a student's cumulative grade point average below 2.0, the grade point average may be computed based solely on those courses used to satisfy the degree requirements, provided that the coursework used to compute the grade point average fulfills all major and general education requirements.

E. Residence Requirements

At least 12 units of upper division coursework must be completed at Santa Ana College or Santiago Canyon College or a combination of the two. A student may request a waiver of this requirement in cases of undue hardship.

Associate Degree for Transfer (ADT)

In addition to traditional associate degrees (AA or AS), California Community Colleges offer Associate Degrees for Transfer (ADT) to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California community college students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses. Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units. Santa Ana College offers numerous AA-T and AS-T degrees. Meet with a SAC counselor to find out which CSU campuses accept each degree. icangotocollege provides additional information. Many private California colleges and universities also accept these degrees. **An AA-T or AS-T degree may not always be the best option for students intending to transfer to a particular CSU campus, or to a university or college that is not part of the CSU system.** Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

Requirements for all Associate Degrees for Transfer

60 semester or 90 quarter CSU transferable units. At least 12 of the units must be earned at Santa Ana College, Santiago Canyon College, or a combination of the two.

A minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college (see Instructional Programs portion of the catalog).

Obtainment of a minimum grade point average (GPA) of 2.0. (Some majors may require a higher GPA for transfer admission.)

Earn a grade of C or better (C minus is not acceptable) or Pass in all courses required for the major or area of emphasis. A grade of Pass must be equivalent to a grade of C or higher.

The California General Education Transfer Curriculum (Cal-GETC, Plan 2). The CSU GE (California State University General Education Breadth, Plan B) or IGETC (Intersegmental General Education Transfer Curriculum, Plan C) pattern may be used in some cases; please see a counselor for details.

Santa Ana College currently offers the following Associate in Arts and Associate in Science for Transfer Degrees:

Administration of Justice
Anthropology
Art History
Biology
Business Administration 2.0
Chemistry
Child and Adolescent Development
Communication Studies 2.0
Computer Science
Early Childhood Education
Economics
Elementary Teacher Education
Elementary Teacher Education: Integrated Programs
English
Film, Television and Electronic Media
Geography
Geology
History
Hospitality Management
Journalism
Kinesiology
Law, Public Policy, and Society
Mathematics 2.0
Music
Nutrition and Dietetics
Philosophy
Physics 2.0
Political Science
Psychology
Public Health Science (prior to F '24)
Social Work and Human Services
Sociology
Spanish
Studio Arts
Theatre Arts

See the Instructional Programs Section in this catalog for major requirements.

Course Substitutions and Reciprocity, Policy and Procedures For ADTs

Students who have completed courses at another California community college, a regionally accredited institution and/or completed an external exam such as AP, CLEP, or IB may apply the coursework or exam results toward AA-T/AS-T major requirements as follows:

1. A course with a C-ID designation which is completed at another California community college will be substituted for a SAC course that meets an Associate Degree for Transfer (ADT) major requirement designated with the same C-ID number. SAC departmental approval is not required.
2. A course without a C-ID designation which is completed at a regionally accredited institution, other than a California community college, will be reviewed by SAC discipline faculty. Course-to-course substitution will be granted based on discipline faculty determination of comparability to a SAC course with the approved C-ID designation for the given ADT. Course-to-course substitution will be granted in accordance with the state-wide C-ID descriptor when the SAC course does not have an approved C-ID designation, but a statewide C-ID descriptor exists. When no such descriptor exists, course substitution will be based on discipline faculty determination of comparability to a SAC course included on the ADT.
3. Students who have completed an external examination such as AP, CLEP, and IB are granted course credit toward ADT major requirements as listed in the SAC catalog. (Students should be aware that AP credit may be awarded/counted differently by the transfer institution.)
4. A course completed at another California community college that is approved as part of an associate degree for transfer will be applied to the corresponding Santa Ana College Associate Degree for Transfer (ADT) in the corresponding SAC ADT area. Courses completed at other California community colleges must be part of the ADT at the time the student completed the course. Courses completed at other CCCs prior to ADT approval will be “grandfathered”.
5. A course with a C-ID designation which is completed at another California Community College, but does not meet an Associate Degree for Transfer (ADT) major requirement at the college where completed or match a SAC C-ID number, can be applied to the ADT if the C-ID number is included in the statewide Transfer Model Curriculum (TMC) template . The course will be applied to the degree based on the location of the C-ID number on the TMC. SAC departmental approval is not required.

Associate of Arts/Science Degrees (AA/AS)

The associate degree is a certification of the student’s satisfactory completion of a program of study with a specific major or area of specialization. The associate degree is normally completed in two years and may be compared with the baccalaureate degree which is normally completed in four years.

Associate degrees are commonly conferred by community colleges. They are usually of two types, the associate of arts and the associate in science. The distinction between the associate of arts and the associate in science degrees lies in the majors. If the major is in the fields of engineering, physical or biological science, or occupational curricula, the degree conferred is usually the associate in science. Otherwise the associate of arts degree is conferred.

Ordinarily associate degrees have one of two major purposes. Either the program of study prepares the individual for transfer to a four- year college or university, or the program of study is intended to prepare the student for immediate employment.

The requirements for the associate degree include the specific courses in the major and what is called a general education or breadth requirement. The specific details concerning both the major and the general education requirements are described in Associate Degree Requirements.

General Education Philosophy

General Education requirements at Santa Ana College reflect the conviction that those who receive degrees must possess in common certain basic principles, concepts, and methodologies, both unique to and shared by various disciplines. Recognizing the need for students to embrace and adapt to increasingly and rapidly changing local, national and global conditions, the college seeks to ensure that students develop the necessary skills, knowledge, and curiosity to better themselves and their communities.

The subject matter of General Education courses is designed to be general, broad and introductory rather than specialized, narrow, or advanced. General Education courses form a pattern of learning experiences designed to provide educational opportunities that lead to the following learning outcomes for students:

- The ability to comprehend and communicate ideas logically, creatively, correctly, and effectively in speaking and writing.
- Skills in creative and critical thinking, including analysis, synthesis, evaluation, problem-solving, decision-making, and quantitative reasoning.
- The skills necessary to identify informational needs; to seek, to access, to evaluate and to apply information effectively, using print materials and technology creatively, effectively and responsibly.
- An understanding of the complexities presented by the cultural, social, and environmental diversity of the world.
- Responsibility for ethical and active participation in a diverse society.
- The basic skills necessary for lifelong learning, fitness, creative expression, aesthetic appreciation, personal growth, interpersonal skills, and development of intellectual curiosity.
- Acquisition of the knowledge and skills necessary in chosen disciplines and careers.

NOTE: See Plan 1 for specific course requirements.

General Education Categories

1. English Composition, Oral Communication, and Critical Thinking

Courses in English composition, oral communication, and critical thinking develop the principles and applications of language toward logical thought, clear and precise expression, and critical evaluation of communication in whatever symbol system the student uses.

1A. English Composition

Courses in this category enable students to write clearly and effectively, particularly to conduct an analysis, present a point of view, or express an idea or opinion; to read critically and perceptively in a variety of fields and from a variety of texts; and to reason logically and coherently, recognizing and avoiding common fallacies of thought. In addition to their intrinsic value, these courses train students in skills essential to many other disciplines.

1B. Oral Communication and Critical Thinking

Courses that fulfill this requirement may be designed to provide theoretical and practical instruction in critical thinking in a general sense. More specifically, such courses emphasize knowledge and skills that enable students to reach factual or judgmental conclusions concerning any topic without fallacy and based on solid reasons. Thus, students are instructed in general principles concerning the interpretation of evidence and deductive and inductive inference. Critical thinking courses enable students to move beyond the passive collection of evidence or data and engage students in active analytical and evaluative thinking. In addition to their intrinsic value, these courses train students in skills essential to many other disciplines.

Courses that fulfill this requirement may also emphasize the study of the nature and processes, and effects of human symbolic interaction, both verbal and nonverbal. These courses should provide theoretical and practical instruction in mass communication theory. They should also require that students research, outline, and deliver a platform presentation. Courses in this category should enable students to listen critically and express a position reasonably.

2. Mathematical Concepts and Quantitative Reasoning

Courses in this category enable students to develop mathematical thinking skills, construct logical arguments, and make valid inferences. In addition to their intrinsic value, these courses train students in quantitative skills essential to many other disciplines.

3. Arts and Humanities

Courses in arts and humanities study the cultural activities and artistic expressions of human beings. They assist in developing an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation, and in developing aesthetic understanding and an ability to make value judgments. This category includes introductory or integrative courses in the arts, foreign languages, literature, philosophy and religion.

3A. Arts

Courses that fulfill this requirement should enable students to examine and respond to the world as it has been represented over time and across cultures in visual, aural, tactile, and dramatic forms; to express their ideas and attitudes in an artistic medium; and to appreciate the contributions that the fine arts have made in establishing and preserving our cultural and historical traditions.

3B. Humanities

Courses in humanities enable students to understand human diversity and tolerance for different perspectives, ideas, and values while demonstrating critical thinking about basic responses to the human condition. Cross-disciplinary approaches, anti-ethnocentric global consciousness, and an emphasis on the diversity and unity of culture are emphasized. Students will learn how the arts, literature, philosophy, language, and science can both reflect and challenge historical formations and power structures while demonstrating critical thinking as students develop their interpretations regarding such formations and structures. Students will learn to apply evidential and logical reasoning in the formation of arguments, analyze data and documents, understand the nature of texts and non-textual sources, comprehend conjuncture and social change over time, apply historical learning and critical methodology to contemporary issues in the U.S. and the world stage, and engage with scholarship and with peers in critical discussion and informed debate.

4. Social and Behavioral Sciences

Courses in the social and behavioral sciences focus on people as members of society. They assist in developing an awareness of the methods of inquiry used by the social and behavioral sciences. Critical thinking is stimulated about the ways people act and have acted in response to their societies, and appreciation is developed of how societies and social groups operate. This category includes introductory or integrative survey courses in cultural anthropology, economics, history, political science, psychology, sociology, cultural geography, and related disciplines.

4A. American Institutions

American history must cover significant events over approximately a century, nationwide, and with a global context. It should analyze the roles of ethnic and social groups and show how events connect across politics, economics, social movements, and geography. Similarly, studies on the U.S. Constitution and California's government must include political philosophy, government operations, citizen rights, and state-federal dynamics.

4B. Social Science

Social and behavioral science explores human behavior within society, fostering critical thinking about societal interactions and dynamics. Students gain insight into various disciplines such as anthropology, economics, history, political science, psychology, sociology, cultural geography, and related fields, developing an understanding of societal operations and group behavior.

5. Natural Sciences

Courses in the natural sciences examine the physical universe, its life forms, and its natural phenomena. They assist in developing an appreciation and understanding of the scientific method and encourage an understanding of the relationships between science and other human activities. This category includes introductory or integrative courses in astronomy, biology, chemistry, general physical science, geology, physics, physical geography, physical anthropology, and other scientific disciplines.

6. Ethnic Studies

Courses meeting the Ethnic Studies requirement focus on the cultural perspectives of the African American, the Asian American, the Chicano/Latino, and the Native American in the United States. They assist students to deal constructively with issues of difficult differences and to develop respect for and become aware of the views, interactions, and contributions of these ethnic groups to U.S. society and culture. This interdisciplinary category includes introductory courses incorporating historically excluded groups' voices.

7. Lifelong Understanding and Self-Development

The courses in this category are designed to equip human beings for lifelong understanding and development of themselves as integrated physiological and psychological entities. In a social context, students will benefit from studying about themselves and how they function at different stages of life. Instruction is intended to include consideration of such matters as human behavior, sexuality, nutrition, health, stress, key relationships of humankind to the social and physical environment, and implications of death and dying. Physical activity courses could be included, provided that they include some components of the above-listed topics.

NOTE: This plan does not apply to Associate Degrees for Transfer (AA-T and AS-T). See requirements for Associate Degrees for Transfer (AA-T and AS-T).

AA/AS Requirements

I. Unit, GPA, and Residency Requirements

60 degree applicable units, with at least a 2.0 grade point average in the degree applicable courses. At least 12 of the units must be earned at Santa Ana College, Santiago Canyon College, or a combination of the two. Students may petition to waive the residency requirement in order to alleviate injustice and undue hardship. Courses numbered less than 100 and preceded by "N" are not applicable to the Associate degree.

If units accumulated beyond those required for the degree lower a student's cumulative grade point average below 2.0, Santa Ana College will compute the grade point average based solely on those courses used to satisfy the degree requirements, provided that the coursework used to compute the grade point average fulfills all major/area of emphasis and general education requirements.

II. General Education Requirements*

24 semester units of general education which includes one course or more as indicated in area requirements 1-7 (Plan 1). (*Students earning an Associate Degree for Transfer (ADT) must instead complete Cal-GETC. Students may also use full CSU-GE Breadth or full IGETC certification to earn an ADT, but will need to consult with a counselor to determine CSU-GE/IGETC eligibility). Courses from the major may be used to satisfy areas 1-7.

NOTE: The requirements in areas 1-7 for AA/AS degrees may also be met by Cal-GETC (PLAN 2) certification, or by submitting a transcript showing completion of a bachelor's degree from a regionally accredited institution. Students may also use full CSU-GE Breadth certification, or full IGETC certification to meet requirements (student must consult with a counselor to determine CSU-GE/IGETC eligibility). In addition, the requirements in areas 1-7 for AA/AS degrees may be met by submitting a transcript showing completion of an Associate of Arts or Associate of Science degree from a regionally accredited California institution within a ten-year period of finishing major requirements (III) at the college.

III. Major Requirements

Each degree program specifies courses required for the major (a minimum of 18 units). Students must complete these courses with a grade of "C" or better, or with a "P" if the course is taken on a Pass/No Pass basis**. See Instructional Programs Section of the SAC catalog.

**A maximum of 14 Pass/No Pass units is allowed for any degree program. This does not include units taken under credit by examination or assessment, or units earned in courses for which Pass/No Pass is the only grading option.

Petition for Graduation and Catalog Rights

Petitions for graduation should be filed in the Graduation Office during the semester/session the student expects to graduate. Students who maintain continuous enrollment in at least one regular semester or session of a catalog year (fall, intersession, spring, or summer) at Santa Ana College or Santiago Canyon College may elect to meet the associate degree or certificate requirements in the SAC Catalog in effect at the time of first enrollment, or may choose the catalog requirements from any catalog year of subsequent continuous enrollment. **A student who has an interruption of attendance must use the catalog at the time of readmission or one of subsequent continuous enrollment.** Commencement exercises are held once a year at the end of the spring semester for those students who complete the requirements for graduation during the academic year or the summer session from the previous academic year.

NOTE: Official Transcripts from all colleges attended must be on file in the Admissions and Records Office.

Continuous enrollment is defined by earning a notation on a transcript (letter grade W, NP, P or I) for at least one course during any semester, or session, within that academic year. For the purposes of the catalog, an academic year begins with the fall semester and concludes with the summer session. So long as the student remains in attendance in any one semester (fall/spring) or session (intersession/summer) per academic year at Santa Ana College or Santiago College, the student has the ability to elect to meet the graduation requirements in effect at the time they began the continuous enrollment or in a more recent catalog year. Transfer GE patterns (CSU-GE, IGETC, Cal-GETC) are exceptions and follow a different set of rules.

General Education Requirements for the Associate Degree (AA/AS)

PLAN 1: 2026-2027

This plan does not apply to Associate Degrees for Transfer (AA-T and AS-T).

Courses completed at Santiago Canyon College which meet the requirements for categories 1-7 at Santiago Canyon College will automatically meet the identical requirements at Santa Ana College.

GE credit will not be awarded for both the honors and regular version of a course.

Courses may be listed in more than one GE area but will only be granted GE credit for a single area.

1. English Composition, Oral Communication, and Critical Thinking

(minimum 6 semester/8 quarter units):

1A English Composition

(minimum 3 semester/4 quarter units)

English 100E, C1000 or C1000H (formerly 101/101H), C1000E

1B Oral Communication and Critical Thinking

(minimum 3 semester/4 quarter units)

Communication Studies 100,103, 103H, 113, 140, 145, 150, C1000 or C1000H (formerly 102/102H), C1004 or C1004H (formerly 101, 101H)

Counseling 144

Critical and Academic Reading 150

English C1001 or C1001H (formerly 103/103H), C1003 or C1003H (formerly 102, 102H)

Philosophy 110 or 110H, 111

2. Mathematical Concepts and Quantitative Reasoning

(minimum 3 semester/4 quarter units)

Business 130 (F '19 or later completion)

Mathematics 105, 140, 140S, 150, 162, 170, 172, 180E, 204, 280, 287, C2210 (formerly 180), C2220 (formerly 185)

Psychology 210

Statistics C1000 or C1000E or C1000H (formerly Mathematics 219/219S/219H)

3. Arts and Humanities

(minimum of 3 semester/4 quarter units, take once course from either 3A or 3B)

3A Arts

Art 100 or 100H, 103, 104, 105, 106, 110

Art History C1100 (formerly Art 101), C1200 (formerly Art 102)

Dance 100 or 100H, 101, 104, 105

Digital Media 101, 102, 103, 104, 107, 113, 164

Interdisciplinary Studies 121

Journalism and Media Studies 103

Music 101 or 101H, 102 or 102H, 103, 104, 105, 110, 111

Theatre Arts 100, 105, 120, 123

3B Humanities

American Sign Language 110 or 110H, 111 or 111H, 112, 116, 210 or 210H, 211

Anthropology 104 or 104H

Chinese 101, 102

Digital Media 105

English 104 or 104H, 231, 232, 233A, 233B, 233C, 241, 242, 243, 245, 246, 270, 271, 272, 278, C1003 or C1003H (formerly 102/102H)

French 101, 102, 201 or 201H, 202 or 202H

History 150, 151, 153, 163

Interdisciplinary Studies 200

Italian 120, 121

Japanese 101, 102

Journalism and Media Studies 105, 110, 111

Kinesiology, Professional 170

Philosophy 106 or 106H, 108, 112, 118

Spanish 101 or 101H, 102 or 102H, 195A, 195B, 201 or 201H, 202 or 202H

Vietnamese 101, 102

4. Social and Behavioral Sciences

(minimum of 3 semester/ 4 quarter units, take one course from either 4A or 4B)

4A American Institutions

History 118, C1001 or C1001H (formerly 120/120H), C1002 or C1002H (formerly 121/121H)

Political Science 235, C1000 or C1000H (formerly 101/101H)

4B Social Science

Anthropology 100 or 100H, 125

Asian American Studies 150

Black Studies 150

Chicano Studies 150

Child Development 110, 221, C1000 (formerly 107)

Child Development – Apprenticeship 107, 110, 221

Communication Studies 150, 206 or 206H, C1004 or C1004H

Counseling 150

Criminal Justice 101 or 101H

Economics C2001 (formerly 121), C2002 (formerly 120)

Ethnic Studies 102 or 102H, 150 or 150H

Geography 100 or 100H, 102 or 102H, 140, 155

History 101 or 101H, 102 or 102H, 123, 124 or 124H, 125, 127, 129, 146, 150, 151, 153, 163, 181

Kinesiology, Health Education 112

Kinesiology, Professional 150

Law 100

Nutrition 120

Paralegal 100

Political Science 205, 206

Psychology 170, 190, 219, 260, 270, C1000 or C1000H (formerly 100/100H)

Sociology 100 or 100H, 150, 286

Women's Studies 101, 102, 286

5. Natural Sciences (minimum 3 semester/4 quarter units)

Anthropology 101, 101L

Astronomy 109, 110, 140

Biology 109 or 109H, 109L, 111, 115, 149, 177, 190, 190L, 200, 211, 239, 259, 275

Chemistry 109, 115, 119, 209, 210, 219 or 219H

Earth Science 110 or 110H, 115, 125, 150

Environmental Studies 140, 200, 259

Geography 101, 101L, 130

Geology 101, 101L, 140, 150 or 150H, 201

Nutrition 115 or 115H

Physical Science 115, 117, 118

Physics 109, 210, 217, 279

Psychology 201 (Numbered 200 prior to Fall 2023)

6. Ethnic Studies

(minimum of 3 semester/4 quarter units)

Note: All courses below must have been completed Fall 2021 or later in order to fulfill Area 6

Asian American Studies 150*

Black Studies 150*

Chicano Studies 150*

Ethnic Studies 102 or 102H, 150* or 150H

* Numbered 101 prior to Fall 2022

7. Lifelong Understanding and Self-Development

(minimum of 3 semester/4 quarter units)

Take one course from each group. No more than one unit may be counted from 7B.

7A Lifelong Understanding

Child Development C1000 (formerly 107)

Child Development – Apprenticeship 107

Counseling 100, 116, 124, 125, 128

Entrepreneurship 100

Fashion Design Merchandising 103

Interdisciplinary Studies 155

Information Studies 100,105

Kinesiology, Health Education 101 or 101H, 102, 103, 104, 108

Kinesiology, Professional 125, 160

Mathematics 030

Nutrition 115 or 115H, 120

Philosophy 111

Psychology 140, 160, 190, 230

Sociology 112

Study Skills 109

7B Lifelong Understanding – Activity

Dance 102, 122A, 122B, 125A, 125B, 201A, 201B, 206A, 206B, 219A, 219B

Kinesiology, Activities 107A, 107B, 107C, 123, 140A, 150A, 155A, 160A, 169A, 169B, 170A, 200A, 200B, 200C, 211A, 211B, 220A, 220B, 220C, 226A, 230A, 260A, 260B, 260C, 265A, 265B, 265C, 270A, 290A, 290B

Kinesiology, Adapted Activities 201A, 202A, 202B, 205A, 208A, 208B, 211A, 211B

Kinesiology, Aerobic Fitness 140A, 143A, 144A, 146A, 146B, 150A, 156A, 156B, 157A

Kinesiology, Aquatics 201A, 201B

Kinesiology, Fitness 112A, 112B, 112C, 114A, 114B, 115A, 115B, 115C, 147A, 147B

Kinesiology, Intercollegiate Athletics 125, 128, 133, 171, 201, 202, 204, 206, 209, 210, 211, 212, 213, 216, 217, 218, 219, 220, 221, 223, 227, 230, 231, 232, 235, 240, 261, 262, 270, 271, 281, 291, 293

Kinesiology, Professional 155, 165, 175, 195, 200, 275

This requirement (F) is met for Fire Technology (as long as Fire Technology 121 and 121L are taken as part of the program), Nursing, Occupational Studies, and Occupational Therapy Assistant by completion of the major.

California General Education Transfer Curriculum (Cal-GETC)

PLAN 2: 2026-2027

Effective Fall 2025, Cal-GETC is the new lower division general education pattern for California Community Colleges students transferring to the CSU or the UC. Continuing students may be eligible to continue to follow CSU-GE (Plan B) or IGETC (Plan C). Please consult a SAC counselor for additional information.

Completion of all the requirements in the California General Education Transfer Curriculum (Cal-GETC) will permit a student to transfer from Santa Ana College to a campus in either the CALIFORNIA STATE UNIVERSITY (CSU) or the UNIVERSITY OF CALIFORNIA (UC) system without the need, after transfer, to take additional lower-division general education courses. For most students it is strongly recommended that they complete Cal-GETC prior to transfer.

1. **Complete all courses used for Cal-GETC certification with a minimum grade of C (C minus is not acceptable.)** A "pass" is acceptable providing it is equivalent to a grade of C or higher. The catalog must reflect this policy.
2. Request certification from the last California community college attended prior to transfer to CSU or UC. Petitions should be filed in the Graduation Office during the semester/session the student expects to graduate. Please consult the class schedule or a counselor for deadline information. Prior to requesting certification, have all official transcripts on file from every college attended.
3. Certification of coursework from other California Community Colleges completed for Cal-GETC will be honored provided that a course was on a college's approved Cal-GETC certification course list when it was completed. The coursework will be applied to the subject area in which it is listed by the institution where the work was completed. See assist.org.
4. Courses taken at other U.S. institutions (which do not maintain a Cal-GETC certification list) with accreditation from ICAS approved (formerly regional) accreditors will be placed in the subject areas for which Santa Ana College has equivalent courses. In some cases non-equivalent courses may also be considered. Please see a counselor for additional information and petition process. International coursework, from an institution without accreditation from an ICAS approved accreditor, cannot be applied to Cal-GETC.
5. IGETC approved courses taken prior to Fall 2025 may be applied in the same Cal-GETC area for certification. (**For continuing students following IGETC, Cal-GETC approved courses taken Fall 2025 or later may be applied towards IGETC certification in the same IGETC area.)
6. Although a course may be listed in more than one area, it can only be applied to a single area for Cal-GETC certification (areas 5A/5B and 5C are exceptions).
7. No more than 14 semester units (21 quarter units) of Pass/No Pass, excluding credit by exam, may be used toward Cal-GETC certification.
8. Partial certification of Cal-GETC is allowed in some cases for students transferring to a UC campus. Please see a counselor for more information.
9. Courses with fewer than 3 semester or 4 quarter units generally cannot be used toward Cal-GETC certification.
10. Advanced Placement and International Baccalaureate exams can be applied to Cal-GETC. See the AP and IB charts for score requirements and GE area(s) awarded.

IMPORTANT NOTE: The list of certifiable courses will be subject to change year by year, but students are assured that courses taken to meet Cal-GETC requirements will be honored **if they are approved for the academic year in which they are taken. Courses on this list are approved beginning Fall 2026 and are valid through Summer 2027.**

Credit not granted for both honors and non-honors version of a course; * Indicates that transfer credit may be limited by UC. University of California (UC) Transfer Course Agreement.

AREA 1 - ENGLISH COMMUNICATION

(recommend taking for a letter grade)

3 courses required, 3 semester or 4 quarter units for each 1A, 1B, and 1C

Area 1A: English Composition

1 course, 3 semester or 4 quarter units.

English C1000 or C1000H (formerly 101/101H) or C1000E

Area 1B: Critical Thinking and Composition

1 course, 3 semester or 4 quarter units.

English C1001 or C1001H (formerly 103/103H), C1003 or C1003H (formerly 102/102H) (102 and 102H not accepted in 1B if completed prior to Fall 2011)

Philosophy 110 or 110H

Group 1C: Oral Communication

1 course, 3 semester or 4 quarter units.

Communication Studies 100, C1000 or C1000H (formerly 102/102H)

AREA 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

1 course, 3 semester or 4 quarter units.

Math 105, 140*, 140S* (only 4 of 4.5 units are UC transferable), 150*, 170*, 172, 280, 287 (287 not accepted if completed prior to F' 19), C2210* (formerly 180*), C2220 (formerly 185)

Psychology 210*

Statistics C1000* or C1000E* or C1000H* (formerly Math 219* /219S*/219H*)

AREA 3 - ARTS AND HUMANITIES

2 courses, 6 semester or 8 quarter units with one course from Area 3A and one course Area 3B.

Area 3A: Arts

1 course, 3 semester or 4 quarter units

Art 100 or 100H, 103, 104, 105, 106, 108

Art History C1100 (formerly Art 101), C1200 (formerly Art 102)

Dance 100 or 100H, 101 (Fall 2022 or later completion), 102, 104, 105

Digital Media 102 (Fall 2022 or later completion), 103, 104, 107

Interdisciplinary Studies 121

Journalism & Media Studies 103

Music 101 or 101H, 102 or 102H, 103, 104, 105, 111

Photography 150

Theatre Arts 100, 105, 120, 123 (Fall 2020 or later completion)

Area 3B: Humanities

1 course, 3 semester or 4 quarter units

American Sign Language 116

Chinese 102

Digital Media 105

English 220, 231, 232, 233A or 233B or 233C, 241, 242, 243, 245, 246, 270 (Fall 2020 or later completion), 271, 272, 278, C1003 or C1003H, (formerly 102/102H)

French 102, 201 or 201, 20 or 202H

History 101 or 101H, 102 or 102H, 118, 150, 151, 153, 163*

Interdisciplinary Studies 200

Italian 121

Japanese 102

Philosophy 106 or 106H, 108, 112, 118

Spanish 102 or 102H, 195A, 195B, 201 or 201H, 202 or 202H

Vietnamese 102

AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES

2 courses, 3 semester or 4 quarter units each, total 6 semester or 8 quarter units from 2 academic disciplines or an interdisciplinary sequence.

Anthropology 100 or 100H, 103, 104 or 104H, 105, 125

Asian American Studies 150

Biology 200

Black Studies 150

Chicano Studies 150

Child Development C1000* (formerly 107*)

Communication Studies 206 or 206H, C1004, C1004H

Criminal Justice 101 or 101H

Economics C2001 (formerly 121), C2002 (formerly 120)

English 104 or 104H

Environmental Studies 200

Ethnic Studies 102 or 102H, 150 or 150H

Geography 100 or 100H, 102, 140

History 101 or 101H, 102 or 102H (101, 101H, 102, 102H F '13 or later completion), 105, 118, 123, 124 or 124H, 125, 127, 129, 133, 146, 181, C1001 or C1001H (formerly 120/120H), C1002 or C1002H (formerly 121/121H)

Interdisciplinary Studies 155

Journalism and Media Studies 105, 111

Kinesiology, Health Education 112

Law 100 (F '20 or later completion)

Paralegal 100 (F' 20 or later completion)

Political Science C1000 or C1000H (formerly 101/101H), 200 or 200H, 201, 205, 206, 220, 235

Psychology C1000 or C1000H (formerly 100/100H), 140, 157*, 160 (180 prior to F '20), 170, 190, 201 (200 prior to F '23), 219, 230, 240, 250, 270

Sociology 100 or 100H, 140 or 140H, 150, 240, 286

Women's Studies 101, 102, 286

AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES

At least 2 courses, 7 semester or 9 quarter units with one course from Area 5A and one course from Area 5B; at least one must include a corresponding laboratory (Area 5C).

Area 5A: Physical Science

1 course, 3 semester or 4 quarter units

Astronomy 109, 110

Chemistry 109*, 115, 209*, 210, 219* or 219H*, 229

Earth Science 110** or 110H*, 115*, 125, 150

Environmental Studies 140

Geography 101*, 130

Geology 101*, 140L, 150 or 150H, 201

Physical Science 115, 117*

Physics 109*, 210*, 211*, 217*, 227*, 237*, 279*, 289*

Area 5B: Biological Science

1 course, 3 semester or 4 quarter units

Anthropology 101

Biology 109* or 109H*, 111, 115, 149 (F '16 or later completion), 177, 190, 211*, 212, 214, 229*, 239, 249, 259, 275

Environmental Studies 259

Psychology 201 (F'17 or later completion) (200 prior to F '23)

Area 5C: Laboratory Activity

1 course, 1 semester or 1 quarter units (lab unit may be included with lecture course)

Anthropology 101L

Astronomy 140

Biology 109L, 111, 115, 149 (F '17 or later), 190L, 211*, 212, 214, 229*, 239, 249, 259, 275

Chemistry 109*, 115, 209*, 210, 219** or 219H*, 229

Earth Science 115*

Environmental Studies 140L, 259

Geography 101L
Geology 101L, 140L, 201
Physical Science 115, 118*
Physics 109*, 210*, 211*, 217*, 227*, 237*, 279*, 289*
Psychology 201 (F '23 or later completion)

AREA 6 - ETHNIC STUDIES

1 course, 3 semester or 4 quarter units
Note: All courses below must have been completed Fall 2023 or later in order to fulfill Area 6.
Asian American Studies 150
Black Studies 150
Chicano Studies 150
Ethnic Studies 102 or 102H, 150 or 150H

REQUIREMENTS OUTSIDE OF CAL-GETC

1. AMERICAN INSTITUTIONS

2. LANGUAGE OTHER THAN ENGLISH, these requirements are not part of Cal-GETC and are not certified by Santa Ana College though they may be completed at SAC.

1. AMERICAN INSTITUTIONS REQUIREMENT

CSU has an American Institutions graduation requirement that is separate from Cal-GETC. Courses used to meet the requirement can usually also be used in Area 3 or 4. To meet the CSU requirement, students should take Political Science C1000 or C1000H (101/101H) AND one of the following courses: History 118, 123, 124, 124H, 127, 146, C1001 or C1001H (formerly 120/120H), C1002 or C1002H (formerly121/121H).

UC requires the completion of a college course or courses with a grade of "C" or better OR a one-year course in high school in U.S. History or a half-year course in U.S. History and a half-year course in American Government with grades of "C" or better (UCLA requires an average grade of "B" or better). UCSB requires the completion of a college course. If you are using college coursework to satisfy this requirement, check the appropriate UC catalog to determine which course(s) to take.

2. LANGUAGE OTHER THAN ENGLISH (LOTE) REQUIREMENT – UC ONLY

Though not part of Cal-GETC, students transferring to the University of California are encouraged (varies by campus/major) to demonstrate competence in a language other than English equivalent to two years/second level of high school instruction. It is typically demonstrated by completing two (in some cases three) years of high school study in the same language with a grade of C or higher, completing a college course with a C or higher, or by eligible AP/IB exam scores. Consult with a UC admissions representative to confirm if a SAC course listed below, deemed to be equivalent to 2 years of high school study, meets the requirement at the specific UC campus.

See also: https://admission.universityofcalifornia.edu/counselors/uc-graduation-requirements/

American Sign Language 110, Chinese 101, French 101, Italian 120, Japanese 101, Spanish 101, 101H, Vietnamese 101; **Students can request LOTE certification on their SAC graduation petition.**

****CONTINUOUS ENROLLMENT FOR USE OF CSU-GE (PLAN B) AND IGETC (PLAN C)**

Effective Fall 2025 Cal-GETC is the new transfer general education pattern and replaces CSU-GE Breadth (Plan B) and IGETC (Plan C). However, students who began at Santa Ana College (or another CCC or CSU campus) prior to Fall 2025 will be permitted to use the CSU-GE and IGETC patterns if they maintained ***CSU continuous enrollment.*** This is defined as enrollment in at least one semester (fall/spring) per calendar year at CSU or CCC or a combination of the two. (Such students may also choose to complete Cal-GETC.) Please consult with a SAC counselor to determine CSU-GE Breadth and IGETC eligibility. See the 24-25 SAC Catalog for Plans B and C information.

Courses must be included on the GE certification list at the time completed.

1. Cal-GETC Certification Using Pre-Fall 2025 IGETC Courses: Students who completed IGETC-approved courses prior to Fall 2025, including courses that are no longer active in assist.org, may apply those courses in the same Cal-GETC area(s) for certification.
2. IGETC Certification Using Cal-GETC Courses:
3. Students seeking IGETC certification may use Cal-GETC-approved courses in the same area(s)—whether newly created or newly approved as of Fall 2025.
4. Note: These provisions are intended to allow for exceptional cases in which a student would be required to repeat a similar course or courses in the same GE area, expend more financial aid, exceed the transferable unit cap, or incur other undue burdens to transfer without this exception.

Cal-GETC Standards version 1.4

Certification of Cal-GETC for transfer to the California State University (CSU) or University of California (UC)

Upon a student's request Santa Ana College will officially verify ("certify") completion of the lower division general education (GE) requirements for transfer to the University of California or the California State University (Cal-GETC, Plan 2). Students who transfer without certification will be required to meet the lower division general education requirements of the specific UC or CSU campus to which they are transferring. Meeting these requirements usually necessitates taking additional courses. All CSUs and most UC campuses and programs will accept certified Cal-GETC completion as satisfying lower-division GE. Cal-GETC is also accepted by some private colleges and universities.

Students who have taken courses at other colleges can have these courses used in the certification process. Santa Ana College will certify (guarantee) courses taken at other California community colleges in the Cal-GETC areas designated by the offering college. Certification of coursework from other California Community Colleges completed for Cal-GETC will be honored provided that a course was on a college's approved Cal-GETC certification course list when it was completed. The coursework will be applied to the subject area in which it is listed by the institution where the work was completed. See assist.org.

Courses taken at other U.S. institutions (which do not maintain a Cal-GETC certification list) with accreditation from ICAS approved (formerly regional) accreditors will be placed in the subject areas for which Santa Ana College has equivalent courses. In some cases non-equivalent courses may also be considered. Please see a counselor for additional information and petition process. International coursework, from an institution without accreditation from an ICAS approved accreditor, cannot be applied to Cal-GETC.

Students should request Cal-GETC certification from the last California Community College they attend prior to transfer to UC or CSU. A SAC Graduation/Certification Petition form must be submitted in order to receive certification on the student transcript. Additional information is available from the SAC Graduation Office

Online Degree Pathway Program

The Online Degree Pathway Program is a program offered through Distance Education which allows students to learn and study collaboratively in a student cohort that completes prescribed coursework in an accelerated 8-week course structure. There are currently six online degree pathways:

1. Associate in Science in Business Administration for Transfer (AS-T in Business Administration); this degree is for transfer to CSU and can be completed in 2 years
2. Associate in Arts in Communication Studies for Transfer (AA-T in Communication Studies); this degree is for transfer to CSU and can be completed in 2 years
3. Associate in Arts, in Liberal Arts Degree, 2-year completion; this degree prepares the student for transfer and can be completed in 2 years
4. Associate in Arts in Political Science for Transfer (AA-T in Psychology); this degree is for transfer to CSU and can be completed in 2 years
5. Associate in Arts in Psychology for Transfer (AA-T in Psychology); this degree is for transfer to CSU and can be completed in 2 years
6. Associate in Arts in Sociology for Transfer (AA-T in Sociology); this degree is for transfer to CSU and can be completed in 2 years Business Administration Major Preparation for CSU, 1 year completion Psychology Major Preparation for CSU, 1 year completion

For Online Degree Pathway information, please visit our website: sac.edu/onlinepathway or call (714) 564-6725 or email us at DistanceEd@sac.edu

Virtual Hybrid: Virtual Hybrid Instruction classes combine scheduled live streaming Zoom meetings and online instruction. Students will attend class virtually on Zoom during the published course times and will logon to Canvas at and complete work regularly throughout the week. Canvas and other technologies will be required to complete coursework.

On-Campus with Virtual: On-Campus with Virtual Instruction classes combine scheduled on-campus and scheduled Zoom meetings. Students will attend class on-campus and will attend class virtually on zoom during the published course times and will logon to Canvas at sac.edu/canvas. Canvas and other technologies will be required to complete coursework.

ADVANCED PLACEMENT (AP) POLICIES

Per the following chart students at Santa Ana College may be awarded units of credit for Advanced Placement exams passed with a score of 3, 4, or 5. Although credit awarded through advanced placement may be used to satisfy Santa Ana College graduation requirements, it cannot be used to satisfy the twelve unit residency requirement. Students who have earned credit from an AP exam should not take a comparable college course since credit will not be granted for both. Students should submit official copies of Advanced Placement Examination test scores to the Admissions and Records office for evaluation. Students are strongly advised to check with a SAC counselor and/or the Admissions Office of their transfer campus to determine how the AP exam will be used to meet requirements at their transfer institution as policies may differ from SAC's. Students with continuous enrollment completing CSU-GE or IGETC should consult the AP chart in the 2024-2025 SAC catalog. Please see a counselor for additional information.

Advanced Placement Exam	**SAC Courses(s)/ Units Awarded (can also be used On Plan 1)[1]**	**CSU Minimum Semester Units Earned toward CSU admission[2]**	**Cal-GETC (Plan 2) Certification Area/ Semester Units Awarded[3]**	**UC Minimum Semester Units Granted[4]**
African American Studies	3 units Course Policy Pending	3 Units	N/A	2.6 units
Art History	ART C1100 and C1200 6 Units	6 Units	Area 3A or 3B[5] 3 Units	5.3 Units
Studio Art - Drawing / Drawing	ART 130 3 Units	3 Units	N/A	5.3 Units (5.3 Units maximum combined credit for all three Studio Art Exams)
Studio Art - 2-D Design / 2-D Art and Design	ART 110 3 units	3 units	N/A	5.3 Units (5.3 Units maximum combined credit for all three Studio Art Exams)
Studio Art - 3-D Design / 3-D Art and Design	ART 111 3 Units	3 Units	N/A	5.3 Units (5.3 Units maximum combined credit for all three Studio Art Exams)
Biology	BIOL 109 + 109L or 190 + 190L 4 Units	6 Units	Area 5B and 5C 4 Units	5.3 Units
Business with Personal Finance	N/A	3 units	N/A	N/A
Calculus AB	MATH C2210 4 Units	3 Units (only one Calculus or Computer Science exam may be applied toward CSU degree)	Area 2 3 Units	2.6 Units (5.3 units maximum combined credit for both Calculus exams)
Calculus BC	MATH C2210 and C2220 8 Units	6 Units (only one Calculus or Computer Science exam may be applied toward CSU degree)	Area 2 3 Units	5.3 Units (5.3 units maximum combined credit for both Calculus exams)
Calculus BC/AB Subscore	MATH C2210 4 Units	3 Units (only one Calculus or Computer Science exam may be applied toward CSU degree)	Area 2 3 Units	Check UC campus catalog.
Chemistry	CHEM 219 5 Units	6 Units	Area 5A & 5C 4 Units	5.3 Units
Chinese Language and Culture	Plan 1 Area C 3 Units	6 Units	Area 3B and 6A 3 units	5.3 Units
Computer Science A	CMPR 121 3 Units	3 Units (only one Computer Science or Calculus exam may be applied toward a CSU degree)	N/A	5.3 units (Beginning May 2018)
Computer Science AB	CMPR 121 and 131 6 Units	6 Units (only one Computer Science or Calculus exam may be applied toward a CSU degree)	N/A	Check UC Campus Catalog

Advanced Placement Exam	SAC Courses(s)/ Units Awarded (can also be used On Plan 1)[1]	CSU Minimum Semester Units Earned toward CSU admission[2]	Cal-GETC (Plan 2) Certification Area/ Semester Units Awarded[3]	UC Minimum Semester Units Granted[4]
Computer Science Principles	Plan 1 Area 2 3 Units	6 Units (only one Computer Science exam may be applied toward a CSU degree)	N/A	5.3 Units
Economic: Macroeconomics	ECON C2002 3 Units	3 Units	Area 4 3 Units	2.6 Units
Economic: Microeconomics	ECON C2001 3 Units	3 Units	Area 4 3 Units	2.6 Units
English: Language and Composition	ENGL C1000 4 Units	6 Units	Area 1A 3 Units	5.3 Units (5.3 units maximum combined credit for both English exams)
English: Literature and Composition	ENGL C1000 6 Units Plan 1 Area 1A and 3B	6 Units	Area 1A or 3B[5] 3 Units	5.3 Units (5.3 units maximum combined credit for both English exams)
Environmental Science	BIOL 259 4 Units	4 Units	Area 5A and 5C 3 Units	2.6 Units
French Language/ Language and Culture	FREN 101 and 102 10 Units	6 Units	Area 3B 3 Units	5.3 Units
German Language/ Language and Culture	Plan 1 Area 3B 3 Units	6 Units	Area 3B 3 Units	5.3 Units
Geography: Human	GEOG 102 3 Units	3 Units	Area 4 3 Units	2.6 Units
Government and Politics: Comparative	POLT 201 3 Units (also meets Plan 1, Area 4B)	3 Units	Area 4 3 Units	2.6 Units
Government and Politics: United States	POLS C1000 3 Units	3 Units	Area 4 3 Units and completion of the US Constitution and Government portion of the CSU US History Constitution and American Ideals requirement[7] (US-2)	2.6 Units
History: European	HIST 102 3 Units Plan 1, Area 3B or 4B	6 Units	Area 3B or 4[5] 3 Units	5.3 Units
History: United States	HIST C1001 and C1002 6 Units Plan 1, Area 3B or 4A	6 Units	Area 3B or 4[5] 3 Units and completion of the US Constitution and Government portion of the CSU US History Constitution and American Ideals requirement[7] (US-1)	5.3 Units
History: World/ World Modern	HIST 102 3 Units (HIST 101 + 102 if passed prior to F '19, 6 Units) Plan 1, Area 3B or 4B	3 Units (6 Units if passed prior to F '19)	Area 3B or 4[5] 3 Units	5.3 Units
Italian Language and Culture	Plan 1, Area 3B 3 Units	6 Units	Area 3B 3 Units	5.3 Units
Japanese Language and Culture	Plan 1, Area 3B 3 Units	6 Units	Area 3B 3 Units	5.3 Units
Latin Literature or Latin: Vergel	Plan 1, Area 3B 3 Units	6 Units[6] (3 Units for Latin: Vergil if passed prior to F '12)	Area 3B 3 Units	Check UC Campus Catalog

Advanced Placement Exam	SAC Courses(s)/ Units Awarded (can also be used On Plan 1)[1]	CSU Minimum Semester Units Earned toward CSU admission[2]	Cal-GETC (Plan 2) Certification Area/ Semester Units Awarded[3]	UC Minimum Semester Units Granted[4]
Latin	Plan 1, Area 3B 3 Units	6 Units	Area 3B 3 Units	5.3 Units (if passed May '13 or later)
Music Theory	MUS 111 and 112 8 Units	6 Units (must be passed prior to F '09)	N/A	5.3 Units
Physics B **(Available prior to F '15)**	PHYS 279 and 289 8 Units	6 Units[8]	N/A	Check UC Campus Catalog
Physics 1/ **Physics 1 Algebra-Based**	Plan 1, Area 5 4 Units	4 Units[8]	Area 5A and 5C 4 Units[8]	5.3 Units (5.3 maximum combined credit for all Physics exams)
Physics 2/ **Physics 2 Algebra-Based**	Plan 1, Area 4 4 Units	4 Units[8]	Area 5A and 5C 4 Units[8]	5.3 Units (5.3 maximum combined credit for all Physics exams)
Physics C **(Electricity and Magnetism)**	PHYS 227 4 Units (also meets Plan 1, Area 5)	4 Units[8]	Area 5A and 5C 4 Units[8]	2.6 Units (5.3 maximum combined credit for all Physics exams)
Physics C (Mechanics)	PHYS 217 4 Units	4 Units[8]	Area 5A and 5C 4 Units[8]	2.6 Units (5.3 maximum combined credit for all Physics exams)
Pre-Calculus	MATH 170 4 units	3 Units	N/A	N/A
Psychology	PSYCH C1000 3 Units	3 Units	Area 4 3 Units	2.6 Units
Research	N/A	3 units	N/A	N/A
Seminar	N/A	3 Units	N/A	N/A
Spanish Language/ **Language and Culture**	SPAN 101 and 102 10 Units	6 Units	Area 3B 3 Units	5.3 Units
Spanish Literature/ **Literature and Culture**	Plan 1, Area 3B 3 Units	6 Units	Area 3B 3 Units	5.3 Units
Statistics	STAT C1000 4 Units	3 Units	Area 2A 3 Units	2.6 Units

1. This column does not apply to Cal-GETC, or minimum CSU or UC units granted upon transfer.
2. These units count toward eligibility for CSU admission. Refer to the CSU credit for Prior Learning policy for additional guidance.
3. Each AP exam may be applied to one Cal-GETC area as satisfying one course requirement.
4. This column reflects the minimum number of units UC will grant system-wide for each exam. These units count toward eligibility for admission.
5. AP exam may be used in either area regardless of where the SAC discipline is located.
6. Latin Literature 6 units if passed prior to F '09. Latin: Vergil 3 units if passed prior to F '12.
7. This examination only partially fulfills the CSU US History, Constitution, and American Ideals graduation requirement but can be used toward the requirement. (Please note that no AP exam fulfills the California State and Local Government portion, US-3.) See a counselor for more information.
8. If a student passes more than one AP exam in Physics, only six units of credit may be applied to the baccalaureate, and a maximum of four units of credit may be applied to certification of Cal-GETC.

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

Santa Ana College will grant credit to currently enrolled students for CLEP examinations passed with a score of 50 or higher (level II languages require a higher score). Although credit awarded through CLEP may be used to satisfy Santa Ana College graduation requirements, it cannot be used to satisfy the twelve-unit residency requirement. Students who have earned credit from a CLEP exam should not take a comparable college course since credit will not be granted for both. Credit for some exams may be applied toward general education requirements for Plan 1. Students with continuous enrollment completing CSU-GE should consult the CLEP chart in the 2024-2025 SAC catalog. Please see a counselor for additional information. CLEP credit may not be applied toward Cal-GETC, Plan 2. UC does not grant credit for CLEP examinations. Use of exams for SAC prerequisite clearance and major requirements is granted according to the determination of the appropriate SAC area dean in consultation with the department. Students should see a counselor for more information and submit official copies of CLEP test scores to the SAC Admissions and Records Office. Students are strongly advised to check with a SAC counselor or their transfer campus to determine how CLEP exams will be used to meet requirements at their transfer institution as policies may differ from SAC's.

College-Level Examination Program Exam	SAC GE (Plan 1) Area/Units[1]	Total SAC Associate Degree Semester Units Granted	CSU Minimum Semester Units Earned toward CSU Admission[2]
Business			
Financial Accounting	N/A	3 units	3 units
Information Systems and Computer Applications	N/A	3 units	3 units
Introductory Business Law	N/A	3 units	3 units
Principles of Accounting	N/A	3 units	3 units
Principles of Management	N/A	3 units	3 units
Principles of Marketing	N/A	3 units	3 units
Composition and Literature			
American Literature	Area 3B, 3 units	3 units	3 units
Analyzing and Interpreting Literature	Area 3B, 3 units	3 units	3 units
College Composition	N/A	0 units	0 units
College Composition – Modular	N/A	0 units	0 units
English Composition (no Essay)	N/A	0 units	0 units
English Composition (with Essay)	N/A	0 units	0 units
English Literature	Area 3B, 3 units (must be passed prior to F '11)	3 units	3 units (must be passed prior to F '11)
Freshman College Composition	N/A	0 units	0 units
Humanities	Area 3B, 3 units	3 units	3 units
Foreign Languages			
French Level I	N/A	6 units[3]	6 units[3]
French Level II	Area 3B, 3 units (Required Score of 59)	9 units[3](12 units if passed prior to F '15) (Required Score of 59)	9 units3 (Required Score of 59) (12 units if passed prior to F '15)
German Level I	N/A	6 units[3]	6 units[3]
German Level II	Area 3B, 3 units (Required Score of 60)	9 units[3] (12 units if passed prior to F '15) (Required Score of 60)	9 units[3] (required Score of 60) (12 units if passed prior to F '15)
Spanish Level I	N/A	6 units[3]	6 units[3]
Spanish Level II	Area 3B, 3 units (Required Score of 63)	9 units[3] (12 units if passed prior to F '15) (Required Score of 63)	9 units[3] (Required Score of 63) (12 units if passed prior to F '15)
Spanish With Writing I	N/A	6 units[3]	6 units
Spanish With Writing II	Area 3B, 3 units (Required Score of 65)	9 units[3] (Required Score of 65)	9 units[3] (Required Score of 65)

College-Level Examination Program Exam	SAC GE (Plan 1) Area/Units[1]	Total SAC Associate Degree Semester Units Granted	CSU Minimum Semester Units Earned toward CSU Admission[2]
History and Social Sciences			
American Government	Area 4A, 3 units	3 units	3 units
History, United States I	Area 4A, 3 units	3 units	3 units
History, United States II	Area 4A, 3 units	3 units	3 units
Human Growth and Development	Area 4B, 3 units	3 units	3 units
Introduction to Educational Psychology	N/A	3 units	3 units
Introductory Psychology	Area 4B, 3 units	3 units	3 units
Introductory Sociology	Area 4B, 3 units	3 units	3 units
Principles of Macroeconomics	Area 4B, 3 units	3 units	3 units
Principles of Microeconomics	Area 4B, 3 units	3 units	3 units
Social Sciences and History	N/A	0 units	0 units
Western Civilization I	Area 3B or 4B[4] 3 units	3 units	3 units
Western Civilization II	Area 4B, 3 units	3 units	3 units
Science and Mathematics			
Biology	Area 5, 3 units	3 units	3 units
Calculus	Area 2, 3 units	3 units	3 units
Chemistry	Area 5, 3 units	3 units	3 units
College Algebra	Area 2, 3 units	3 units[6]	3 units
College Algebra – Trigonometry	Area 2, 3 units	3 units	3 units
College Mathematics	N/A	0 units	0 units
Natural Sciences	Area 5, 3 units	3 units	3 units
Pre-Calculus	Area 2, 3 units	3 units[6]	3 units
Trigonometry	Area 2, 3 units	3 units[6]	3 units (must be passed prior to F '06)

1. This column does not apply to minimum CSU units granted upon transfer.
2. These units count toward eligibility for CSU admission. Refer to the CSU Credit for Prior Learning policy for additional guidance.
3. If a student passes more than one CLEP test in the same language other than English (e.g., two exams in French), then only one examination may be applied to the associate degree or to the baccalaureate. For each test in a language other than English, a passing score of 50 is considered "Level I" and earns six units of credit; the higher score listed for each test is considered "Level II" and earns additional units of credit and placement in Area 3B of CSU GE, as noted.
4. CLEP exam may be used in either area regardless of where SAC discipline is located.
5. This examination only partially fulfills the CSU US History, Constitution, and American Ideals graduation requirement but can be used toward the requirement. (Please note that no CLEP exam fulfills the California State and Local Government portion, US-3.) See a counselor for more information.
6. Also fulfills Santa Ana College Math Proficiency.

INTERNATIONAL BACCALAUREATE (IB) POLICIES

Per the following chart students at Santa Ana College may be awarded units of credit for International Baccalaureate Exams passed with a score of 5 or higher, unless otherwise noted. Although credit awarded through IB may be used to satisfy Santa Ana College graduation requirements, it cannot be used to satisfy the twelve-unit residency requirement. Students who have earned credit from an IB exam should not take a comparable college course since credit will not be granted for both. Students should submit official copies of International Baccalaureate Examination test scores to the Admissions and Records office. Students are strongly advised to check with a SAC counselor and/or the Admissions Office of their transfer campus to determine how the IB exam will be used to meet requirements at their transfer institution as policies may differ from SAC. Students with continuous enrollment completing CSU-GE or IGETC should consult the IB chart in the 2024-2025 SAC catalog. Please see a counselor for additional information.

International Baccalaureate Exam	SAC GE (Plan 1) Area/ Units Awarded[1]	CSU Minimum Semester Units Earned toward CSU Admission[2]	Cal-GETC (Plan 2) Certification Area/ Semester Units Awarded[3] [8]	UC Minimum Semester Units Granted[4]
Biology HL	Area 5, 3 units	6 units	Area 5B (without lab) 3 units	5.3 units
Business Management HL	N/A	6 units	N/A	N/A
Chemistry HL	Area 5, 3 units	6 units	Area 5A (without lab) 3 units	5.3 units
Computer Science HL	N/A	6 units	N/A	N/A
Design Technology HL	N/A	6 units	N/A	N/A
Dance HL	N/A	6 units	N/A	N/A
Digital Society HL	N/A	6 units	N/A	N/A
Economics HL	Area 4B, 3 units	6 units	Area 4, 3 units	5.3 units
Environmental Systems and Societies HL	N/A	6 units	N/A	N/A
Film HL	N/A	6 units	N/A	N/A
Geography HL	Area 4B, 3 units	6 units	Area 4, 3 units	5.3 units
Global Politics HL	Area 4, 3 units	3 units	N/A	N/A
History (any region) HL	Area 3B, or 4B[5] 3 units	6 units	Area 3B or 4[5], 3 units	5.3 units
Language A1 (any language) HL[7] (prior to Fall '13)	Area 3B, 3 units[9]	6 units[6]	See footnote 8	See UC campus specific policy
Language A2 (any language) HL[7] (prior to Fall '13)	Area 3B, 3 units[9]	6 units[6]	See footnote 8	See UC campus specific policy
Language A Literature HL	Area 3B, 3 units[9]	6 units[6]	Area 3B, 3 units	5.3 units
Language A Language and Literature HL	Area 3B, 3 units[9]	6 units[6]	Area 3B, 3 units	5.3 units
Language B (any language) HL[7]	3 units, Elective[9]	6 units[6]	N/A	5 3 units (0 units for English)

International Baccalaureate Exam	SAC GE (Plan 1) Area/ Units Awarded[1]	CSU Minimum Semester Units Earned toward CSU Admission[2]	Cal-GETC (Plan 2) Certification Area/ Semester Units Awarded[3] [8]	UC Minimum Semester Units Granted[4]
Mathematics HL (prior to F '22)	Area 2, 3 units[9]	6 units[6]	See footnote 8	5.3 units
Mathematics HL - Analysis and Approaches	Area 2, 3 units[9]	6 units[6]	Area 2, 3 units[10]	5.3 units
Mathematics HL- Applications and Interpretation	Area 2, 3 units[9]	6 units[6]	Area 2,3 units[11]	N/A
Philosophy HL	Area 3B, 3 units	6 units	N/A	N/A
Physics HL	Area 5, 3 units	6 units	Area 5A (without lab) 3 units	5.3 units
Psychology HL	Area 4B, 3 units	3 units	Area 4, 3 units	5.3 units
Social and Cultural Anthropology HL	Area 4A, 3 units	6 units	N/A	N/A
Sports, Exercise and Health Science HL	N/A	6 units	N/A	N/A
Theatre HL	Area 3B, 3 units[9]	6 units[6]	Area 3A, 3 units	5.3 units
Visual Arts HL	N/A	6 units	N/A	N/A
World Religions HL	Area 3B, 3 units	6 units	N/A	N/A

1. This column does not apply to Cal-GETC or to minimum CSU or UC units granted upon transfer.
2. These units count toward eligibility for CSU admission. Refer to the CSU credit for Prior Learning policy for additional guidance.
3. Each IB exam may be applied to one Cal-GETC area as satisfying one course requirement.
4. This column reflects the minimum number of units UC will grant system-wide for each exam. These units count toward eligibility for admission.
5. AB exam may be used in either area regardless of where the SAC discipline is located.
6. Score of 4 or higher required for CSU Credit.
7. The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-natives. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.
8. Cal-GETC credit for IB courses that have been discontinued are not shown in this column. A student with catalog rights may be able to use a now discontinued course if accepted under the directly comparable area of IGETC or under Cal-GETC at the time the course was taken.
9. Score of 4 or higher required.
10. 2021 or later.
11. May not be at all UCs

TRANSFER TO OTHER COLLEGES

This section of the catalog is designed to help students plan an academic program for transfer to a four-year college or university. It includes information about the transfer process and requirements. Universities often make changes to their requirements. Information listed in this section was up to date at the time of publication; however, changes may have occurred after publication.

There are four segments of higher education in California. They are:

1. The University of California (UC) system with 10 campuses.
2. The California State University (CSU) system with 22 campuses.
3. Independent colleges and universities; and
4. California Community Colleges with 116 campuses.

Santa Ana College provides the freshman and sophomore years of a four-year college or university program. SAC students can complete most or all of their lower division general education and major requirements before transferring. Students who are planning to transfer should meet with a counselor in the Counseling Center or in the University Transfer Center to develop a Student Educational Plan to ensure a smooth transition to the transfer institution of their choice.

Note: Transfer students may also want to complete an associate degree or an Associate Degree for Transfer. While not always a requirement for transfer, the associate degree or Associate Degree for Transfer is generally recommended, and proper planning should enable students to satisfy both requirements for graduation from SAC and for transfer.

University Transfer Center

The University Transfer Center (UTC), which is located in S-110 at Santa Ana College provides information and assistance to students who are preparing to transfer to a four-year university of their choice. UTC has designated counseling appointments and services for transfer bound students.

During the fall and spring semesters, the University Transfer Center hosts College Fairs with representatives from California and out-of-state colleges and universities who provide admissions information to potential students. University representative appointments are also available for students, as well as transfer orientations and transfer application workshops offered during priority filing periods. In addition, field trips to various university campuses are planned throughout the academic school year. For more information call 714-564-6165 or email transfer_center@sac.edu.

Transferability of Courses

Students can transfer a maximum of 70 units to a UC or CSU campus. Many courses offered by Santa Ana College will transfer to meet general education and/or major requirements. However, some courses may transfer only as electives units. Sixty transferable units are needed for junior standing.

All courses numbered 100 or above will transfer to CALIFORNIA STATE UNIVERSITY campuses. These are indicated in the catalog by a “CSU” at the end of the course description.

Courses which are transferable to UNIVERSITY OF CALIFORNIA campuses are indicated in the catalog by a “UC” at the end of the course description. Some of the courses that are transferable to University of California campuses have credit limitations. Check assist.org to determine these limitations. Courses must be UC transferable in the academic year they were completed in order to earn UC transferable credit.

INDEPENDENT AND OUT-OF-STATE COLLEGES AND UNIVERSITIES usually accept most courses that are transferable to University of California campuses and many of the courses acceptable at California State University campuses.

Course Requirements for Transfer Students

A student can transfer from Santa Ana College as a junior without loss of time or credits by completing the following:

Lower Division Major Requirements

Most university majors require the completion of one or more lower division courses as preparation for the upper division. Santa Ana College offers courses to meet the lower division requirements for most transfer majors.

General Education Requirements

These are the courses required of everyone to obtain a degree regardless of major. Courses in writing, critical thinking, mathematics, sciences, arts and humanities, and the social sciences are included in general education. The general education pattern for transfer students at SAC is Cal-GETC (Plan 2). Courses must be included on this pattern in the academic year they were completed in order to earn GE credit.

Electives

These are courses of choice taken in addition to courses for the major and general education requirements.

Honors Program Transfer Agreements

Santa Ana College students who complete the requirements of the Honors Transfer Program may opt to enter into honors transfer agreements with participating four-year colleges and universities. Each agreement is specific to the four-year institutions, but most offer, at least, “priority consideration for admission” to the school and/or their honors program. While Santa Ana College continues to add to the honors transfer agreement list, SAC currently has agreements with:

- California State University, Bakersfield
- California State University, Fullerton
- California State University, Long Beach
- California State Polytechnic University, Pomona
- California State University, San Bernardino
- Amherst College
- Brandeis University
- Carleton College
- Chapman University
- Concordia University Irvine
- Connecticut College
- Gonzaga University
- Grinnell University
- Illinois Institute of Technology
- Loyola Marymount University
- Mount Holyoke College
- Mount St. Mary’s University, Los Angeles
- Pitzer College
- Pomona College
- San Diego State University, Weber Honors College
- Scripps College
- Smith College
- Swarthmore College
- Trinity College
- The University of Arizona
- University of California, Irvine

- University of California, Los Angeles
- University of California, Riverside
- University of La Verne
- University of Michigan
- University of Redlands
- University of San Diego
- University of San Francisco
- Wheaton College
- Whittier College
- Williams College
- Yale University

New transfer agreements are added every year. For details regarding specific agreements, students may email the program at SAChonors@sac.edu, visit the Honors Program webpage, or refer to the honorstransfercouncil.org.

Begin a Transfer Major at Santa Ana College

In order to earn a bachelor's degree, students need to select a subject area in which to specialize. This subject area is called a major. Almost every major requires that certain courses be completed during the freshman and/or sophomore years of college. These are called lower division major requirements. Many of these can be completed at SAC prior to transferring. (The highly specific courses in the major are called upper division requirements, and these are completed after transfer.) In developing a program for transfer, first consideration in most cases should be given to completing the courses required in the transfer major or as preparation for the major. Note that these requirements may differ from major requirements for the associate degree.

Below is a partial listing of majors one might choose to begin at SAC. Visit the Transfer or Counseling Centers or make an appointment with a counselor to discuss which courses should be completed at SAC to begin preparation in the chosen transfer major. In addition, assist.org lists required courses for many UC and CSU majors. SAC also has articulation agreements with many private colleges and universities. Other resources include UC Transfer Preparation Pathways, and Associate Degrees for Transfer.

- Anthropology
- Art/Art History/Studio Arts
- Asian Studies
- Astronomy
- Behavioral Sciences
- Biology/Biochemistry
- Black Studies Botany
- Business Administration

(The following may be emphases under Business Administration or may be separate majors)

  Accounting
  Business Applications
  Business Economics Finance
  Human Resources
  International Management
  Management/Computer Information Systems
  Management Science
  Marketing

- Chemical Engineering
- Chemistry
- Chicano and Chicana Studies
- Child Development and Education Studies
- Civil Engineering
- Communication Studies
- Communications & Media Studies
- Communicative Disorders
- Community Social Services
- Comparative Literature
- Computer Engineering
- Computer Information Systems
- Computer Science
- Criminal Justice
- Dance
- Data Science
- Earth Science
- Ecology
- Economics
- Electrical Engineering
- Engineering
- Engineering Technology
- English
- Environmental Studies/Sciences
- Ethnic Studies
- Fashion Design Merchandising
- Film Studies
- Fire Protection Administration and Technology
- Geography
- Geology
- Graphic Design
- Health Science
- History
- Hospitality Management
- Human Services
- Humanities
- Industrial Engineering
- International Business
- International Studies
- Journalism
- Kinesiology
- Liberal Studies
- Linguistics
- Mathematics
- Mechanical Engineering
- Meteorology
- Microbiology
- Modern Languages
- Music/Musicology
- Nursing
- Nutrition and Food
- Occupational Therapy*
- Oceanography*
- Philosophy
- Physical Education/Exercise Science
- Physical Therapy*
- Physics
- Political Science
- Pre-Chiropractic
- Pre-Dentistry*
- Pre-Law*
- Pre-Medicine*
- Pre-Optometry*
- Pre-Pharmacy*
- Pre-Veterinary Medicine*
- Psychology

- Public Administration
- Radio/Television/Film
- Religious Studies
- Social Ecology
- Social Work
- Sociology
- Spanish Teaching**
- Theater Arts/Drama
- Urban Studies
- Women's Studies
- Zoology

* These are primarily graduate programs for which undergraduate majors can vary. Students should see a counselor to determine what undergraduate major might be appropriate.

** Undergraduate majors for those planning to teach K-12 can vary widely depending upon the subject and grade level to be taught.

Students should see a counselor to determine what undergraduate major might be appropriate.

The above list is a sampling and does not represent all transfer majors at all colleges/universities.

California State University (CSU) Transfer

The California State University has 22 campuses located throughout the state. While each campus within the system has its own unique geographic and curricular character, all campuses offer undergraduate and graduate instruction for professional and occupational goals as well as a broad liberal education. The CSU offers more than 1,500 bachelor's and master's degrees in some 200 subject areas. Campuses are Bakersfield, Channel Islands, Chico, Dominguez Hills, East Bay, Fresno, Fullerton, Humboldt (Cal Poly), Long Beach, Los Angeles, Monterey Bay, Northridge, Pomona (Cal Poly), Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo (Cal Poly), San Marcos, Sonoma, and Stanislaus.

To obtain a bachelor's degree from the CSU system, a student must usually complete a minimum of 120 or more semester units. A maximum of 70 units of CSU transferable credit will be accepted for courses completed at a community college. Community college coursework completed above the 70 units may be used to meet general education, elective units, or major preparation requirements even if the units will not count toward the baccalaureate degree.

The key to a successful transfer is early planning to ensure that students complete courses that meet the admission, general education, and lower division major preparation requirements.

California State University – Admission Requirements For Transfer:

This information is pending updates from the California State University.

I. Lower Division Transfer

An applicant who completes fewer than 60 semester (90 quarter) units of college credit is considered a lower-division transfer student.

Having fewer than 60 semester (90 quarter) units at the point of transfer may affect eligibility for registration priority at CSU campuses and may affect the student's financial aid status.

Transfer applicants with fewer than 60 semester or 90 quarter units must:

- have a cumulative grade point average of 2 .0 (C) or better in all transferable units attempted.
- have completed, with a grade of C- or better, a course in written communication and a course in mathematics or quantitative reasoning at a level satisfying CSU GE Breadth Areas A2 and B4 requirements respectively.
- be in good standing at the last institution attended; and
- meet any one of the eligibility standards listed below:

1. Transfer Based on Current Admission Criteria
   The applicant meets the freshman admission requirements in effect for the term for which the application is filed and submits an official high school transcript for eligibility verification.
   – OR –
2. Transfer Based on Making Up Missing Subjects
   The applicant had a qualifying GPA at the time of high school graduation, has made up any missing college preparatory subject requirements with a grade of C- or better, and has been in continuous attendance in an accredited college since high school graduation. One baccalaureate level course of at least 3 semester (4 quarter) units is usually considered equivalent to one year of high school study.

Note: Due to enrollment pressures, most CSU campuses do not admit lower division transfers. Some campuses may require lower-division transfer students to complete specific college coursework as part of their admission criteria. Visit www.calstate.edu/apply and click on "Application Dates and Deadlines" to confirm which CSUs offer admission to lower division transfer applicants.

II. Upper Division Transfer

To qualify for admission as an upper division transfer, applicants must complete 60 or more semester (90 or more quarter) transferable units and have met the following requirements:

- The applicant must complete at least 30 semester (45 quarter) units of general education courses. You may visit www.assist.org for a full listing of courses at each CCC that meet CSU general education requirements.
- The applicant must complete transferable courses (CSU GE category A) with grades of C- or better in written communication, oral communication and critical thinking. (A C or better is needed to apply the course to Cal-GETC.)
- The applicant must complete one transferable course (CSU GE category B4) with a grade or C- or better in mathematics or quantitative reasoning. (A C or better is needed to apply the course to Cal-GETC.)
- The applicant must have achieved a cumulative grade point average of 2 .0 or better in all CSU transferable college units attempted.
- The applicant is expected to be in good standing at the last college or university attended (i.e. eligible to re-enroll at that college or university).

Note: Campuses and/or programs and class levels that are designated as being impacted have additional admission criteria. For example, a 2 .0 GPA may not be high enough for campuses and majors in high demand. See calstate.edu for additional information on impacted programs.

The CSU gives priority admission consideration to California Community College (CCC) students who meet the CSU upper-division transfer admission requirements. **However, the highest admission priority is given to students who have earned an Associate Degree for Transfer (ADT).**

California State University General Education Requirements

To earn a bachelor's degree from the California State University, each student must complete a program of general education (GE). Santa Ana College offers the California General Education Transfer Curriculum (Cal-GETC, Plan 2), which enables students to meet the lower division GE requirements for all CSU campuses prior to transfer. Students can also meet the general education requirements of a specific CSU campus. A few majors, such as Nursing, Engineering, Science, and other technical majors recommend students complete very specific course-work to meet general education. Consult a counselor for additional information.

Certification of General Education for Transfer to CSU

See certification of Cal-GETC completion.

Associate Degree for Transfer: A Pathway to the CSU Degree

The Student Transfer Achievement Reform Act (SB1440) established an Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T). The AA-T or AS-T degrees are designed to provide a clear pathway to the California State University (CSU) degree major.

Students who are awarded an Associate Degree for Transfer and meet the CSU minimum admission requirements are guaranteed admission with junior standing and are given priority admission consideration when applying to a program that has been deemed similar to the degree earned at SAC. SAC offers ADTs for a wide range of majors.

Transfer Success Pathway

The Transfer Success Pathway program is the CSU's comprehensive dual admission program with the California Community Colleges. The program offers guaranteed admission (if all requirements are met) to eligible students who enter into an agreement with one university of their choice. The agreement indicates the student's intention to transfer from a community college to that CSU within three years.

University of California (UC) Transfer

The University of California has ten campuses located throughout the state. Each campus within the system has its own unique geographic and academic character. The University offers bachelor's, master's and doctoral degrees in a variety of subject areas. Campuses of the University are located in Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, San Francisco (Schools of Medicine, Dentistry, Nursing, and Pharmacy), Santa Barbara and Santa Cruz.

To obtain a baccalaureate degree from the UC system, a student must complete a minimum of 120 semester units (180 quarter units). A maximum of 70 units of transferable credit will be accepted for courses completed at a community college.

The key to a successful transfer is early planning to ensure that students complete courses that meet the admission, general education, and lower division major preparation requirements.

University of California – Admission Requirements for Transfer:

This information is pending updates from the University of California.

I. Lower Division Transfer

While all UC campuses welcome a large pool of junior-level transfers, most admit only a limited number (if any) of lower division transfers. However, it can happen. Here's how:

- If a student met the minimum requirements for admission to UC when they graduated from high school, they are eligible for transfer if they have a 2 .0 GPA (2 .8 for nonresidents) in UC transferable college coursework.
- If a student met the minimum required GPA in high school but did not satisfy the 15 Course Subject Requirement, the student must take transferable college courses in the missing subjects, earn a C or better in each required course and maintain an overall 2.0 GPA (2 .8 for nonresidents) in all transferable coursework to be eligible to transfer.

II. Upper Division Transfer

The majority of transfer students come to the University at the junior level from California Community Colleges. To be considered for admission as a junior transfer, a student must meet the following criteria by the last regular term prior to transfer:

1. Complete 60 semester (90 quarter) units of UC transferable college credit with a GPA of at least 2.4 (2.8 for nonresidents). No more than 14 semester (21 quarter) units may be taken Pass/Not Pass.
2. Be in good academic standing (2.0 GPA or better) at the last institution of attendance and at any previous UC campus where the student was enrolled in a regular term (e.g. fall, winter, spring).
3. Complete the following seven course pattern, earning a grade of C or better (or the equivalent) in each course:
   - Two UC transferable college courses (3 semester or 4–5 quarter units each) in English composition (only one of the two can be met with an AP exam score)
   - One UC transferable college course (3 semester or 4–5 quarter units) in mathematical concepts and quantitative reasoning.
   - Four UC transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: arts and humanities, social and behavioral sciences, and physical and biological sciences.

The seven-course pattern may be completed with a Pass/Credit/Satisfactory grade if such designations are equivalent to a letter grade of C (2.0) or better; however, some campuses may require letter grades in English and math for selections purposes. If a student satisfies the Intersegmental General Education Transfer Curriculum (IGETC) or the California General Education Transfer Curriculum (Cal-GETC) prior to transferring, the student may meet the seven-course pattern.

Meeting the minimum requirements does not guarantee admission to a particular campus. **Admission to the campus or program** of choice often requires students to meet more demanding standards.

University of California General Education Requirements

To earn a bachelor's degree from the University of California, each student must complete a program of general education. Transfer applicants who matriculate at a California Community College (CCC) before the Fall of 2025 may satisfy lower division general education requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC). Students matriculating at a CCC in Fall 2025 and later may satisfy lower-division general education requirements by completing the California General Education Transfer Curriculum (Cal-GETC). Transfer students may also choose to complete individual UC campus general education requirements. Santa Ana College generally recommends that students follow IGETC or Cal-GETC rather than the individual campus requirements as this will provide more flexibility when applying to transfer. **However, IGETC or Cal-GETC should generally not be used for the following:**

- The colleges of Engineering, Chemistry, and the Haas School of Business at **UCB**;
- Any student preparing for a selective major should prioritize required major preparation and selection criteria at **UCD**;
- The School of Engineering at **UCLA**;
- The School of Engineering (strongly discouraged) and the School of Natural Sciences (not recommended), students are encouraged to instead focus on major preparation at **UCM**;
- The College of Natural and Agricultural Sciences, the College of Engineering may require additional coursework after enrollment, at **UCR**;
- Revelle College may require coursework after enrollment at **UCSD**;
- Students in the College of Engineering are encouraged to focus on major preparation rather than GE but may use IGETC at **UCSB**;
- Majors in the physical or biological sciences or any major in the School of Engineering at **UCSC**.

NOTE: Students who began at a UC campus and who intend to transfer back to the same campus cannot use IGETC or Cal-GETC. UC campuses do allow students who began at another UC campus to use IGETC or Cal-GETC. Consult a counselor for additional information. Students who intend to transfer into majors that require extensive preparation, such as engineering or the biological, physical and natural sciences, should first concentrate on completing the prerequisites for the major.

Associate Degree for Transfer and the University of California

If you're working toward an AA-T or AS-T (also known as an ADT), you should choose courses that align with the requirements at the UC campuses you're interested in. Treat the ADT as your early roadmap to UC. You can use assist.org or UC Transfer Pathways to guide you in choosing the right courses. Although earning an ADT does not guarantee admission to UC, some campuses consider it in the comprehensive review process.

Transfer Admission Guarantee (TAG)

Six UC campuses offer guaranteed admission in particular majors to California Community College students who meet specific requirements, which may include completion of certain major preparatory courses and attaining a minimum GPA for the chosen major. Visit the SAC Transfer Center for more information.

UC Transfer Pathways

UC Transfer Pathways identify a single set of lower-division pre-major preparation courses for common majors.

The UC Transfer Pathways guide provides a listing of California Community Colleges courses that meet the course expectations for each of the pathways. It is very important to use this guide in conjunction with ASSIST assist.org for the most up-to-date information.

Pathways+ combines the most attractive aspects of both TAG and Transfer Pathways: the security of an admissions guarantee to one of six TAG campuses, plus strong major preparation for any campuses offering the Pathways major.

UC Transfer Admission Planner

The UC Transfer Admission Planner is an on-line tool to help prospective California Community College transfer students track and plan their coursework.

UC Dual Admission

The UC Dual Admission program is a transfer path for select California students. Each year, UC will invite select freshman applicants to the program. Upon completion of program requirements, students will be guaranteed admission to their selected UC campus and major.

UNIVERSITY OF CALIFORNIA (UC) TRANSFER COURSE AGREEMENT

This agreement lists 2026-2027 approved Santa Ana College courses transferable for unit credit at all UC campuses and explains UC credit provisions. These courses are also indicated in the SAC catalog course listings by a "UC" at the end of the course description. Additional courses for 2026–2027 may be approved after this catalog publication date. Please see a SAC counselor for more information.

Courses must be UC transferable in the academic year they were completed in order to earn UC transferable credit. UC transferable course lists for additional years can be found at assist.org.

Honors Course Credit Limitation:

- Duplicate credit will not be awarded for both the honors and the regular versions of a course.
- Credit will be awarded only to the first course completed with a grade of C or better.

Accounting 101, 102

American Sign Language 110*, 110H*, 111, 111H, 112, 116, 210, 210H, 211

**Corresponds to two years of high school study*

Anthropology 100, 100H, 101, 101L, 103, 104, 104H, 105, 108, 125

Art 100, 100H, 103, 104, 105, 106, 108, 109, 110, 111, 122, 127, 130, 131, 132A, 132B, 140A, 140B, 141, 143, 148, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159B, 162, 190, 192A, 195, 230, 231, 232, 233, 235, 240, 241, 242, 243, 248, 251, 252, 291, 292

Art History C1100 (formerly Art 101), C1200 (formerly Art 102)

Asian American Studies 150

Astronomy 109, 110, 140

Biology 109*, 109H*, 109L*, 111, 115, 129, 139+, 149, 177, 190, 190L, 200, 211^, 212, 214, 217, 229+, 239, 249, 259, 275, 290

** No credit for Biology 109 or 109H or 109L if taken after Biology 211*

+Biology 139 and Biology 229 combined; maximum credit, 1 course

^No credit for Biology 211 if taken after Biology 290

Black Studies 150

Business 100, 101*, 105*, 130, 150+

**Business 101, Business 105 and Law 105 combined: maximum credit, 1 course*

+No credit for Business 150 if take after Computer Science 105

Chemistry 109*+, 115, 209*+, 210, 219+, 219H+, 229, 249, 259

** Chemistry 109 and Chemistry 209 combined: maximum credit, 1 course*

+No credit for Chemistry 109 or Chemistry 209 if taken after **Chemistry** 219 or 219H

Chicano Studies 150

Child Development 110, 116A, 120A, 221, 229, C1000*

** Child Development C1000 (formerly 107) and Psychology 157 combined: maximum credit, 1 course*

Child Development-Apprenticeship 107, 110, 121

Chinese 101*, 102

**Corresponds to two years of high school study*

Communication Studies 100, 103, 103H, 113, 140, 145, 150, 151, 206, 206H, C1000 (formerly 102), C1000H (formerly 102H), C1004 (formerly 101), C1004H (formerly 101H)

Computer Science 100, 101, 105, 112, 113, 114, 118, 120, 121, 129, 131, 140, 158, 159, 160, 170, 205, 213, 215

Counseling 100+, 103+, 104+, 106+, 107+, 110+, 111+, 116+, 124+, 128, 135, 144*, 150

+Counseling 100, 103, 104, 106, 107, 110, 111, 116, 124, Kinesiology, Professional 195, English 222, and Study Skills 109 combined: maximum credit, 3 units

**Counseling 144 and Philosophy 111 combined; maximum credit, 1 course*

Criminal Justice 101, 101H, 102*, 103*, 103H*, 109, 109H

**Criminal Justice 102, Criminal Justice 103 and Criminal Justice 103H combined: maximum credit 1 course*

Critical and Academic Reading 150

Dance 100, 100H, 101, 102, 104, 105, 106A, 106B, 107A, 107B, 107C, 107D, 108A, 108B, 109A*, 109B*, 109C*, 110, 111, 112A, 113A, 113B, 114*, 115A, 118, 119A, 119B, 120A, 120B, 122A*, 122B*, 123, 124A, 126A, 126B, 127A, 127B, 133A, 133B, 140, 140B, 201A, 201B, 202A, 202B, 204A, 204B, 204C, 204D, 205A, 205B, 205C, 205D, 206A, 206B, 209, 210, 211A, 211B, 212A, 212B, 213, 214, 219A, 219B, 220, 221, 226A, 226B, 227A, 227B, 240A, 240B, 240C, 240D, 250A, 250B, 251, 260, 261, 262, 263, 270*, 290, 291, 296, 297, 298

**Any or all of the PE activity courses combined: maximum credit, 4 units (see also Kinesiology)*

Digital Media 100, 101, 102, 103, 104, 105, 107, 110, 113, 115A, 115B, 121A, 121B, 122, 140, 142, 150, 152, 157, 162, 164, 165, 192A, 193, 195, 196A, 196B, 197A, 255, 256, 257, 260, 265

Earth Science 110*, 110H*, 115+, 125, 150, 150H

**Earth Science 110, Earth Science 110H, Geography 101 or Geology 101 combined: maximum credit, 1 course*

+No credit for Earth Science 115 if taken after Earth Science 110, Earth Science 110H, Geography 101 or Geology 101

Economics C2001 (formerly 121) C2002 (formerly 120)

Education 120A, 201, 210

Education - Apprenticeship 120A, 201

Engineering 100A, 118, 119, 122, 125, 183, 235, 240, 250, 250L, 280

English 100E, 104, 104H, 213, 220, 222*, 231, 232, 233A, 233B, 233C, 241, 242, 243, 245, 246, 270, 271, 272, 278, C1000 (formerly 101), C1000H (formerly 101H), C1001 (formerly 103), C1000H (formerly 103H), C1003 (formerly 102), C1003H (formerly 102H)

**Counseling 100, 103, 104, 106, 107, 110, 111, 116, 124, Kinesiology, Professional 195, English 222, and Study Skills 109 combined: maximum credit, 3 units*

English for Multilingual Students 110*, 112*

**Any or all of these combined: maximum credit, 8 units*

Environmental Studies 140, 140L, 200, 259

Ethnic Studies 102, 102H, 150, 150H

Fashion Design Merchandising 104, 136

French 101*, 102, 201, 201H, 202, 202H, 211, 214

**Corresponds to two years of high school study*

Geography 100, 100H, 101*, 101L, 102, 130, 140, 155

**Geography 101, Earth Science 110, Earth Science 110H and Geology 101 combined: maximum credit, 1 course*

Geology 101*, 101L, 140, 140L, 150, 150H, 201

**Geology 101, Earth Science 110, Earth Science 110H and Geography 101 combined: maximum credit, 1 course*

History 101, 101H, 102, 102H, 105, 118, 123, 124, 124H, 125, 127, 129, 133, 146, 150, 151, 153, 181, C1001, C1001H (formerly 120/120H), C1002, C1002H (formerly 121/121H)

Information Studies 100, 103, 105

Interdisciplinary Studies 121, 155, 200

Italian 120*, 121

**Corresponds to two years of high school study*

Japanese 101*, 102

**Corresponds to two years of high school study*

Journalism and Media Studies 102, 103, 105, 110, 111, 160

Kinesiology, Activities 107A*, 107B*, 107C*, 123*, 140A*, 150A*, 155A*, 160A*, 169A*, 169B*, 170A*, 200A*, 200B*, 200C*, 211A*, 211B*, 220A*, 220B*, 220C*, 226A*, 230A*, 260A*, 260B*, 260C*, 265A*, 265B*, 265C*, 270A*, 280*, 290A*, 290B*

**Any or all of these PE activity courses combined: maximum credit, 4 units*

Kinesiology, Adapted Activities 201A*, 202A*, 202B*, 205A*, 208A*, 208B*, 211A*, 211B*

**Any or all of these PE activity courses combined: maximum credit, 4 units*

Kinesiology, Aerobic Fitness 140A* 143A*, 144A*, 146A*, 146B*, 150A*, 156A*, 156B*, 157A*

**Any or all of these PE activity courses combined: maximum credit, 4 units*

Kinesiology, Aquatics 201A*, 201B*

**Any or all of these PE activity courses combined: maximum credit, 4 units*

Kinesiology, Fitness 112A*, 112B*, 112C*, 114A*, 114B*, 115A*, 115B*, 115C*, 147A*, 147B*

Any or all of these PE activity courses combined: maximum credit, 4 units

Kinesiology, Health Education 101*, 101H*, 102*, 103*, 104*, 106, 108, 111, 112

**Kinesiology, Health Education 101, 101H, 102, 103 and 104 combined: maximum credit, 1 course. Does not apply to Kinesiology, Health Education 101 if listed as "Sports Medicine"*

Kinesiology, Intercollegiate Athletics 125*, 128*, 133*, 171*, 201*, 202*, 204*, 206*, 209*, 210*, 211*, 212*, 213*, 216*, 217*, 218*, 219*, 220*, 221*, 223*, 227*, 230, 231*, 232*, 235*, 240*, 261*, 262* 270*, 271*, 281*, 291*, 293*

Any or all of these PE activity courses combined: maximum credit, 4 units

Kinesiology, Professional 101, 125, 150, 155+, 165+, 170, 175+, 195$, 200+, 217+

+ Any or all of these PE Theory courses combined: maximum credit, 8 units

$ Counseling 100, 103, 104, 106, 107, 110, 111, 116, 124, Kinesiology, Professional 195, English 222, and Study Skills 109 combined: maximum credit 3 units

Kinesiology, Sports Medicine 101

Law 100, 105*, 121

**Law 105, Business 105 and Business 101 combined: maximum credit, 1 course*

Library Technology 102*, 104

**Library Technology 102 and Information Studies 100 combined: maximum credit, 1 course*

Mathematics 105, 140*, 140S*%, 150+, 170*, 172, 180E, 204, (219/219S/219H see statistics), 280, 287, C2210 (formerly 180), C2220 (formerly 185)

**All College Algebra and Pre-Calculus courses limited to a single course with a maximum of 5 semester/7.5 quarter units*

% Maximum credit, 4 units

+Math 150 and Math C2210 combined: maximum credit, 1 course

Music 101, 101H, 102, 102H, 103, 104, 105, 109, 110, 111, 112, 113A*, 113B*, 114A, 114B, 115A, 115B, 115C, 115D, 121, 122, 123, 124, 130, 135, 136, 137, 140, 141, 142, 143, 144, 145, 146, 147, 148, 152, 161, 162, 163, 164A, 164B, 168, 169, 171, 173, 175, 176, 178, 180A, 180B, 180C, 181, 185, 186, 187, 188, 189, 213, 214, 215A, 216, 217, 241, 245, 268, 269, 271

**No credit for Music 113A, Music 113B if taken after Music 114A, Music 114B*

Nutrition and Food 115, 115H, 120, 121

Paralegal 100

Philosophy 106, 106H, 108, 110, 110H, 111*, 112, 118

**Philosophy 111 and Counseling 144 combined: maximum credit, 1 course*

Photography 150, 160, 180

Physical Science 115, 117*, 118*

**No credit if taken after a college level course in Chemistry or Physics*

Physics 109*, 210+, 211+, 217+ 227+, 237+, 279+, 289+

**No credit for Physics 109 if taken after Physics 217 or Physics 279*

+Physics 210, Physics 211 or Physics 217, Physics 227, Physics 237 or Physics 279, Physics 289 combined: maximum credit, 1 series - deduct for duplication of topics

Political Science 200, 200H, 201, 205, 206, 220, 235, C1000 (formerly 101), C1000H (formerly 101H)

Psychology 140, 157*, 160, 170, 190, 201, 210+, 219, 230, 240, 250, 260, 270, C1000 (formerly 100), C1000H (formerly 100H)

**Psychology 157 and Child Development C1000 combined: maximum credit, 1 course*

+Statistics C1000, C1000E, C1000H and Psychology 210 combined: maximum credit, 4 units

Sociology 100, 100H, 112, 140, 140H, 150, 240, 286

Spanish 101*, 101H*, 102, 102H, 195A, 195B, 201, 201H, 202, 202H, 212, 213

**Corresponds to two years of high school study*

Speech Language Pathology Assistant 119, 160

Statistics C1000* (formerly Math 219), C1000E* (formerly Math 219S), C1000H* (formerly Math 219H)

**Statistics C1000, C1000E, C1000H and Psychology 210 combined: maximum credit, 4 units*

Study Skills 109+

+Counseling 100, 103, 104, 106, 107, 110, 111, 116, 124, Kinesiology, Professional 195, English 222, and Study Skills 109 combined: maximum credit, 3 units

Theatre Arts 100, 105, 109, 110, 111, 113, 114, 117, 118, 120, 123, 128, 130, 131, 132, 133, 135, 136, 137, 138, 140A, 140B, 140C, 140D, 150A, 150B, 151, 152, 153, 154, 155, 157, 161, 162, 163, 165, 171, 172, 173, 178, 179, 180, 181, 186, 190, 250, 255, 256, 257, 258

Vietnamese 101*, 102

**Corresponds to two years of high school study*

Women's Studies 101, 102, 286

Independent and Out-of-State College and University Transfer

In addition to state-supported colleges and universities in California, there are many independent institutions in the state. There are also many colleges, both private and public, located throughout the United States to which Santa Ana College students can transfer. Each of these institutions has its own unique requirements for admission. In order to determine eligibility, students should consult with the college of their choice along with a Santa Ana College counselor.

The Association of Independent California Colleges and Universities (AICCU) Transfer Commitment is part of the sector's commitment to serve all types of California students. Transfer pathways include campus articulation agreements, and the Associate Degree for Transfer (ADT) program**. Many independent California colleges and universities have been incorporated into ASSIST (assist.org) so students and transfer counselors can see the full scope of transfer options.

Financial aid may be a primary factor in making it possible for a student to attend an independent college or university. There are many forms of financial assistance available, such as federal, state, institutional, and private aid. Students should apply for scholarships, grants, loans, and work-study awards from all possible sources. The Free Application for Federal Student Aid (FAFSA) and the California Dream Act Application may be submitted in October for the following academic year. Further details and assistance are available in the Financial Aid Office.

California's private, non-profit, WASC-accredited colleges and universities include:

- American Film Institute Conservatory
- American Jewish University
- Antioch University Los Angeles
- ArtCenter College of Design
- Azusa Pacific University **+
- Biola University**
- California Baptist University **+
- California College of the Arts
- California Institute for Human Science
- California Institute of the Arts
- California Institute of Integral Studies **+
- California Institute of Technology
- California Lutheran University *+
- Chapman University
- Charles R. Drew University of Medicine and Science+
- The Chicago Schoo **
- Claremont Lincoln University
- Claremont McKenna College
- Concordia University Irvine **+
- Dominican University of California
- Fresno Pacific University **+
- Golden Gate University**
- Harvey Mudd College
- Hope International University
- Humphreys University **
- Jessup University **
- John Paul the Great Catholic University **
- Laguna College of Art and Design
- La Sierra University **
- Life Pacific University
- Loma Linda University
- Los Angeles Pacific University **
- Loyola Marymount University +

- The Master's University
- Menlo College **
- Minerva University
- Mount St. Mary's University **
- National University **+
- Northeastern University Oakland
- Notre Dame De Namur University
- Occidental College
- Otis College of Art and Design
- Pacific Oaks College **
- Pacific Union College **
- Palo Alto University **+
- Pepperdine University **+
- Pitzer College
- Point Loma Nazarene University **
- Pomona College
- Reach University
- Saint Mary's College of California **
- Samuel Merritt University
- San Diego Christian College **
- San Francisco Bay University
- San Francisco Conservatory of Music
- Santa Clara University +
- Saybrook University
- Scripps College
- Simpson University **+
- Soka University
- Southern California Institute of Architecture
- Southern California University of Health Sciences
- Stanford University
- Stanton University
- Thomas Aquinas College
- Touro University California/Worldwide +
- University of La Verne **
- University of Massachusetts Global **
- University of the Pacific **+
- University of Redlands **+
- University of San Diego
- University of San Francisco **
- University of Southern California
- University of the West **
- Vanguard University +
- Western University of Health Sciences
- Westmont College **
- Whittier College **+
- Woodbury University
- Zaytuna College

** ADT participating institution

+ Articulation agreements available at assist.org

Associate Degrees for Transfer and Independent California Colleges and Universities.

Students can receive transfer benefits with this degree at ** dozens of private California colleges and universities.

General Education Requirements for Independent and Out-of-State Colleges and Universities

Santa Ana College has articulated general education requirements with a number of independent institutions such as Chapman University, Loma Linda University, the University of Southern California, and Pepperdine University. In addition, some independent and out-of-state colleges and universities will accept full IGETC, CSU-GE breadth, or Cal-GETC certification in lieu of their own lower division general education requirements. Students transferring to independent or out-of-state institutions should meet with a counselor to review articulation agreements and information regarding SAC courses in order to determine appropriate general education requirements.

Historically Black Colleges and Universities (HBCUS)

California community college transfer students with a GPA of 2.0 or higher (certain partner HBCUs will require a higher GPA) are guaranteed admission to HBCU partner schools using either of the following two options: (1) complete a minimum of 30 UC or CSU transferable units (2) complete an Associate Degree for Transfer (ADT). ADTs may provide guaranteed pathways to HBCU bachelors degree programs. Most HBCUs accept the on-line Common Black College Application. Fee waivers may be available.

Additional program benefits for students under the agreement may include priority consideration for housing, consideration for transfer scholarships for students with a 3.2 or higher GPA, and pre-admission advising.

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. ***However, students should always go to assist.org to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit, or how it will apply toward a general education pattern such as Cal-GETC.***

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

STUDENTS MAY CONSULT THE C-ID WEBSITE AT C-ID.NET **FOR SPECIFIC INFORMATION ON C-ID COURSE DESIGNATIONS. COUNSELORS CAN ALWAYS HELP STUDENTS INTERPRET THIS INFORMATION. ADDITIONAL SAC COURSES WERE PENDING C-ID APPROVAL AT THE TIME OF CATALOG PUBLICATION. PLEASE CONSULT A COUNSELOR FOR THE LATEST C-ID INFORMATION.**

C-ID Number	SAC Prefix/Number	SAC Course Name
ACCT 110	ACCT 101	Financial Accounting
ACCT 120	ACCT 102	Managerial Accounting
AJ 110	CJ 101 or CJ 101H	Introduction to Criminal Justice or Honors Introduction to Criminal Justice
AJ 120	CJ 103 or CJ 103H	Concepts of Criminal Law or Honors Concepts of Criminal Law
AJ 122	CJ 107 or PARA 107	Principles and Procedures in the Criminal Justice System
AJ 124	CJ 105	Legal Aspects of Evidence
AJ 140	CJ 205	Criminal Investigation Principles
AJ 150	CJ 108	Crime Scene Investigation
AJ 160	CJ 109 or CJ 109H	Community Interaction or Honors Community Interaction
AJ 200	CJ 102	Introduction to Corrections
AJ 220	CJ 220	Juvenile Delinquency and Control
ANTH 110	ANTH 101	Introduction to Biological Anthropology
ANTH 115 L	ANTH 101L	Biological Anthropology Laboratory
ANTH 120	ANTH 100 or ANTH 100H	Introduction to Cultural Anthropology or Honors Introduction to Cultural Anthropology
ANTH 130	ENGL 104 or ENGL 104H or ANTH 104 or ANTH 104	Language and Culture or Honors Language and Culture
ANTH 150	ANTH 103	Introduction to Archaeology
ARTH 100	ART 100 or ART 100H	Introduction to Art Concepts or Honors Introduction to Art Concepts
ARTH 110	ARTH C1100	Art from Prehistory to the Medieval Era
ARTH 120	ARTH C1200	Art from the Renaissance to Contemporary
ARTH 130	ART 106	Asian Art History
ARTH 140	ART 103	Arts of Africa, Oceania, and Indigenous North America
ARTS 100	ART 110	Two-Dimensional Design
ARTS 101	ART 111	Three-Dimensional Design
ARTS 110	ART 130	Introduction to Drawing
ARTS 200	ART 131	Beginning Life Drawing
ARTS 205	ART 230	Intermediate Drawing
ARTS 250	ART 195	Introduction to Digital Media Arts
BIOL 110B	BIOL 239	General Human Anatomy
BIOL 120B	BIOL 249	Human Physiology
BIOL 130S	BIOL 212 + BIOL 214	Animal Diversity and Ecology + Plant Diversity and Evolution
BIOL 190	BIOL 211	Cellular and Molecular Biology
BIOT 101 X	BIOL 190	Introduction to Biotechnology
BIOT 101 BX	BIOL 190 + BIOL 190L	Introduction to Biotechnology & Introduction to Biotechnology Lab
BIOT 150 X	BIOL 191 + BIOL 193	Biotech A: Basic Skills + Biotech C: Nucleic Acids
BIOT 210 X	BIOL 194	Quality and Regulatory Compliance in Biosciences
BIOT 220 X	BIOL 192	Biotech B: Proteins
BUS 110	BUS 100	Fundamentals of Business
BUS 115	BUS 222	Business Writing
BUS 120	BUS 105 or LAW 105	Legal Environment of Business

C-ID Number	SAC Prefix/Number	SAC Course Name
BUS 125	BUS 101	Business Law
BUS 140	BUS 150	Introduction to Information Systems and Applications
CDEV 100	C1000	Child Growth and Development
CDEV 100	PSYC 157	Introduction to Child Psychology
CDEV 100	APCD 107	Apprenticeship Child Growth and Development (DS1)
CDEV 110	CDEV 110	Child, Family and Community
CDEV 110	APCD 110	Apprenticeship Child, Family and Community (DS2)
CHEM 101	CHEM 209	Introductory Chemistry
CHEM 102	CHEM 210	General, Organic, and Biochemistry
CHEM 110	CHEM 219 or CHEM 219H	General Chemistry or Honors General Chemistry
CHEM 120S	CHEM (219 or CHEM 219H) + CHEM 229	General Chemistry or Honors General Chemistry + General Chemistry and Qualitative Analysis
CHEM 150	CHEM 249	Organic Chemistry I
CHEM 160S	CHEM 249 + CHEM 259	Organic Chemistry I + Organic Chemistry II
COMM 110	COMM C1000 or COMM C1000H	Introduction to Public Speaking or Introduction to Public Speaking Honors (formerly CMST 102/102H
COMM 120	CMST 140	Argumentation and Debate
COMM 130	COMM C1004 or COM C1004H	Interpersonal Communication or Interpersonal Communication-Honors
COMM 140	CMST 145	Group Dynamics
COMM 150	CMST 103 or CMST 103H	Introduction to Intercultural Communication or Honors Introduction to Intercultural Communication
COMM 170	CMST 152	Oral Interpretation
COMM 180	CMST 100	Introduction to Communication Studies
COMP 112	CMPR 120	Introduction to Programming
COMP 122	CMPR 121	Programming Concepts
COMP 132	CMPR 131	Data Structures Concepts
COMP 142	CMPR 129	Introduction to Computer Organization

C-ID Number	SAC Prefix/Number	SAC Course Name
COMP 152	CMPR 140	Discrete Structures for Computer Science
DMGR 110X	DM 113	Introduction to Digital Media Design Principles
ECE 120	CDEV 111A	Principles and Practices of Teaching Young Children
ECE 130	CDEV 111B	Introduction to Curriculum for Young Children
ECE 130	APCD 111B	Apprenticeship Introduction to Curriculum for Young Children
ECE 200	CDEV 108	Observation and Assessment for Early Learning and Development
ECE 200	APCD 108	Apprenticeship Observation and Assessment for Early Learning and Development
ECE 210	CDEV 296	Practicum - Student Teaching Field Experience
ECE 210	APCD 296	Apprenticeship Practicum - Student Teaching Field Experience
ECE 220	CDEV 112	Health, Safety and Nutrition for Children
ECE 220	APCD 112	Apprenticeship Health, Safety and Nutrition for Young Children
ECE 230	CDEV 221	Teaching in a Diverse Society
ECE 230	APCD 221	Apprenticeship Teaching in a Diverse Society
ECON 201	ECON C2001	Principles of Microeconomics
ECON 202	ECON C2002	Principles of Macroeconomics
EDUC 200	EDUC 201	Introduction to Elementary Classroom Teaching
ENGL 100	ENGL C1000 or ENGL C1000H	Academic Reading and Writing or Academic Reading and Writing-Honors (formerly 101/101H)
ENGL 105	ENGL C1001 or ENGL C1001H	Critical Thinking and Writing or Critical Thinking and Writing-Honors
ENGL 105	ENGL C1003 or ENGL C1003H	Critical Thinking and Writing Through Literature or Critical Thinking and Writing Through Literature Honors
ENGL 110	ENGL C1003 or ENGL C1003H	Critical Thinking and Writing Through Literature or Critical Thinking and Writing Through Literature-Honors

C-ID Number	SAC Prefix/Number	SAC Course Name
ENGL 120	ENGL C1003 or ENGL C1003H	Critical Thinking and Writing Through Literature or Critical Thinking and Writing Through Literature-Honors
ENGL 130	ENGL 241	Survey of American Literature 1600 - 1865
ENGL 135	ENGL 242	Survey of American Literature 1865-Present
ENGL 140	ENGL 271	Survey of World Literature I
ENGL 145	ENGL 272	Survey of World Literature II
ENGL 160	ENGL 231	Survey of English Literature I
ENGL 165	ENGL 232	Survey of English Literature II
ENGL 180	ENGL 270	Children's Literature
ENGL 200	ENGL 213	Creative Writing
ENGR 110	ENGR 100A	Introduction to Engineering
ENGR 130	ENGR 235	Statics
ENGR 150	ENGR 125	Engineering Graphics
ENGR 180	ENGR 118	Surveying
ENGR 230	ENGR 240	Dynamics
ENGR 240	ENGR 280	Strength of Materials
FIRE 100 X	FTC 101	Fire Protection Organization
FIRE 110 X	FTC 104	Fire Prevention
FIRE 120 X	FTC 106	Fire Protection Systems
FIRE 130 X	FTC 105	Building Construction for Fire Protection
FIRE 140 X	FTC 102	Fire Behavior and Combustion
FIRE 150 X	FTC 103	Principles of Fire and Emergency Service Safety and Survival
FTVE 130	DM 115A	Single-Camera Production and Editing
GEOG 110	GEOG 101	Introduction to the Natural Environment
GEOG 111	GEOG 101L	Introduction to the Natural Environment Laboratory
GEOG 120	GEOG 102	Cultural Geography
GEOG 125	GEOG 100 or GEOG 100H	World Regional Geography or Honors World Regional Geography
GEOG 130	GEOG 130	Introduction to Weather and Climate
GEOG 140	GEOG 140	California Geography

C-ID Number	SAC Prefix/Number	SAC Course Name
GEOG 155	GEOG 155 or BA 150	Introduction to Geographic Information Systems
GEOL 100	GEOL 101	Dynamic Earth: Introduction to Geology
GEOL 100L	GEOL 101L	Dynamic Earth: Introduction to Geology Lab
GEOL 111	GEOL 201	Introduction to Historical Geology
GEOL 120	ERTH 110 or ERTH 110H	Planet Earth: Introduction to Earth Science or Honors Planet Earth: Introduction to Earth Science
GEOL 130	ENVR 140	Environmental Geology
GEOL 130	GEOL 140	Environmental Geology
HIST 130	HIST C1001 or HIST C1001H	United States History to 1877 or United States to 1877-Honors
HIST 140	HIST C1002 or HIST C1002H	United States History Since 1865 or United States History Since 1865-Honors
HIST 150	HIST 101 or HIST 101H	World Civilizations to the 16th Century or Honors World Civilizations to the16th Century
HIST 160	HIST 102 or HIST 102H	World Civilizations Since the 16th Century or Honors World Civilizations Since the 16th Century
HOSP 100	CULN 101 or MGMT 130	Introduction to Hospitality Management
HOSP 110	CULN 110 or NUTR 110	Food Safety and Sanitation
HOSP 120	CULN 202	Hospitality Cost Control
HOSP 130	CULN 203 or MGMT 203	Introduction to Food and Beverage Management
HOSP 140	CULN 201	Introduction to Hotel Management
HOSP 150	CULN 205 or PARA 205	Hospitality Law
HOSP 160	CULN 120	Culinary Fundamentals I
ITIS 120	BUS 150	Introduction to Information Systems and Applications
JOUR 100	JAMS 105	Mass Media and Society
JOUR 110	JAMS 121	Introduction to Reporting and Newswriting
JOUR 130	JAMS 123A	News Media Production
JOUR 131	JAMS 123B	Intermediate News Media Production

C-ID Number	SAC Prefix/Number	SAC Course Name
JOUR 160	JAMS 160	Introduction to Photojournalism
JOUR 160	PHOT 160	Introduction to Photojournaolism
JOUR 170	JAMS 103	Introduction to Visual Communication
JOUR 210	JAMS 210	Intermediate Reporting and Newswriting
KIN 100	KNPR 101	Introduction to Kinesiology
KIN 101	KNHE 106	Cardiopulmonary Resuscitation and First Aid
KIN 101	KNHE 105 + KNHE 107	First Aid and Personal Safety + Cardiopulmonary Resuscitation
LPPS 110	LAW 100 or PARA 100	Introduction to Legal Studies
LPPS 120	LAW 121	Legal Ethical Reasoning
LPPS 120	PARA 121	Legal Ethical Reasoning
MATH 110	STAT C1000 or C1000E or C1000H	Introduction to Statistics or Introduction to Statistics Honors (formerly MATH 219/219H)
MATH 110	STAT C1000E	Introduction to Statistics (formerly MATH 219S)
MATH 110	PSYC 210	Statistics for the Behavioral Sciences
MATH 120	MATH 204	Mathematical Concepts for Elementary School Teachers
MATH 130	MATH 145	Finite Mathematics
MATH 140	MATH 150	Calculus for Biological, Management, and Social Sciences
MATH 155	MATH 170	Pre-Calculus Mathematics
MATH 210	MATH C2210	Calculus I Early Transcendentals
MATH 220	MATH C2220	Calculus II Early Transcendentals
MATH 230	MATH 280	Intermediate Calculus
MATH 851	MATH 162	Trigonometry
MATH 900S	MATH (180 or 180H) + MATH 185	Single Variable Calculus I or Honors Single Variable Calculus I + Single Variable Calculus II
MATH 910S	MATH 287	Introduction to Linear Algebra and Differential Equations
MUS 100	MUS 101 or MUS 101H	Music Appreciation or Honors Music Appreciation
MUS 110	MUS 110	Music Fundamentals
MUS 120	MUS 111	Music Theory and Musicianship I
MUS 125	MUS 111	Music Theory and Musicianship I
MUS 130	MUS 112	Music Theory and Musicianship II
MUS 135	MUS 112	Music Theory and Musicianship II
MUS 140	MUS 213	Music Theory III
MUS 145	MUS 114A	Musicianship III
MUS 150	MUS 214	Music Theory IV
MUS 155	MUS 114B	Musicianship IV
MUS 160	MUS 115A	Applied Music (Private Instruction)
MUS 160	MUS 115B	Applied Music (Private Instruction)
MUS 160	MUS 115C	Applied Music (Private Instruction)
MUS 160	MUS 115D	Applied Music (Private Instruction)
MUS 180	MUS 135	Concert Chorale
MUS 180	MUS 137	Chamber Choir
MUS 180	MUS 171	Concert Band
MUS 180	MUS 175	Jazz Ensemble
MUS 180	MUS 181	Chamber Orchestra
MUS 180	MUS 271	Symphonic Band
NUTR 110	NUTR 115 or NUTR 115H	Nutrition or Honors Nutrition
NUTR 120	NUTR 116	Principles of Food Preparation
NUTR 120	CULN 116	Principles of Food Preparation
PHS 102	KNHE 112	Health and Social Justice
PHS 107	KNHE 108	Stress Management
PHS 101	KNHE 111	Introduction to Public Health
PHS 102	KNHE 112	Health and Social Justice
PHIL 100	PHIL 106 or PHIL 106H	Introduction to Philosophy or Honors Introduction to Philosophy
PHIL 110	PHIL 111	Introductory Logic
PHIL 120	PHIL 108	Ethics
PHYS 105	PHYS 210	Principles of Physics I
PHYS 105	PHYS 279	College Physics I
PHYS 110	PHYS 289	College Physics II
PHYS 110	PHYS 211	Principles of Physics II
PHYS 200S	PHYS 217 +227+237	Engineering Physics I + Engineering Physics II + Engineering Physics III
PHYS 205	PHYS 210	Principles of Physics I
PHYS 205	PHYS 217	Engineering Physics I
PHYS 210	PHYS 227	Engineering Physics II

C-ID Number	SAC Prefix/Number	SAC Course Name
PHYS 215	PHYS 237	Engineering Physics III
POLS 110	POLS C1000 or POLS C1000H	American Government and Politics or American Government and Politics Honors (formerly POLT 101/101H)
POLS 120	POLT 200 or POLT 200H	American Political Thought or Honors American Political Thought
POLS 130	POLT 201	Introduction to Comparative Politics
POLS 140	POLT 220	International Politics
POLS 170	POLT 235	Identity Politics
PSY 110	PSYC C1000 or PSYCH C1000H	Introduction to Psychology or Introduction to Psychology Honors (formerly 100/100H)
PSY 115	PSYC 230	Psychology of Adjustment
PSY 120	PSYC 250	Introduction to Psychopathology
PSY130	IDS 155	Human Sexuality
PSY 150	PSYC 200	Introduction to Biological Psychology
PSY 170	PSYC 240	Introduction to Social Psychology
PSY 170	SOC 240	Introduction to Social Psychology
PSY 180	PSYC 160	Introduction to Lifespan Psychology
PSY 200	PSYC 219	Introduction to Research Methods in Psychology
SJS 110	ETHN 150 or ETHN 150H	Introduction to Ethnic Studies or Honors Introduction to Ethnic Studies
SOCI 110	SOC 100 or SOC 100H	Introduction to Sociology or Honors Introduction to Sociology
SOCI 115	SOC 140 or SOC 140H	Social Problems or Honors Social Problems
SOCI 125	PSYC 210	Statistics for the Behavioral Sciences
SOCI 125	STAT C1000 or STAT C1000H	Statistics and Probability or Honors Statistics and Probability
SOCI 130	SOC 112	Relationships, Marriages, and Family Dynamics
SOCI 150	SOC 150	Intro to Race and Ethnicity
SPAN 100	SPAN 101 or SPAN 101H	Elementary Spanish I or Honors Elementary Spanish I
SPAN 110	SPAN 102 or SPAN 102H	Elementary Spanish II or Honors Elementary Spanish II
SPAN 200	SPAN 201 or SPAN 201H	Intermediate Spanish I or Honors Intermediate Spanish I
SPAN 210	SPAN 202 or SPAN 202H	Intermediate Spanish II or Honors Intermediate Spanish II
SWHS 110	CNSL 150	Introduction to Social Work and Human Services
SWHS 120A	CNSL 170	Social Work and Human Services Fieldwork Seminar
SWHS 120B	CNSL 175	Social Work and Human Services Fieldwork
THTR 111	THEA 100	Introduction to Theatre
THTR 113	THEA 105	Theatre History I
THTR 151	THEA 110	Acting Fundamentals
THTR 152	THEA 111	Intermediate Acting
THTR 171	THEA 131	Stagecraft
THTR 173	THEA 133	Lighting Fundamentals
THTR 174	THEA 136	Introduction to Stage Costume
THTR 174	FDM 136	Introduction to Stage Costume
THTR 175	THEA 132	Stage Makeup
THTR 191	THEA 154	Performance Ensemble
THTR 191	THEA 150A	Rehearsal and Performance in Production
THTR 191	THEA 155	Children’s Theatre Ensemble
THTR 191	THEA 150	Theatre Production
THTR 191	THEA 151	Showcase
THTR 191	THEA 152	Tour Ensemble
THTR 192	THEA 135	Technical Production
THTR 192	THEA 150	Theatre Production
THTR 192	THEA 150B	Technical Theatre in Production

Course Codes

ACCT Accounting
BLST African American/Black Studies
ASL American Sign Language
ANTH Anthropology
ART Art
ARTH Art History
ASIA Asian American Studies
ASTR Astronomy
AUTO Automotive Technology
BANK Banking
BIOL Biology
BUS Business
BA Business Applications
CHEM Chemistry
CDEV Child Development
APCD Child Development - Apprenticeship
CHNS Chinese
CHST Chicano Studies
CMST Communication Studies
COMM Communication Studies
CMPR Computer Science
CNSL Counseling
CJ Criminal Justice
CJA Criminal Justice Academies
CULN Culinary Arts
DNCE Dance
DSL Diesel
DETT Diesel Electric Transportation Technology
DM Digital Media
ERTH Earth Science
ECON Economics
EDUC Education
APED Education - Apprenticeship
EMT Emergency Medical Technician
ENGR Engineering
ENGL English
EMLS English For Multilingual Students
ENTR Entrepreneurship
ENVR Environmental Studies
ETHN Ethnic Studies
FDM Fashion Design and Merchandising
FAC Fire Academy
FOT Fire Officer Training
FSA Fire Public Safety
FTC Fire Technology
FREN French
GEOG Geography
GEOL Geology
HIST History
INFO Information Studies
IDS Interdisciplinary Studies
ITAL Italian
JAPN Japanese
JAMS Journalism and Media Studies
KNAC Kinesiology Activities
KNAD Kinesiology Adapted Activities
KNAF Kinesiology Aerobic Fitness
KNAQ Kinesiology Aquatics
KNFI Kinesiology Fitness
KNHE Kinesiology Health Education
KNIA Kinesiology Intercollegiate Athletics
KNPR Kinesiology Professional
KNSM Kinesiology Sports Medicine
LAW Law
LIBR Library Technology
MGMT Management
MNFG Manufacturing Technology
MKTG Marketing
MATH Mathematics
MA Medical Assistant
MUS Music
NCE Nursing-Continuing Education
NRN Nursing-Registered
NUTR Nutrition and Food
OS Occupational Studies
OTA Occupational Therapy Assistant
PARA Paralegal
PHAR Pharmacy Technology
PHIL Philosophy
PHOT Photography
PSC Physical Science
PHYS Physics
POLS Political Science
POLT Political Science
PSYC Psychology
SOC Sociology
SPAN Spanish
SPLA Speech-Language Pathology Assistant
STAT Statistics
STDY Study Skills
THEA Theatre Arts
VIET Vietnamese
WELD Welding
WMNS Women’s Studies

Common Course Numbering (CCN)

CCN is a state mandated inititative (AB 1111) designed to align common course numbering to select courses. This process will assign the same prefix, number, and title to select courses at all California Community Colleges. See below for Common Course Numbering changes for Santa Ana College effective Fall 2025 and Fall 2026. Additional CCN courses will be implemented in Fall 2027.

New CCN Course	New CCN Course Title	Prior SAC Course	Term Changed
ARTH C1100	Survey of Western Art History I: Prehistory through the Middle Ages	ART 101	FALL 2026
ARTH C1200	Survey of Art from the Renaissance to Contemporary	ART 102	FALL 2026
CDEV C1000	Child Growth and Development	CDEV 107	FALL 2026
COMM C1000	Introduction to Public Speaking	CMST 102	FALL 2025
COMM C1000H	Introduction to Public Speaking - Honors	CMST 102H	FALL 2025
COMM C1004	Interpersonal Communication	CMST 101	FALL 2026
COMM C1004H	Interpersonal Communication - Honors	CMST 101H	FALL 2026
ECON C2001	Principles of Microeconomics	ECON 121	FALL 2026
ECON C2002	Principles of Macroeconomics	ECON 120	FALL 2026
ENGL C1000	Academic Reading and Writing	ENGL 101	FALL 2025
ENGL C1000H	Academic Reading and Writing - Honors	ENGL 101H	FALL 2025
ENGL C1000E	Academic Reading and Writing	ENGL 100E	FALL 2026
ENGL C1001	Critical Thinking and Writing	ENGL 103	FALL 2025
ENGL C1001H	Critical Thinking and Writing - Honors	ENGL 103H	FALL 2025
ENGL C1003	Critical Thinking and Writing through Literature	ENGL 102	FALL 2026
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	ENGL 102H	FALL 2026
HIST C1001	United States History to 1877	HIST 120	FALL 2026
HIST C1001H	United States History to 1877 - Honors	HIST 120H	FALL 2026
HIST C1002	United States History since 1865	HIST 121	FALL 2026
HIST C1002H	United States History since 1865 - Honors	HIST 121H	FALL 2026
MATH C2210	Calculus I: Early Transcendentals	MATH 180	FALL 2026
MATH C2220	Calculus II: Early Transcendentals	MATH 185	FALL 2026
STAT C1000	Introduction to Statistics	MATH 219	FALL 2025
STAT C1000E	Introduction to Statistics	MATH 219S	FALL 2025
STAT C1000H	Introduction to Statistics - Honors	MATH 219H	FALL 2025
POLS C1000	American Government and Politics	POLT 101	FALL 2025
POLS C1000H	American Government and Politics - Honors	POLT 101H	FALL 2025
PSYC C1000	Introduction to Psychology	PSYC 100	FALL 2025
PSYC C1000H	Introduction to Psychology - Honors	PSYC 100H	FALL 2025

BACCALAUREATE DEGREES

AUTOMOTIVE TECHNOLOGY

Automotive Technology: B.S. Degree

Program Code: SAC.AUTO.BS

Program Control Number: 46284

The baccalaureate degree in Automotive Technology is designed to prepare students for employment at original equipment manufacturers (OEM), such as, but not limited to, Stellantis, General Motors, Ford Motor Company, Subaru, Mercedes-Benz, Hyundai, Honda, Toyota, Cummins, International, and Volvo. Additionally, the program prepares students for other senior technical, leadership, and managerial opportunities at local dealerships, repair facilities, diagnostic tool companies, medium/heavy-duty maintenance repair facilities, and as educators in public or private sectors. Technical, hands-on instruction on modern automobiles and other vehicles is at the core of the program, accompanied by coursework to attain various skills required for employment at automobile manufacturer companies, dealerships, and other service/repair facilities.

Prerequisite:

Associate degree in automotive technology, diesel/heavy-duty technology, or an automotive manufacturer-specific program, such as Mopar CAP, Honda PACT, General Motors ASEP, Ford ASSET, Toyota T-TEN or other automotive manufacturer-specific program, from an accredited institution.

To complete the baccalaureate of science in Automotive Technology, students must complete the following:

1. General Education Requirement: complete the Cal-GETC lower division general education pattern; OR complete the Santa Ana College Associate Degree General Education (GE) Requirements (Plan 1) with coursework completed from Plan 1 to total a minimum of 27 semester units (note that Plan 1 consists of a minimum of 24 units, so additional Plan 1 coursework may be needed to reach 27 units).

2. Upper Division General Education Requirement: A minimum of 9 units of Upper Division Level General Education coursework as listed in program information.

3. Major Course Work: Complete all upper division major course requirements as listed in program information.

4. Major Requirement: Complete all upper division major course requirements with a grade of “C” or better or Pass (“P”).

5. Complete any elective courses that are baccalaureate level for a minimum of 120 units. Lower-division courses acceptable towards a baccalaureate degree are designated as CSU transferable or determined to be at the baccalaureate level.

a. Lower-division courses from other U.S. institutions with institutional accreditation (that meets district and program standards of rigor) will be reviewed by a counselor and graduation specialist to determine baccalaureate credit based on course description, comparable content, appropriate prerequisites, or C-ID number.

6. Residence Requirement - at least 12 units of upper division coursework must be completed at Santa Ana College or Santiago Canyon College or a combination of the two.

7. All lower-division requirements and pre-requisites must be met before the baccalaureate degree is granted.

Learning Outcome(s):

1. Students will demonstrate proficient knowledge of advanced mechanical and electrical systems found on modern automobiles and other vehicles as designated by Automotive Service Excellence (ASE) standards and guidelines.
2. Students will demonstrate career and technical-based skills focused on advanced transportation technologies in preparation for employment at an original equipment manufacturer (OEM) facility or other transportation-related facility.
3. Students will explain the various career options found at original equipment manufacturers (OEMs), transportation repair facilities, or within education sectors and discuss the requirements and expectations needed for successful employment.

Technical Course Requirements		*29.0*
AUTO 300	Introduction to Automotive Manufacturers	3.0
AUTO 318	Advanced Engine Performance (L1)	4.0
AUTO 320	Electronic Diesel Engine Diagnosis (L2)	4.0
AUTO 330	Automobile Service Consultant (C1)	3.0
AUTO 340	Alternative Fuels (F1/H1)	3.0
AUTO 350	Advanced Driver Assistance Systems (L4)	4.0
AUTO 360	Light Duty Hybrid/Electric Vehicles (L3)	4.0
AUTO 399	Automotive Work Experience - Technical Skills	4.0
General Education Requirements		*9.0*
CMST 310	Communication and Conflict Resolution	3.0
ENVR 370	Environmental Impacts of Industrial Development	3.0
CMPR 380	SQL Technology	3.0
Advanced Course Requirements		*22.0*
AUTO 400	Transportation Leadership and Management	3.0
AUTO 410	Transportation Supply Chain	3.0
AUTO 420	Transportation Ethics	3.0
AUTO 430	Dealership and Manufacturer Relationship	3.0
AUTO 440	Educators and Technical Trainers	3.0
AUTO 495	Automotive Technology Capstone	3.0
AUTO 499	Automotive Work Experience - Leadership Skills	4.0
		Total: 60.0

OCCUPATIONAL STUDIES

Occupational Studies: B.S. Degree

Program Code: SAC.OS.BS

Program Control Number: 34014

The baccalaureate degree in Occupational Studies will create a more highly skilled occupational therapy assistant (OTA) who is better able to understand and utilize research-based evidence for best practice and take on a leadership role. As an additional benefit, it will prepare an OTA for entry into an Occupational Therapy (OT) Master's degree program. The upper division course work will provide more in-depth training in specific areas of OT practice, including neurologic rehabilitation, musculoskeletal rehabilitation, pediatrics, geriatrics, and key practice areas identified by the American Occupational Therapy Association. These courses, together with a capstone project, will also provide increased opportunities for critical analysis, research methods, and clinical reasoning. To complete the Bachelor of Science in Occupational Studies, students must complete: (1) complete all upper division major course requirements with a grade of "C" or better or Pass ("P"); (2) complete the Cal-GETC lower division general education pattern; the CSU-GE Breadth pattern or IGETC pattern may be used in some cases, please see a counselor for details; OR complete the Santa Ana College Associate Degree General Education (GE) Requirements (Plan 1) with coursework completed from Plan 1 to total a minimum of 27 semester units (note that Plan 1 consists of a minimum of 24 units so additional Plan 1 coursework may be needed to reach 27 units).

Prerequisite: Associate Degree from an ACOTE and regionally accredited OTA program and OTA Certification/License

Learning Outcome(s):

1. Students will demonstrate advanced mastery of Occupational Therapy Assistant (OTA) clinical skills, including clinical reasoning, that follow the guidelines established in the Occupational Therapy Practice Framework: Domain and Process.
2. Students will relate theory and research to clinical practice areas.
3. Students will provide OTA services that meet the community needs of diverse populations demonstrating sensitivity and empathy.
4. Students will participate in advocacy for clients in clinical and community settings.

Required lower division courses specific to the Occupational Studies BS Degree		*Units: 14.0*
Statistics		*4.0-4.5*
PSYC 210	Statistics for the Behavioral Sciences	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
PHYS 109	Survey of General Physics	4.0
SOC 100	Introduction to Sociology	3.0
SOC 100H	Honors Introduction to Sociology	3.0
PHIL 108	Ethics	3.0

Required upper division major courses specific to the Occupational Studies BS Degree		*Units: 30.0*
OS 301	Therapeutic Approaches to the Older Adult	3.0
OS 304	Movement Theory & Analysis	3.0
OS 305	Advanced Pediatric Practice for the Occupational Therapy Assistant (OTA)	3.0
OS 310	Community-Based Occupational Therapy Practice	3.0
OS 312	Advanced Practice Areas in Occupational Therapy (OT)	3.0
OS 325	Applying Research to Occupational Therapy Intervention	3.0
OS 402	Neurological Principles in Human Performance	4.0
OS 403	Leadership for the Occupational Therapy Assistant (OTA)	2.0
OS 410	Healthcare Systems	3.0
OS 412	Capstone Seminar	3.0

Required upper division general education courses specific to the Occupational Studies BS Degree		*Units: 10.0*
MATH 319	Quantitative Research Methods for Healthcare Professionals	4.0
CMST 307	Health Communication	3.0
SOC 401	The Sociology of Health, Illness, and Healing	3.0

Total: 54.0

PARALEGAL

Paralegal Studies: B.A. Degree
Program Code: SAC.PS.BA
Program Control Number: 45342

The baccalaureate degree in Paralegal Studies will create a more highly skilled paralegal who is better prepared by education to perform substantial legal work under the direction and supervision of an active member of the State Bar of California, as defined by section 6450 of the California Business and Professions Code, who are qualified by education, who either contracts with or is employed by an attorney, law firm, corporation, governmental agency, or other entity, and who performs substantial legal work under the direction and supervision of an active member of the State Bar of California, as defined in Section 6060, or an attorney practicing law in the federal courts of this state, that has been specifically delegated by the attorney to him or her. This program is approved by the American Bar Association.

As an additional benefit, it will prepare the student to take the NALA Certified Paralegal Exam. The upper division course work will provide more in-depth training in specific areas of professional paralegals, including civil litigation, discovery and administration of electronically stored information, trial preparation and presentation, legal project management, advance technology issues such as privacy and security, advanced electronic research, contract management, regulatory compliance, legal investigations, clinic and work experience opportunities, and advanced legal ethics.

This program is not designed to prepare students for the practice of law.

To complete the Bachelor of Arts in Paralegal Studies, students must:

1. Complete Program Prerequisites of either:

   a. Associate Degree from an ABA-approved paralegal program that is from a U.S. institutionally accredited institution (that meets district and program standards of rigor).

   b. Or a Certificate from an ABA-approved paralegal program that is from a U.S. institution with accreditation from a formerly regional accrediting agency with any associate or baccalaureate degree from any regionally accredited institution.
2. General Education Requirement: complete the Cal-GETC lower division general education pattern; the CSU-GE Breadth pattern or IGETC pattern may be used in some cases, please see a counselor for details; OR complete the Santa Ana College Associate Degree General Education (GE) Requirements (Plan 1) with coursework completed from Plan 1 to total a minimum of 27 semester units (note that Plan 1 consists of a minimum of 24 units so additional Plan 1 coursework may be needed to reach 27 units).
3. Upper Division General Education Requirement: A minimum of 9 units of Upper Division Level General Education coursework as listed in program information.
4. Major Course Work: Complete all upper division major course requirements as listed in program information.
5. Major Requirement: Complete all upper division major course requirements with a grade of “C” or better.
6. Complete any elective courses that are baccalaureate level for a minimum of 120 units. Lower-division courses acceptable towards a baccalaureate degree are designated as CSU transferable or determined to be at the baccalaureate level.

   a. Lower-division courses from other U.S. institutionally accredited institutions (that meet district and program standards of rigor) will be reviewed by a counselor and graduation specialist to determine baccalaureate credit based on course description, comparable content, appropriate prerequisites, or C-ID number.
7. Residence Requirement - At least 12 units of upper division coursework must be completed at Santa Ana College or Santiago Canyon College or a combination of the two.
8. All lower-division requirements and pre-requisites must be met before the baccalaureate degree is granted.

Learning Outcome(s):

1. Students will be able to critically analyze and evaluate legal systems and sources of law, apply advanced electronic research techniques, manage complex legal projects, and create comprehensive strategies for civil discovery processes.
2. Students will have technical and practical skills to evaluate, create, and safeguard information that is electronically created, stored, collected, reviewed, produced, and encountered in the criminal and civil litigation process, as part of transactional work, or within the legal profession.
3. Students will demonstrate advanced proficiency in paralegal roles and duties, including client communication and legal ethics as established by the California Business and Professions Code Section 6450 and the California Rules of Professional Conduct for Attorneys.

Paralegal Upper Division Required Courses		*Units: 31.0-34.0*
PARA 310	Courtroom & Litigation Technology	3.0
PARA 320	Advanced Technology in the Law Office	3.0
PARA 321	Advanced Legal Ethics	3.0
PARA 330	Legal Project Management	3.0
PARA 345	Advanced Civil Litigation	3.0
PARA 348	Advanced Legal Research, Analysis, and Writing	3.0
PARA 350	Contract Management & Corporate Documents	2.0
PARA 370	Administrative Law and Regulatory Compliance	2.0
PARA 401	Advanced Law Office Procedure, Transactions, and Forms	3.0
PARA 407	Advanced Criminal Procedure	3.0
PARA 497	Advanced Paralegal Capstone	2.0
Work Experience - Take at least 1 unit from the following:		*1.0-4.0*
PARA 399	Advanced Work Experience - Paralegal	1.0-4.0
PARA 499	Advanced Work Experience - CLIRRC	1.0-4.0
General Education Upper Division Required Courses		*Units: 9.0*
CMST 310	Communication and Conflict Resolution	3.0
ENGL 301	Law and Literature	3.0
PSYC 350	Psychology and Law	3.0
		Total: 40.0-43

INSTRUCTIONAL PROGRAMS

Programs of study leading to the certificate or the associate degree or certification in specialized vocational areas are alphabetically arranged. Programs which lead to transfer to universities and four-year colleges do not necessarily reflect the transfer requirements of specific schools. If the student wishes to receive an associate degree in a specific discipline, the requirements as set forth must be met. However, in planning a program for transfer, it should be noted that the transfer requirements for both the major and general education vary widely. Hence it is recommended that the student review the catalog of the school of transfer and consult with the counseling staff of Santa Ana College in planning transfer objectives. Required sequences and frequency of course offerings as well as length of time required to obtain a degree or certificate can be found on the college website at: https://sac.edu/division/

ACCOUNTING

Accounting: A.S. Degree

Program Code: SAC.ACCT.AS

Program Control Number: 04187

The associate degree in accounting prepares students for entry-level positions and promotional opportunities in accounting, taxation, and administrative departments of businesses in areas such as manufacturing, merchandising, financial service, wholesale trades, and government. Specialized training in accounting enables students to maintain accounting records and develop financial reports and make effective use of financial information for analysis and decision-making. Entry-level employment opportunities include positions in accounts receivable and accounts payable, payroll, income tax preparation, and cost accounting. Promotional opportunities include higher-level responsibilities in these areas and the areas of general ledger, financial statement preparation, and financial statement analysis.

Learning Outcome(s):

1. communicate business and financial information in a clear, concise, and well organized manner.
2. apply accounting knowledge to measure financial information and communicate through financial statements.
3. analyze business and accounting information to solve problems.

Core Courses for the associate in science degree:		*21.0*
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
ACCT 104	Federal and California Taxes	4.0
ACCT 210	Accounting Information Systems	3.0
BUS 150	Introduction to Information Systems and Applications	3.0
MGMT 122	Business Communications	3.0
	–or–	
BUS 222	Business Writing	3.0
Select a minimum of 3 units from the following electives:		*3.0-4.0*
ACCT 108	Tax Practices and Procedures	3.0
ACCT 113	Intermediate Income Taxes – Corporations	2.0
ACCT 114	Intermediate Income Taxes - Partnerships and LLCs	2.0
ACCT 124	Computerized Income Tax Preparation	2.0
ACCT 125	Volunteer Income Tax Assistance (VITA) I	2.0
ACCT 204	Managerial Cost Accounting	3.0
ACCT 205	Intermediate Accounting I	3.0
ACCT 206	Intermediate Accounting II	3.0
ACCT 211	Auditing	3.0
ACCT 212	Accountants' Ethics and Responsibilities	4.0
		Total: 24.0-25.0

Banking & Finance: A.S Degree

Program Code: SAC.BUBF.AS

Program Control Number: 46373

The Banking & Finance Associate of Science Degree provides students with a strong foundation in financial services, business operations, and digital banking technologies. This program is designed for individuals seeking career advancement or transfer opportunities in the growing fields of retail banking, lending, compliance, and financial technology. Students develop skills in banking operations, customer service, financial software, regulatory compliance, and business communication. Graduates will be prepared for employment in financial institutions, including positions such as personal banker, operations analyst, loan officer, or client services specialist.

Learning Outcome(s):

1. Analyze and apply advanced principles of banking, finance, and customer relationship management in both traditional and digital banking environments.
2. Demonstrate workforce readiness for mid-level roles in financial institutions through professional communication, critical thinking, and financial decision-making.
3. Interpret and apply regulatory, compliance, and ethical frameworks in banking operations, lending, and financial services.
4. Integrate business mathematics, financial software, and office productivity tools to solve common industry problems and support operational efficiency.

		28.0
BANK 100	Introduction to Banking & Finance	3.0
BANK 101	Deposit Systems & Operations	2.0
BANK 102	Lending Practices	2.0
BANK 103	Regulatory & Compliance in Banking	2.0
BANK 104	Customer Service in Financial Settings	2.0
BANK 105	Technology for Banking & Finance	2.0
BA 103	Business Mathematics	3.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 102	Professional Skills & Career Readiness	3.0
BUS 100	Fundamentals of Business	3.0
BUS 140	Principles of Finance	3.0
Elective Courses: Select ONE of the following.		*1.0-4.0*
BANK 110	Work Experience - Banking & Finance	1.0-4.0
BA 105	Introduction to AI for Business	3.0
BUS 120	Principles of Management	3.0
MGMT 120	Principles of Management	3.0
BUS 130	Personal Finance	3.0
		Total: 29.0-32.0

Accounting: Certificate of Achievement
Program Code: SAC.ACCTN.CA
Program Control Number: 21748

A certificate in accounting prepares students for entry-level positions and promotional opportunities in accounting, taxation, and administrative departments of businesses in public and private sector areas such as manufacturing, merchandising, financial service, wholesale trades, and government. Specialized training in accounting and finance principles and practices enables students to maintain accounting records and develop financial reports and make effective use of financial information for analysis and decision-making. Entry-level employment opportunities include positions in accounts receivable/payable, payroll, income tax preparation, cost accounting, and a number of trainee positions. Promotional opportunities include higher-level responsibilities in these areas and the areas of general ledger, financial statement preparation, and financial statement analysis.

Learning Outcome(s):

1. Acquire adequate knowledge of accounting to enter into a business environment as an entry level clerk.

Core Requirements:		*15.0-16.0*
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
BUS 222	Business Writing	3.0
	–or–	
MGMT 122	Business Communications	3.0
ACCT 210	Accounting Information Systems	3.0
	–or–	
BA 188	Microsoft Excel	2.0
BA 189	Advanced Microsoft Excel	2.0
Select a minimum of 6 units from the following:		*6.0-8.0*
ACCT 032	Payroll Accounting	2.0
ACCT 035	QuickBooks I	2.0
ACCT 036	QuickBooks II	2.0
ACCT 104	Federal and California Taxes	4.0
ACCT 108	Tax Practices and Procedures	3.0
ACCT 113	Intermediate Income Taxes – Corporations	2.0
ACCT 114	Intermediate Income Taxes - Partnerships and LLCs	2.0
ACCT 124	Computerized Income Tax Preparation	2.0
ACCT 204	Managerial Cost Accounting	3.0
ACCT 205	Intermediate Accounting I	3.0
ACCT 206	Intermediate Accounting II	3.0
ACCT 211	Auditing	3.0
ACCT 212	Accountants' Ethics and Responsibilities	4.0
		Total: 21.0-24.0

Banking & Finance: Certificate of Achievement
Program Code: SAC.ACTBF.CA
Program Control Number: 40503

This program is designed to address the changes and advances in banking regulations, technology and other factors. The courses in this certificate will help provide the skills necessary to prepare students for entry-level banking positions in the new fast-moving environment of banking in the 21st century. Students that complete this certificate will be competitive applicants for entry-level positions in the modern banking environment.

Learning Outcome(s):

1. Be familiar with banking products and services.
2. Understand basic banking computer systems.
3. Define customer and personal service skills.

Required Courses:		*13.0*
BANK 100	Introduction to Banking & Finance	3.0
BANK 101	Deposit Systems & Operations	2.0
BANK 102	Lending Practices	2.0
BANK 103	Regulatory & Compliance in Banking	2.0
BANK 104	Customer Service in Financial Settings	2.0
BANK 105	Technology for Banking & Finance	2.0
Elective Courses: Select ONE of the following.		*1.0-4.0*
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 102	Professional Skills & Career Readiness	3.0
BUS 100	Fundamentals of Business	3.0
BA 105	Introduction to AI for Business	3.0
BUS 130	Personal Finance	3.0
BUS 140	Principles of Finance	3.0
BA 103	Business Mathematics	3.0
BANK 110	Work Experience - Banking & Finance	1.0-4.0
		Total: 14.0-17.0

Certificate of Professional Accounting - Accounting Study & Ethics: Certificate of Achievement

Program Code: SAC. ACTSE.CA

Program Control Number: 35675

This certificate is designed for an individual that has a bachelor's degree other than in accounting that wishes to be licensed as Certified Public Accountant (CPA). This certificate in conjunction with Certificate of Professional Accounting – Accounting Subjects and Certificate of Professional Accounting – Business Subjects will prepare an individual for the CPA exam as well as meet the educational requirements for licensure. Alternatively, a student that already possesses a bachelor's degree in Accounting from a major College or University may solely complete this certificate to fulfill the educational requirements for licensure. The courses contained in this certificate meet the specific course requirements set forth by the California Board of Accountancy (CBA) including the requirements of SB 773. Upon successful completion of this certificate along with the Certificate of Professional Accounting – Accounting Subjects and Certificate of Professional Accounting – Business Subjects, a student will have taken all the necessary Accounting, Business and Ethics courses required for licensure (license granted upon successful passing of the Uniform CPA exam). CPA licensure affords promotional opportunities in public accounting, taxation, as well as administrative departments of businesses in public and private sector areas such as manufacturing, merchandising, financial service, wholesale trades, and government. This certificate covers accounting and ethical principles necessary for financial reporting, analysis and critical review of accounting information. Entry level employment opportunities include professional positions in financial statement auditing, income tax preparation, cost accounting, financial reporting and a number of trainee positions. Promotional opportunities include higher-level responsibilities in these same areas.

Note 1: Some of the courses listed in this certificate overlap with courses listed in the Certificate of Professional Accounting – Accounting Subjects and/or the Certificate of Professional Accounting – Business Subjects. It is imperative that an individual does not take any courses for this certificate that have already counted towards either the Certificate of Professional Accounting – Accounting Subjects or the Certificate of Professional Accounting – Business Subjects. Additionally, a student must understand the requirements for "Accounting Study" set forth by the CBA and listed below:

- Minimum 6 semester units in accounting subjects
- Maximum 14 semester units in business-related subjects
- Maximum 9 semester units in other academic work relevant to business and accounting (maximum 3 units from any one area):
    - Skills-based courses – Courses completed in the following disciplines: English, Communications, Journalism, and the Physical, Life, Natural, & Social Sciences
    - Foreign Languages/Cultural & Ethnic Studies – Courses in foreign languages (including sign language) and courses with the terms "culture, cultural, or ethnic" in the titles
    - Industry-based courses – Courses with the words "industry" or "administration" in the title or courses completed in the following disciplines: Engineering, Architecture, and Real Estate
- Maximum 4 semester units in internships/independent studies in accounting and/or business-related subjects

For more information regarding the "Accounting Study" educational requirements set forth by the CBA please refer to:

http://www.dca.ca.gov/cba/applicants/ed-requirements.shtml

Note 2: While a bachelor's degree is not a prerequisite to obtain this certificate, the student needs to obtain a bachelor's degree for CPA exam eligibility (may occur concurrently). In addition to passing the Uniform CPA exam and meeting the educational requirements, an individual must also meet general accounting and business work experience as required by the CBA for licensure. Please refer to

http://www.dca.ca.gov/cba/index.shtml for a complete list of all requirements and options for licensure requirements for a CPA.

Note 3: A student may be eligible to sit for the CPA exam concurrent with obtaining this certificate. To qualify and sit for the Uniform CPA exam one will need a bachelor's degree and evidence of at least 24 semester units of business-related subjects and 24 semester units of accounting subjects. For more information regarding this requirement, please refer to: http://www.dca.ca.gov/cba/applicants/ed-requirements.shtml

Learning Outcome(s):

1. Demonstrate accounting and business concepts in the certificate classes through examination and practical exercises.
2. Prepare accounting and business reports based upon relevant accounting and business principles.

Ethics - Required Courses - 10 Units		*10.0*
ACCT 212	Accountants' Ethics and Responsibilities	4.0
BUS 101	Business Law	3.0
	–or–	
BUS 105	Legal Environment of Business	3.0
PHIL 108	Ethics	3.0
Accounting Study - Accounting Subjects Electives - Select At Least 6 Units		*6.0*
ACCT 035	QuickBooks I	2.0
ACCT 036	QuickBooks II	2.0
ACCT 104	Federal and California Taxes	4.0
ACCT 108	Tax Practices and Procedures	3.0
ACCT 113	Intermediate Income Taxes – Corporations	2.0
ACCT 114	Intermediate Income Taxes - Partnerships and LLCs	2.0
ACCT 124	Computerized Income Tax Preparation	2.0
ACCT 204	Managerial Cost Accounting	3.0
ACCT 205	Intermediate Accounting I	3.0
ACCT 206	Intermediate Accounting II	3.0
ACCT 210	Accounting Information Systems	3.0
ACCT 211	Auditing	3.0
Accounting Study - Business Subjects Electives - Select No More Than 14 Units:		*14.0*
BUS 100	Fundamentals of Business	3.0
BUS 120	Principles of Management	3.0
BUS 121	Human Relations and Organizational Behavior	3.0
BUS 125	Introduction to International Business	3.0
BUS 130	Personal Finance	3.0
BUS 140	Principles of Finance	3.0
BUS 160	Introduction to Stock and Bond Investments	3.0
BUS 222	Business Writing	3.0
MKTG 113	Principles of Marketing	3.0
CMPR 167	Microsoft Access	3.0
BA 188	Microsoft Excel	2.0
BA 189	Advanced Microsoft Excel	2.0
		Total:30.0

Certificate of Professional Accounting - Accounting Subjects: Certificate of Achievement

Program Code: SAC. ACTSU.CA

Program Control Number: 35674

This certificate is designed for an individual that has a bachelor's degree other than in accounting that wishes to be licensed as Certified Public Accountant (CPA). This certificate in conjunction with Certificate of Professional Accounting – Business Subjects and Certificate of Professional Accounting – Accounting Study & Ethics will prepare an individual for the CPA exam as well as meet the educational requirements for licensure. The courses contained in this certificate meet the specific course requirements of section "Accounting Subjects" set forth by the California Board of Accountancy (CBA). Upon successful completion of this certificate along with the Certificate of Professional Accounting – Business Subjects and Certificate of Professional Accounting – Accounting Study & Ethics, a student will have taken all the necessary Accounting, Business and Ethics courses required for licensure (license granted upon successful passing of the Uniform CPA exam). CPA licensure affords promotional opportunities in public accounting, taxation, as well as administrative departments of businesses in public and private sector areas such as manufacturing, merchandising, financial service, wholesale trades, and government. This certificate covers accounting principles necessary for financial reporting, analysis and critical review of accounting information. Entry-level employment opportunities include professional positions in financial statement auditing, income tax preparation, cost accounting, financial reporting and a number of trainee positions. Promotional opportunities include higher-level responsibilities in these same areas.

Note 1: Some of the courses listed in this certificate overlap with courses listed in the Certificate of Professional Accounting – Business Subjects and/or the Certificate of Professional Accounting – Accounting Study & Ethics. It is imperative that an individual does not take any courses for this certificate that have already counted towards either the Certificate of Professional Accounting – Business Subjects or the Certificate of Professional Accounting – Accounting Study & Ethics.

Note 2: While a bachelor's degree is not a prerequisite to obtain this certificate, the student needs to obtain a bachelor's degree for CPA exam eligibility (may occur concurrently). In addition to passing the Uniform CPA exam and meeting the educational requirements, an individual must also meet general accounting and business work experience as required by the CBA for licensure. Please refer to http://www.dca.ca.gov/cba/index.shtml for a complete list of all requirements and options for licensure requirements for a CPA.

Note 3: A student may be eligible to sit for the CPA exam concurrent with obtaining this certificate. To qualify and sit for the Uniform CPA exam one will need a bachelor's degree and evidence of at least 24 semester-units of business-related subjects and 24 semester- units of accounting subjects. For more information regarding this requirement, please refer to: http://www.dca.ca.gov/cba/applicants/ed-requirements.shtml

Learning Outcome(s):

1. Illustrate understanding of accounting concepts through examination and practical exercises.
2. Prepare accounting financials based upon accounting principles.

Accounting Subjects - Required Courses - 21 Units		*21.0*
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
ACCT 104	Federal and California Taxes	4.0
ACCT 205	Intermediate Accounting I	3.0
ACCT 206	Intermediate Accounting II	3.0
ACCT 211	Auditing	3.0
Accounting Subjects - Electives Select a minimum of 3 units		*3.0-5.0*
ACCT 113	Intermediate Income Taxes – Corporations	2.0
ACCT 114	Intermediate Income Taxes - Partnerships and LLCs	2.0
ACCT 204	Managerial Cost Accounting	3.0
ACCT 210	Accounting Information Systems	3.0
	Total: 24.0-26.0	

Certificate of Professional Accounting - Business Subjects: Certificate of Achievement

Program Code: SAC.ACTBS.CA

Program Control Number: 35703

This certificate is designed for an individual that has a bachelor's degree other than in accounting that wishes to be licensed as Certified Public Accountant (CPA). This certificate in conjunction with Certificate of Professional Accounting – Accounting Subjects and Certificate of Professional Accounting – Accounting Study & Ethics will prepare an individual for the CPA exam as well as meet the educational requirements for licensure. The courses contained in this certificate meet the specific course requirements of section "Business Subjects" set forth by the California Board of Accountancy (CBA). Upon successful completion of this certificate along with the Certificate of Professional Accounting – Accounting Subjects and Certificate of Professional Accounting – Accounting Study & Ethics, a student will have taken all the necessary Accounting, Business and Ethics courses required for licensure (license granted upon successful passing of the Uniform CPA exam). CPA licensure affords promotional opportunities in public accounting, taxation, as well as administrative departments of businesses in public and private sector areas such as manufacturing, merchandising, financial service, wholesale trades, and government. This certificate covers business & finance principles necessary for financial reporting, analysis and critical review of accounting information. Entry-level employment opportunities include professional positions in financial statement auditing, income tax preparation, cost accounting, financial reporting and a number of trainee positions. Promotional opportunities include higher-level responsibilities in these same areas.

Note 1: Some of the courses listed in this certificate overlap with courses listed in the Certificate of Professional Accounting – Accounting Subjects and/or the Certificate of Professional Accounting – Accounting Study & Ethics. It is imperative that an individual does not take any courses for this certificate that have already counted towards either the Certificate of Professional Accounting – Accounting Subjects or the Certificate of Professional Accounting – Accounting Study & Ethics.

Note 2: While a bachelor's degree is not a prerequisite to obtain this certificate, the student needs to obtain a bachelor's degree for CPA exam eligibility (may occur concurrently). In addition to passing the Uniform CPA exam and meeting the educational requirements, an individual must also meet general accounting and business work experience as required by the CBA for licensure. Please refer to http://www.dca.ca.gov/cba/index.shtml for a complete list of all requirements and options for licensure requirements for a CPA.

Note 3: A student may be eligible to sit for the CPA exam concurrent with obtaining this certificate. To qualify and sit for the Uniform CPA exam one will need a bachelor's degree and evidence of at least 24 semester units of business-related subjects and 24 semester units of accounting subjects. For more information regarding this requirement, please refer to: http://www.dca.ca.gov/cba/applicants/ed-requirements.shtml

Learning Outcome(s):

1. Illustrate their understanding of business concepts through examination and practical exercises.
2. Demonstrate the use of the Microsoft suite (Word, PowerPoint and Excel) in their completion of assignments.

Business Subjects - Required Courses		*13.0*
ACCT 204	Managerial Cost Accounting	3.0
	–or–	
ACCT 210	Accounting Information Systems	3.0
ECON C2002	Principles of Macroeconomics	3.0
ECON C2001	Principles of Microeconomics	3.0
STAT C1000	Introduction to Statistics	4.0
Business Subjects - Electives		
Select a Minimum of 11 Units from below or from any courses not taken in required section above.		*11.0*
ACCT 108	Tax Practices and Procedures	3.0
ACCT 113	Intermediate Income Taxes – Corporations	2.0
ACCT 114	Intermediate Income Taxes - Partnerships and LLCs	2.0
ACCT 124	Computerized Income Tax Preparation	2.0
BUS 100	Fundamentals of Business	3.0
BUS 120	Principles of Management	3.0
BUS 121	Human Relations and Organizational Behavior	3.0
BUS 130	Personal Finance	3.0
BUS 140	Principles of Finance	3.0
BUS 160	Introduction to Stock and Bond Investments	3.0
BUS 222	Business Writing	3.0
MKTG 113	Principles of Marketing	3.0
CMPR 167	Microsoft Access	3.0
BA 188	Microsoft Excel	2.0
BA 189	Advanced Microsoft Excel	2.0
		Total: 24.0

QuickBooks Accounting: Certificate of Achievement

Program Code: SAC. ACCTQ.CA

Program Control Number: 13446

This certificate prepares students for entry-level positions and for promotional opportunities in accounting departments of businesses, including areas such as manufacturing, merchandising, financial services, wholesale trades, and government. Specialized training in computerized accounting systems enables students to maintain accounting records, develop financial reports, and make effective use of financial information for analysis and decision-making. Entry-level employment opportunities include positions in accounts receivable, accounts payable, payroll, and cost accounting. Promotional opportunities include higher-level responsibilities in these areas and the areas of general ledger, financial statement preparation, and financial statement analysis.

Learning Outcome(s):

1. Acquire general knowledge of QuickBooks and Accounting and be able to perform the duties of an entry level clerk in a business.

Required Core:		*15.0*
ACCT 032	Payroll Accounting	2.0
ACCT 120	QuickBooks Online	4.0
ACCT 101	Financial Accounting	4.0
ACCT 124	Computerized Income Tax Preparation	2.0
BUS 150	Introduction to Information Systems and Applications	3.0
Select a minimum of 3 units from the following:		*3.0-5.0*
BUS 222	Business Writing	3.0
	–or–	
MGMT 122	Business Communications	3.0
BA 188	Microsoft Excel	2.0
BA 189	Advanced Microsoft Excel	2.0
		Total: 18.0-20.0

QuickBooks Bookkeeping: Certificate of Achievement

Program Code: SAC.ACCTBQ.CA

Program Control Number: 19391

This certificate prepares students for entry-level positions and promotional opportunities in accounting, taxation and administrative departments of businesses in public and private sector areas such as manufacturing, merchandising, financial service, wholesale trades, and government. Specialized training in accounting and finance principles and practices enables students to maintain accounting records and develop financial reports and make effective use of financial information for analysis and decision-making. Entry-level employment opportunities include positions in accounts receivable/payable, payroll, income tax preparation, cost accounting, and a number of trainee positions. Promotional opportunities include higher-level responsibilities in these areas and the areas of general ledger, financial statement preparation and financial statement analysis.

Learning Outcome(s):

1. Acquire adequate general knowledge of QuickBooks & accounting to enter into a business environment as an entry-level clerk utilizing QuickBooks.

Take all of the following courses:		*9.0*
ACCT 120	QuickBooks Online	4.0
ACCT 032	Payroll Accounting	2.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
Select one of the following courses:		*3.0-4.0*
ACCT 010	Accounting Procedures	3.0
ACCT 101	Financial Accounting	4.0
Select one of the following courses:		*3.0*
BA 100	Business Writing Skills	3.0
MGMT 122	Business Communications	3.0
BUS 222	Business Writing	3.0
Select one of the following courses:		*2.0*
ACCT 124	Computerized Income Tax Preparation	2.0
BA 188	Microsoft Excel	2.0
BA 189	Advanced Microsoft Excel	2.0
		Total: 17.0-18.0

Accounting and Financial Planning: Certificate of Proficiency
Program Code: SAC.ACCTF.CERT

A certificate in accounting prepares students for entry-level positions and promotional opportunities in accounting, taxation, and administrative departments of businesses in public and private sector areas such as manufacturing, merchandising, financial service, wholesale trades, and government. Specialized training in accounting and finance principles and practices enables students to maintain accounting records and develop financial reports and make effective use of financial information for analysis and decision-making. Entry-level employment opportunities include positions in accounts receivable/payable, payroll, income tax preparation, cost accounting, and a number of trainee positions. Promotional opportunities include higher-level responsibilities in these areas and the areas of general ledger, financial statement preparation, and financial statement analysis.

Learning Outcome(s):

1. Students will acquire adequate general knowledge of accounting and personal finance to establish a foundation for future employment or for advanced studies in the accounting or finance field.

Take all of the following courses:		*14.0*
ACCT 101	Financial Accounting	4.0
ACCT 104	Federal and California Taxes	4.0
BUS 130	Personal Finance	3.0
BUS 160	Introduction to Stock and Bond Investments	3.0
Select one of the following courses:		*3.0-4.0*
ACCT 102	Managerial Accounting	4.0
BUS 140	Principles of Finance	3.0
		Total: 17.0-18.0

Enrolled Agent: Certificate of Proficiency
Program Code: SAC.ACCTEA.CERT

The Enrolled Agent certificate curriculum prepares students for the three-part IRS Special Enrollment Examination. Specialized training in individual and business taxation increases students marketability, career mobility and earning potential in the field of taxation and accounting.

Enrolled Agent (or EA) is a tax advisor, who is a federally authorized tax practitioner empowered by the U.S. Department of the Treasury. Enrolled Agent status is the highest credential awarded by the IRS. Enrolled agents, like attorneys and certified public accountants (CPAs), have unlimited practice rights before the IRS. This means they may represent taxpayers before the IRS for tax issues that include audits, collections and appeals. An enrolled agent designation is earned by passing a three-part comprehensive IRS test covering individual and business tax returns.

Learning Outcome(s):

1. Prepare basic tax returns for taxable and flow- through entities using commercially available tax software.
2. Develop a fundamental understanding of the components of taxable income determination across taxable entities, so that the student builds a foundation for effectively learning future tax laws.
3. Understand the basic rights and responsibilities of taxable entities in the U.S.

Core Courses for the certificate:		*15.0*
ACCT 101	Financial Accounting	4.0
ACCT 104	Federal and California Taxes	4.0
ACCT 108	Tax Practices and Procedures	3.0
ACCT 113	Intermediate Income Taxes – Corporations	2.0
ACCT 114	Intermediate Income Taxes - Partnerships and LLCs	2.0
		Total: 15.0

Tax Preparer: Certificate of Proficiency
Program Code: SAC.TAXPR.CERT

A tax preparer certificate prepares a student with knowledge and practical experience for individual income tax preparation and receive the qualifying education required by the California Tax Education Council (CTEC) to become a California Registered Tax Preparer (CRTP).

California law requires anyone who prepares (or assists with) tax returns for a fee, and is not an attorney, certified public accountant (CPA) or enrolled agent (EA), to register as a tax preparer with CTEC.

All CTEC Registered Tax Preparers (CRTP) must...

- *First* complete qualifying tax education from a CTEC-Approved Provider
- *Obtain* a PTIN (Preparer Tax Identification Number) from the IRS
- *Purchase* a $5,000 tax preparer bond

* CTEC now requires all new applicants to pass a background check and fingerprinting procedure (Live Scan) in order to become registered with CTEC.

- *Register* with CTEC within 18 months from the completion date on the certificate of completion
- *CTEC requires a Registration Fee* (amount varies by year)

Upon completion of this certificate program, a student would fulfill the education requirement to become a CRTP.

Entry-level employment opportunities include tax specialist and tax practitioner.

Growth potentials include management-level positions and self-employment opportunities.

Learning Outcome(s):

1. process and file an individual federal tax return.

Required courses:		*10.0-14.0*
ACCT 104	Federal and California Taxes	4.0
ACCT 125	Volunteer Income Tax Assistance (VITA) I	2.0
ACCT 106	Work Experience - Accounting	1.0-4.0
ACCT 101	Financial Accounting	4.0
	–or–	
ACCT 010	Accounting Procedures	3.0
		Total: 10.0-14.0

AMERICAN SIGN LANGUAGE

Introduction to ASL-English Interpreting: A.A. Degree
Program Code: SAC.ASLEI.AA
Program Control Number: 42818

The Associate in Arts in Introduction to ASL-English Interpreting prepares students for paraprofessional careers and for a baccalaureate degree in American Sign Language (ASL)-English Interpreting from a four-year college or university. Career opportunities exist in many industries such as education, medical, business, and government. Upon completion of the AA in Introduction to ASL-English Interpreting, students will have skills in communicating via ASL, knowledge of Deaf culture, and an introductory awareness of ASL-English Interpreting and other professions within the Deaf community.

Learning Outcome(s):

1. Apply receptive and expressive skills in maintaining an ongoing dialogue in American Sign Language with fluent users.
2. Identify and explain the Deaf experience from cultural, educational, linguistic, sociological, psychological, and multicultural perspectives.
3. Describe the requirements, roles, and responsibilities of an ASL/English interpreter for the deaf, the skills and further education and training necessary to be a member of the profession.
4. Interpret a brief passage in American Sign Language to English and in English to American Sign Language that accurately reflects the meaning of the passage.

		28.0
ASL1		*4.0*
ASL 110	American Sign Language I	4.0
	–or–	
ASL 110H	Honors American Sign Language I	4.0
ASL2		*4.0*
ASL 111	American Sign Language II	4.0
	–or–	
ASL 111H	Honors American Sign Language II	4.0
ASL3		*4.0*
ASL 210	American Sign Language III	4.0
	–or–	
ASL 210H	Honors American Sign Language III	4.0
ASL 211	American Sign Language IV	4.0
ASL 112	Deaf Culture	3.0
ASL 113	Introduction to Interpreting for the Deaf	3.0
ASL 223	Beginning Interpreting and Ethics 2	3.0
ANTH/ENGL 104		*3.0*
ANTH 104	Language and Culture	3.0
	–or–	
ANTH 104H	Honors Language and Culture	3.0
	–or–	
ENGL 104	Language and Culture	3.0
	–or–	
ENGL 104H	Honors Language and Culture	3.0
		Total: 28.0

American Sign Language: Certificate of Achievement
Program Code: SAC.SIGN.CA
Program Control Number: 08710

The Certificate of Achievement in American Sign Language (ASL) is offered as preparation for developing linguistic competency in ASL and readiness for entering a formal Interpreter Training Program or as an added skill as a direct service provider: instructional assistant, social work, speech pathology, etc. The certificate indicates skill in the use of ASL for personal communication, knowledge of American Deaf Culture and an introductory awareness of Sign Language Interpreting and other professions working within the American Deaf community.

Learning Outcome(s):

1. Maintain an ongoing dialogue in ASL at an intermediate conversational level.

Requirements for the certificate:		*28.0*
ASL 110	American Sign Language I	4.0
ASL 111	American Sign Language II	4.0
ASL 113	Introduction to Interpreting for the Deaf	3.0
ASL 114	Classifiers, Fingerspelling, and Numbering	3.0
ASL 116	Introduction to Deaf Studies	3.0
ASL 210	American Sign Language III	4.0
ASL 211	American Sign Language IV	4.0
Select one course:		
THEA 110	Acting Fundamentals	3.0
ETHN 101	Introduction to Ethnic Studies	3.0
PSYC 170	Multicultural Psychology	3.0
SLPA 160	Introduction to Communicative Disorders and Treatment	3.0
CDEV 205	Introduction to Children with Special Needs	3.0
CDEV C1000	Child Growth and Development	3.0
		Total: 28.0

ANTHROPOLOGY

Anthropology: A.A.-T Degree for Transfer

Program Code: SAC.ANTH.AAT

Program Control Number: 33057

The Associate in Arts in Anthropology for Transfer (A.A.-T in Anthropology) is designed to prepare students for transfer into the CSU system to complete a baccalaureate degree in Anthropology. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the Associate in Arts in Anthropology for Transfer (A.A.-T in Anthropology) degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the Associate in Arts in Anthropology for Transfer (A.A.-T in Anthropology) students will have an understanding of both the breadth and depth of the Anthropology discipline. This knowledge will be grounded in the comprehension of Anthropology principles, concepts, ideas, theories, research, and terminology. Students will also have the capacity to write and think in a critical and analytical way about issues pertaining to Anthropology and its application.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will recognize and analyze the complex diversity of humans and their ancestors by examining our biological, cultural, and evolutionary adaptation utilizing the scientific method.

REQUIRED CORE		*9.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
ANTH 101	Introduction to Biological Anthropology	3.0
ANTH 103	Introduction to Archaeology	3.0
LIST A: Select one		*3.0-4.5*
ANTH 104	Language and Culture	3.0
ANTH 104H	Honors Language and Culture	3.0
ANTH 101L	Biological Anthropology Laboratory	1.0
STAT C1000	Introduction to Statistics	4.0
STAT C1000H	Introduction to Statistics - Honors	4.0
STAT C1000E	Introduction to Statistics	4.5
LIST B: Select one to two (3-7 units) Any course from LIST A not already used.		*3.0-7.0*
PSYC 219	Introduction to Research Methods in Psychology	3.0
	–or–	
BIOL 239	General Human Anatomy	4.0
	–or–	
GEOL 101	Dynamic Earth: Introduction to Geology	3.0
	–and–	
GEOL 101L	Dynamic Earth: Introduction to Geology Laboratory	1.0
	–or–	
ERTH 110	Planet Earth: Introduction to Earth Science	3.0
	–or–	
ERTH 110H	Planet Earth: Honors Introduction to Earth Science	3.0
	–or–	
GEOL 140	Environmental Geology	3.0
	–or–	
BA 150	Introduction to Geographic Information Systems	3.0
LIST C: Select one (3 -4 units) Any course from LIST A or B not already used.		*3.0*
ANTH 108	Religion, Magic, and Witchcraft	3.0
ANTH 125	Native Americans in the U.S.	3.0
ANTH 105	Ancient Mesoamerican Civilization	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
SOC 100	Introduction to Sociology	3.0
SOC 100H	Honors Introduction to Sociology	3.0
GEOG 102	Cultural Geography	3.0
PHIL 112	World Religions	3.0
		Total: 18.0-24.5

Anthropology: A.A. Degree

Program Code: SAC.ANTH.AA

Program Control Number: 04254

The associate degree curriculum in anthropology is designed as a program of basic courses for students considering professional careers as archeologists, ethnographers, linguists, physical anthropologists; for those preparing to become social science teachers in elementary or secondary schools; for such diverse fields as psychology, medicine, law, political science, international relations, economics, or history; and for individuals who plan public service careers in social work, health and welfare programs, foreign service. Students should consult with faculty members for advice in selecting course offerings best suited to the individual’s particular career objectives. The associate of arts degree prepares the student to move into a curriculum at a four-year institution leading to a baccalaureate degree in these careers.

Learning Outcome(s):

1. Students will be able to recognize and analyze the complex diversity of humans and their ancestors by examining our biological, cultural, and evolutionary adaptation utilizing the scientific method.

Course		*12.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
ANTH 101	Introduction to Biological Anthropology	3.0
ANTH 103	Introduction to Archaeology	3.0
ANTH 104	Language and Culture*	3.0
	–or–	
ANTH 104H	Honors Language and Culture	3.0

Emphasis: In addition to the Required Core Classes (12 units), an additional minimum of 6 units for the Anthropology Major may be from Category A or Category B.

Category A: If your emphasis is cultural anthropology.		
ANTH 105	Ancient Mesoamerican Civilization	3.0
ANTH 108	Religion, Magic, and Witchcraft	3.0
ANTH 125	Native Americans in the U.S.	3.0
ECON C2002	Principles of Macroeconomics	3.0
ETHN 150	Introduction to Ethnic Studies	3.0
	–or–	
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
GEOG 100	World Regional Geography	3.0
	–or–	
GEOG 100H	Honors World Regional Geography	3.0
GEOG 102	Cultural Geography	3.0
HIST 101	World Civilizations to the 16th Century	3.0
	–or–	
HIST 101H	Honors World Civilizations to the 16th Century	3.0
POLT 205	Introduction to Global Studies	3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
SOC 100	Introduction to Sociology	3.0
	–or–	
SOC 100H	Honors Introduction to Sociology	3.0
WMNS 101	Introduction to Women's Studies	3.0
Category B: If your emphasis is physical anthropology.		
ANTH 101L	Biological Anthropology Laboratory	1.0
BIOL 109	Fundamentals of Biology	3.0
	–or–	
BIOL 109H	Honors Fundamentals of Biology	3.0
BIOL 109L	Fundamentals of Biology Laboratory	1.0
BIOL 127	Ecology	1.0
BIOL 149	Human Anatomy and Physiology	4.0
BIOL 177	Human Genetics	3.0
BIOL 211	Cellular and Molecular Biology	5.0
BIOL 212	Animal Diversity and Ecology	5.0
GEOG 101	Physical Geography	3.0
GEOG 101L	Physical Geography Laboratory	1.0
		Total: 18.0-21.0

ART

Art History: A.A.-T Degree for Transfer

Program Code: SAC.ARTH.AAT

Program Control Number: 32146

The Associate in Arts in Art History for Transfer (AA-T) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in Art History, and then into careers in fine arts include art education, interior design, gallery operation, art merchandising, studio artist, illustration, art criticism, computer graphics and animation and related fields. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the AA-T in Art History, students will be able to recognize specific styles of art, apply vocabulary pertinent to the discussion of art both in and out of the classroom, and demonstrate an understanding of the technical processes of various art media by developing an art portfolio that demonstrates a broad knowledge of subject matter. Furthermore, students will be able to demonstrate an understanding of the principles of design and the elements of art, as well as identify relationships between art and society in which it is created, and apply criteria for viewing and judging art.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C" or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Demonstrate a working knowledge of the vocabulary of art, its materials, tools, and techniques.
2. Demonstrate skills in formal analysis and comparison/contrast of art works, artistic theory and criticism in oral and written form.
3. Demonstrate a general knowledge of history, its themes and chronology that are reflected in world art of the various periods of time.

Required Core Courses (9 units)		*9.0*
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART 130	Introduction to Drawing	3.0
List A: select one course (3 units)		*3.0*
ART 103	Arts of Africa, Oceania, and Indigenous North America	3.0
ART 104	Mexican and Chicano Art History	3.0
ART 106	Asian Art History	3.0
List B: select one course (3 units)		*3.0*
ART 110	Two-Dimensional Design	3.0
ART 111	Three-Dimensional Design	3.0
ART 131	Beginning Life Drawing	3.0
ART 151	Ceramics-Introductory Level	3.0
ART 195	Introduction to Digital Media Arts	3.0
PHOT 180	Beginning Photography	3.0
LIST C: select one course (3 units) Any course from List A or B not already used.		*3.0*
ART 105	History of Modern Art	3.0
ART 108	Contemporary Art History: Art Since Mid-Twentieth Century	3.0
HIST 101	World Civilizations to the 16th Century	3.0
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
IDS 121	Humanities Through the Arts	3.0
PHIL 112	World Religions	3.0
		Total: 18.0

Studio Arts: A.A.-T Degree for Transfer

Program Code: SAC.START.AAT

Program Control Number: 32272

The Associate in Arts in Studio Arts for Transfer (AA-T) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in Studio Arts and then into careers in fine arts include art education, interior design, gallery operation, art merchandising, studio artist, illustration, art criticism, computer graphics, and animation and related fields. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the AA-T in Studio Arts, students will be able to recognize specific styles of art, apply vocabulary pertinent to the discussion of art both in and out of the classroom, and demonstrate an understanding of the technical processes of various art media by developing an art portfolio that demonstrates a broad knowledge of subject matter. Furthermore, students will be able to demonstrate an understanding of the principles of design and the elements of art, as well as identify relationships between art and society in which it is created, and apply developed criteria for viewing and judging art.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis..

Learning Outcome(s):

1. Possess technical skills (at the sophomore level) for producing art in several media.
2. Demonstrate competency and acquire experience in creating original work for public display.
3. Demonstrate competency in critical analysis and verbal and written responses to visual phenomena.

Required Core Course (12 units)		*12.0*
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART 110	Two-Dimensional Design	3.0
ART 111	Three-Dimensional Design	3.0
ART 130	Introduction to Drawing	3.0
List A: select one course (3 units)		*3.0*
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ART 103	Arts of Africa, Oceania, and Indigenous North America	3.0
ART 104	Mexican and Chicano Art History	3.0
ART 105	History of Modern Art	3.0
ART 106	Asian Art History	3.0
List B: select three courses (9 units)		*9.0*
ART 131	Beginning Life Drawing	3.0
	–or–	
ART 230	Intermediate Drawing	3.0
ART 141	Beginning Painting	3.0
ART 151	Ceramics-Introductory Level	3.0
ART 182	Introduction to Jewelry	3.0
ART 195	Introduction to Digital Media Arts	3.0
PHOT 180	Beginning Photography	3.0
		Total: 24.0

Art: A.A. Degree

Program Code: SAC.ART.AA

Program Control Number: 04218

The associate degree curriculum in art provides students with an opportunity for individual creative stimulus and development. Completion of the associate in arts degree also prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree or into a professional art school. Possible careers in fine arts are art education, interior design, gallery operation, art merchandising, studio artist, illustration, art criticism, computer graphics and animation and related fields.

Learning Outcome(s):

1. Students will demonstrate visual literacy, including competency in non-verbal languages of art and design
2. Students will possess technical skills (at the sophomore level) for producing art in several media
3. Students will demonstrate competency and acquire experience in creating original work for public display

Course		*29.0*
ART 100	Introduction to Art Concepts	3.0
	–or–	
ART 100H	Honors Introduction to Art Concepts	3.0
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART 105	History of Modern Art	3.0
ART 110	Two-Dimensional Design	3.0
ART 111	Three-Dimensional Design	3.0
ART 130	Introduction to Drawing	3.0
ART 131	Beginning Life Drawing	3.0
ART 133	Introduction to Gallery Production	2.0
ART 141	Beginning Painting	3.0
Recommended electives:		*3.0-5.5*
ART 009	Art Lab	0.5
ART 010	Advanced Art Lab	0.5
ART 103	Arts of Africa, Oceania, and Indigenous North America	3.0
ART 104	Mexican and Chicano Art History	3.0
ART 106	Asian Art History	3.0
ART 108	Contemporary Art History: Art Since Mid-Twentieth Century	3.0
ART 122	Graphic Design I	3.0
ART 132A	Beginning Pastel Drawing and Painting	3.0
ART 132B	Intermediate Pastel Drawing and Painting	3.0
ART 140A	Watercolor Painting	2.0
ART 140B	Watercolor Painting	2.0
ART 143	Landscape Watercolor	2.0
ART 150	Primitive Pottery Techniques	3.0
ART 154	Ceramics Summer Workshop	3.0
ART 155	Plaster Mold Making	3.0
ART 156	Clay Calculation: An Approach in Color Study	3.0
ART 157	Ceramics-Raku and Saggar Firing Techniques	3.0
ART 158	Ceramic Mural Project	3.0
ART 159A	Ceramic Color Decoration: Low Temperature	3.0
ART 159B	Ceramic Color Decoration: High Temperature	3.0

ART 182	Introduction to Jewelry	3.0
ART 195	Introduction to Digital Media Arts	3.0
	–or–	
DM 195	Introduction to Digital Media Arts	3.0
ART 230	Intermediate Drawing	3.0
ART 231	Intermediate Life Drawing	3.0
ART 232	Advanced Life Drawing	3.0
ART 233	Advanced Drawing	3.0
ART 240	Intermediate Watercolor	2.0
ART 241	Intermediate Painting	3.0
ART 242	Advanced Painting	3.0
ART 243	Portrait and Life Painting	3.0
ART 251	Ceramics-Advanced Throwing and Handbuilding	3.0
ART 252	Ceramics-Advanced Study Process in Ceramics with Non-Traditional Media	3.0
ART 253	Electric Kiln Ceramics	3.0
ART 282	Jewelry II	3.0
ART 283	Jewelry III	3.0
ART 298	Art Practicum	1.0
PHOT 180	Beginning Photography	3.0
		Total: 32.0-34.5

Graphic Design: A.A. Degree

Program Code: SAC.ARTGD.AA

Program Control Number: 10665

The associate degree curriculum in Graphic Design prepares students for entry into the broad field of visual communication, with an emphasis on the development of problem solving in the practical application of graphic design. These applications include design for the print media, advertising, architectural and environmental graphics, packaging, logos, corporate identity, the web and other electronic media, using both digital media tools as well as traditional hand skills. Completion of this associate degree provides for entry into a profession in a variety of areas: e.g., advertising agency, printing house, design studio, freelance work and related businesses.

This program plan is designed with transfer preparation to a 4-year university in mind.

Please consult www.assist.org and meet with a counselor for information about courses for specific universities.

Learning Outcome(s):

1. Express through written research an understanding of the history of graphic design.
2. Create for an audience unique conceptual graphics that carry messages and meaning through visual symbolism.
3. Utilize professional software to design graphics with destination output in mind, addressing issues of file types, resolution, color profiles, and multiple media applications.

Foundation		*15.0*
ART 195	Introduction to Digital Media Arts	3.0
DM 121A	Fundamentals of Typography	3.0
ART 122	Graphic Design I	3.0
ART 130	Introduction to Drawing	3.0
ART 110	Two-Dimensional Design	3.0
History & Appreciation		*3.0-6.0*
ART 100	Introduction to Art Concepts	3.0
	–or–	
ART 100H	Honors Introduction to Art Concepts	3.0
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
ART 103	Arts of Africa, Oceania, and Indigenous North America	3.0
ART 104	Mexican and Chicano Art History	3.0
ART 105	History of Modern Art	3.0
DM 107	History of Animation	3.0
Electives		*3.0-7.0*
DM 121B	Advanced Typography	3.0
ART 193	Motion Graphics with Adobe After Effects	3.0
DM 164	Web Design	3.0
Digital Illustration I		*3.0*
ART 162	Digital Illustration I	3.0
	–or–	
DM 162	Digital Illustration I	3.0
Digital Illustration II: Advanced Topics		*3.0*
ART 192A	Digital Illustration II: Advanced Topics	3.0
	–or–	
DM 192A	Digital Illustration II: Advanced Topics	3.0
ART 191A	Layout Design	3.0
CMSD 123A	News Media Production	4.0
CMSD 105	Mass Media and Society	3.0
	–or–	
CMSD 105H	Honors Mass Media and Society	3.0
ART 131	Beginning Life Drawing	3.0
ART 140A	Watercolor Painting	2.0
ART 141	Beginning Painting	3.0
PHOT 180	Beginning Photography	3.0
ART 009	Art Lab	0.5
ART 111	Three-Dimensional Design	3.0
Capstone		*2.0*
ART 168	Graphic Design II: Branding & Identity	2.0
		Total: 23.0-30.0

Commercial Art: Mural & Illustration: Certificate of Achievement

Program Code: SAC.ARTMI.CA

Program Control Number: 35672

Former Title: Public and Community Art - Mural Painting

The certificate program in Commercial Art: Mural/Illustration is designed to prepare students for employment in a variety of illustration paths along with designing /painting large-scale public art murals. Murals are in demand by communities (such as city governments, schools, parks) to enhance and beautify public and private sites and to combat blight and graffiti. Public and private institutions use murals to brand their visual logos and promote specific messages on their public sites. Private businesses also need to brand their locations with large paintings or murals that include visual images and graphic signage. Students studying in this program will utilize both digital and traditional techniques from visual composition, mural painting, illustration, sign painting, and fine art painting while integrating historical, traditional and contemporary mural painting styles. Mural students will also gain the specialized training needed (including how to prepare exterior walls for murals, specialized paints and protective coatings, safety measures and specialized equipment, and composing designs digitally for large application) to confidently seek employment in the above areas. Career opportunities include illustrator, fine artist, mural artist, mural restoration, sign painter, and set or exhibit designer.

Learning Outcome(s):

1. Develop a portfolio of personal artwork work rooted in the creative career path that the student chooses
2. Create a unified composition with a clear understanding of the design elements (line, shape, texture, value, space, and color), The design principles (unity/variety, balance, emphasis/focal point) and the design devices (size, placement, and rhythm).
3. Increase and develop skills in both traditional and digital techniques including visual composition, mural painting, illustration, sign painting, and fine art painting while integrating historical, traditional and contemporary illustration and /or mural painting styles.
4. Apply the mural creation process, from concept and composition through drawing, transferring design to site-specific locations or portable panels, painting, and post-production.
5. Utilize training specific to mural painting including composing designs digitally for large application, how to prepare exterior walls for murals, specialized paints and protective coatings, safety measures and specialized equipment.

Complete Core Required Courses:		*21.0*
ART 110	Two-Dimensional Design	3.0
ART 130	Introduction to Drawing	3.0
	–or–	
ART 131	Beginning Life Drawing	3.0
ART 141	Beginning Painting	3.0
ART 148	Introduction to Illustration	3.0
ART 190	Introduction to Mural Painting and Design	3.0
ART 195	Introduction to Digital Media Arts	3.0
Required Courses for Mural Emphasis or Illustration Emphasis		*6.0-7.0*
Required Courses for Mural Emphasis:		
ART 291	Mural Painting and Design II	3.0
ART 292	Mural Painting and Design III	3.0
Required Courses for Illustration Emphasis:		
ART 235	Anatomical Drawing	3.0
JAMS 123A	Multimedia News Production	4.0
ART 248	Intermediate Illustration	3.0
Elective courses		*3.0*
ART 230	Intermediate Drawing	3.0
ART 233	Advanced Drawing	3.0
ART 242	Advanced Painting	3.0
ART 122	Graphic Design I	3.0
ART 232	Advanced Life Drawing	3.0
ART 241	Intermediate Painting	3.0
ART 158	Ceramic Mural Project	3.0
Digital Illustration I		*3.0*
ART 162	Digital Illustration I	3.0
	–or–	
DM 162	Digital Illustration I	3.0
Digital Illustration II: Advanced Topics		*3.0*
ART 192A	Digital Illustration II: Advanced Topics	3.0
	–or–	
DM 192A	Digital Illustration II: Advanced Topics	3.0

Total: 30.0-31.0

AUTOMOTIVE TECHNOLOGY

Automotive Technology: B.S. Degree

Program Code: SAC.AUTO.BS

Program Control Number: 46284

The baccalaureate degree in Automotive Technology is designed to prepare students for employment at original equipment manufacturers (OEM), such as, but not limited to, Stellantis, General Motors, Ford Motor Company, Subaru, Mercedes-Benz, Hyundai, Honda, Toyota, Cummins, International, and Volvo. Additionally, the program prepares students for other senior technical, leadership, and managerial opportunities at local dealerships, repair facilities, diagnostic tool companies, medium/heavy-duty maintenance repair facilities, and as educators in public or private sectors. Technical, hands-on instruction on modern automobiles and other vehicles is at the core of the program, accompanied by coursework to attain various skills required for employment at automobile manufacturer companies, dealerships, and other service/repair facilities.

Prerequisite:

Associate degree in automotive technology, diesel/heavy-duty technology, or an automotive manufacturer-specific program, such as Mopar CAP, Honda PACT, General Motors ASEP, Ford ASSET, Toyota T-TEN or other automotive manufacturer-specific program, from an accredited institution.

To complete the baccalaureate of science in Automotive Technology, students must complete the following:

1. General Education Requirement: complete the Cal-GETC lower division general education pattern; OR complete the Santa Ana College Associate Degree General Education (GE) Requirements (Plan 1) with coursework completed from Plan 1 to total a minimum of 27 semester units (note that Plan 1 consists of a minimum of 24 units, so additional Plan 1 coursework may be needed to reach 27 units).

2. Upper Division General Education Requirement: A minimum of 9 units of Upper Division Level General Education coursework as listed in program information.

3. Major Course Work: Complete all upper division major course requirements as listed in program information.

4. Major Requirement: Complete all upper division major course requirements with a grade of “C” or better or Pass (“P”).

5. Complete any elective courses that are baccalaureate level for a minimum of 120 units. Lower-division courses acceptable towards a baccalaureate degree are designated as CSU transferable or determined to be at the baccalaureate level.

a. Lower-division courses from other U.S. institutions with institutional accreditation (that meets district and program standards of rigor) will be reviewed by a counselor and graduation specialist to

determine baccalaureate credit based on course description, comparable content, appropriate prerequisites, or C-ID number.

6. Residence Requirement - at least 12 units of upper division coursework must be completed at Santa Ana College or Santiago Canyon College or a combination of the two.

7. All lower-division requirements and pre-requisites must be met before the baccalaureate degree is granted.

Learning Outcome(s):

1. Students will demonstrate proficient knowledge of advanced mechanical and electrical systems found on modern automobiles and other vehicles as designated by Automotive Service Excellence (ASE) standards and guidelines.
2. Students will demonstrate career and technical-based skills focused on advanced transportation technologies in preparation for employment at an original equipment manufacturer (OEM) facility or other transportation-related facility.
3. Students will explain the various career options found at original equipment manufacturers (OEMs), transportation repair facilities, or within education sectors and discuss the requirements and expectations needed for successful employment.

Technical Course Requirements		*29.0*
AUTO 300	Introduction to Automotive Manufacturers	3.0
AUTO 318	Advanced Engine Performance (L1)	4.0
AUTO 320	Electronic Diesel Engine Diagnosis (L2)	4.0
AUTO 330	Automobile Service Consultant (C1)	3.0
AUTO 340	Alternative Fuels (F1/H1)	3.0
AUTO 350	Advanced Driver Assistance Systems (L4)	4.0
AUTO 360	Light Duty Hybrid/Electric Vehicles (L3)	4.0
AUTO 399	Automotive Work Experience - Technical Skills	4.0
General Education Requirements		*9.0*
CMST 310	Communication and Conflict Resolution	3.0
ENVR 370	Environmental Impacts of Industrial Development	3.0
CMPR 380	SQL Technology	3.0
Advanced Course Requirements		*22.0*
AUTO 400	Transportation Leadership and Management	3.0
AUTO 410	Transportation Supply Chain	3.0
AUTO 420	Transportation Ethics	3.0
AUTO 430	Dealership and Manufacturer Relationship	3.0
AUTO 440	Educators and Technical Trainers	3.0
AUTO 495	Automotive Technology Capstone	3.0
AUTO 499	Automotive Work Experience - Leadership Skills	4.0
		Total: 60.0

Automotive Technology: A.S. Degree

Program Code: SAC.AUTO.AS

Program Control Number: 04209

In addition to the general education requirements, the associate degree in automotive technology is designed to prepare students for employment in modern automotive service and repair. Technical instruction includes lecture and lab experiences in a variety of automotive subjects which students may select according to their interests. Employment opportunities are available at dealerships, independent shops, and fleet services for both domestic and import vehicles.

Learning Outcome(s):

1. Explain the eight areas of automotive as divided by Automotive Service Excellence (ASE).
2. Summarize how the vehicle systems work together to propel the vehicle.
3. Develop the skills to properly make measurements and analyze vehicle concerns.*Automotive Courses Unit Requirements 31.0*

Required core course		
AUTO 102	Introduction to Automotive	3.0
AUTO 105	Automotive Workplace Skills	3.0
Plus 25 units selected from the following:		*25.0*
AUTO 111	Engine Repair	5.0
AUTO 112	Automatic Transmissions and Transaxles	4.5
AUTO 113	Manual Drive Train and Axles	4.5
AUTO 114	Suspension and Steering	4.5
AUTO 115	Brakes	4.5
AUTO 116	Electrical Fundamentals	5.0
AUTO 117	Heating and Air Conditioning	5.0
AUTO 118	Engine Performance	5.0
AUTO 119	Light Vehicle Diesel Engines	3.0
AUTO 211	High Performance Engines	5.0
AUTO 216	Electrical Systems	5.0
AUTO 260	Introduction to Hybrid/Electric Vehicles	5.0
AUTO 284	Automotive Emerging Technologies	3.0
AUTO 299	Work Experience - Automotive	0.5-4.0
		Total: 31.0

Mopar Automotive Technician: A.S. Degree
Program Code: SAC.AUMAT.AS
Program Control Number: 42819

The Mopar Automotive Technician Associate of Science degree is designed to prepare students for employment at a Chrysler, Dodge, Jeep, Ram dealership. Technical instruction includes lecture and lab experiences in a specific Mopar content which focuses on Mopar concepts such as electrical circuits, gasoline engine repair, suspension, steering, tires, alignment, brakes, transmissions, diesel engines, engine diagnostics, high voltage systems, air conditioning, heating, and work experience at a Mopar dealership. Students will be prepared for employment at a Mopar dealership as an entry-level technician, lube technician, or apprentice. This degree requires the completion of general education in addition to automotive courses. Students are required to complete 12 units of AUTO-299, Automotive Work Experience (repeatable course) as part of the degree.

Learning Outcome(s):

1. Explain the eight areas of a vehicle as determined by Automotive Service Excellence (ASE).
2. dentify the minimum requirements for becoming a master Mopar technician employed at a dealership.
3. Use the proper tools and equipment to perform routine maintenance on a Mopar vehicle.

Required Courses		*45.0*
AUTO 220	Mopar Career Automotive Program Foundations	3.0
AUTO 221	Mopar CAP Training Phase 1	4.0
AUTO 222	Mopar Engine Repair	3.0
AUTO 223	Mopar Chassis Systems	3.0
AUTO 224	Mopar Driveline Systems	3.0
AUTO 225	Mopar Automatic Transmissions	4.0
AUTO 226	Mopar CAP Training Phase 2	4.0
AUTO 227	Mopar Diesel Engines	3.0
AUTO 228	Mopar CAP Training Phase 3	3.0
AUTO 229	Mopar Electrical Systems	3.0
AUTO 299	Work Experience - Automotive	12.0
		Total: 45.0

Alternative Powertrain Technology: Certificate of Achievement
Program Code: SAC.AUAPT.CA
Program Control Number: 40506

This certificate is designed for students seeking training in alternative powertrains and high voltage systems. Students will learn about various vehicle manufacturers and municipalities which require specific training for non-gasoline powered vehicles. Furthermore, the certificate coursework focuses on safe practices when working on alternative powertrains and high voltage systems. Students can find suitable employment at new car dealerships and fleet services or municipalities.

Learning Outcome(s):

1. Explain the various types of fuels available to propel modern vehicles and the advantages/disadvantages of each fuel.
2. Demonstrate safe handling practices and procedures when working with high voltage systems.

Core courses		*14.0*
AUTO 102	Introduction to Automotive	3.0
AUTO 119	Light Vehicle Diesel Engines	3.0
AUTO 260	Introduction to Hybrid/Electric Vehicles	5.0
AUTO 284	Automotive Emerging Technologies	3.0
		Total: 14.0

Automotive Essentials: Certificate of Achievement
Program Code: SAC.AUTOE.CA
Program Control Number: 43816

The certificate in Automotive Essentials provides students with theoretical knowledge and understanding of the operations and functions of four major automotive areas. This certificate is designed for students seeking knowledge without hands-on applications. Students completing this certificate may find employment in non-technical automotive areas.

Learning Outcome(s):

1. Explain the brake hydraulic system operation.
2. Explain tire sizes, temperatures ratings, speed ratings, load index, and wear ratings.
3. Explain the conventional electrical theory.
4. Explain how the fuel and ignition systems work together to create engine power.

Required Courses		*14.0*
AUTO 114A	Suspension and Steering Lecture	3.0
AUTO 115A	Brakes Lecture	3.0
AUTO 116A	Electrical Fundamentals Lecture	4.0
AUTO 118A	Engine Performance Lecture	4.0
		Total: 14.0

Chassis Service Option: Certificate of Achievement
Program Code: SAC.AUTCS.CA
Program Control Number: 08713

The certificate in chassis service is designed to prepare the student for entry into the specialized field of brake, wheel, tire, alignment, front/rear suspension, and steering service on both import and domestic vehicles.

Learning Outcome(s):

1. Identify chassis and brake components on modern vehicles
2. Explain the function and operation of steering systems
3. Compare alignment measurements for modern vehicles
4. Express brake principles and function

Core course		*3.0*
AUTO 102	Introduction to Automotive	3.0
Required courses		*14.0*
AUTO 114	Suspension and Steering Lecture	4.5
AUTO 115	Brakes	4.5
AUTO 116	Electrical Fundamentals	5.0
Elective - choose one course (Complete 3.0 units of AUTO 299 if chosen as elective.)		3.0
AUTO 105	Automotive Workplace Skills	3.0
AUTO 284	Automotive Emerging Technologies	3.0
AUTO 299	Work Experience - Automotive	0.5-4.0
		Total: 20.0

Drive Train Service Option: Certificate of Achievement
Program Code: SAC.AUTDT.CA
Program Control Number: 17343

The certificate in drive train service is designed to prepare the student for entry into the specialized field of standard and automatic transmissions, driveline, and differential service and repair on both import and domestic vehicles.

Learning Outcome(s):

1. Explain the purpose and function of transmission and drivetrain systems
2. Identify the different types of transmissions used in modern automobiles
3. Demonstrate proper disassembly and reassembly procedures of drivetrain components

Course		*17.0*
AUTO 102	Introduction to Automotive	3.0
AUTO 116	Electrical Fundamentals	5.0
AUTO 112	Automatic Transmissions and Transaxles	4.5
AUTO 113	Manual Drive Train and Axles	4.5
		Total: 17.0

Electric/Hybrid Vehicle Technician: Certificate of Achievement
Program Code: SAC.AUEHT.CA
Program Control Number: 39571

This program focuses on electrical theory, diagnosis, and application with a concentration on electric and hybrid vehicles. The courses in the program are designed to give students experience with the electrical systems and electric propulsion systems found on modern automobiles. Once students complete the program, they may seek employment at new car dealerships, municipality service centers, or with specific electric vehicle manufacturers.

Learning Outcome(s):

1. Apply watts law and ohms law to diagnose an automotive electrical system fault.
2. Explain the operation of alternating and direct current as used in an electric vehicle.
3. Describe the safety procedures and required safety equipment when working with electric and hybrid vehicles.

Required Courses		*18.0*
AUTO 102	Introduction to Automotive	3.0
AUTO 116	Electrical Fundamentals	5.0
AUTO 216	Electrical Systems	5.0
AUTO 260	Introduction to Hybrid/Electric Vehicles	5.0
		Total: 18.0

Engine Performance and Electrical Option: Certificate of Achievement
Program Code: SAC.AUTEP.CA
Program Control Number: 08714

The curriculum in engine performance and electrical service engine performance certificate is designed to prepare students for entry into the specialized field of domestic and import automotive engine performance, electrical and air conditioning service. Advances in electronics have increased the demand for technical skills and knowledge in these specialized areas.

Learning Outcome(s):

1. Use service information and diagnosis procedures to find electrical and engine performance related faults.
2. Use an automotive scan tool to retrieve trouble codes and activate various outputs.
3. Explain how electronically controlled components are used by the engine control module and climate control system.

Course		*20.0*
AUTO 116	Electrical Fundamentals	5.0
AUTO 117	Heating and Air Conditioning	5.0
AUTO 118	Engine Performance	5.0
AUTO 216	Electrical Systems	5.0
		Total: 20.0

Engine Performance Option: Certificate of Achievement
Program Code: SAC.AUEPO.CA
Program Control Number: 13462

The certificate in engine performance is designed to prepare students for entry into the specialized field of diagnosing, testing, and repairing computer-controlled ignition, fuel, and emission systems. Students will focus on modern computer-controlled vehicles, emphasizing diagnosing faulty sensors, emission control devices, electrical systems, and scan tool usage.

Learning Outcome(s):

1. Explain modern vehicle on-board diagnostic systems.
2. Apply diagnostic repair procedures on modern vehicles.
3. Describe the function and operation of vehicle computer networking systems.
4. Demonstrate skills in locating service information and procedures related to advanced engine performance systems.

Core course		*3.0*
AUTO 102	Introduction to Automotive	3.0
Required courses		*10.0*
AUTO 116	Electrical Fundamentals	5.0
AUTO 118	Engine Performance	5.0

Electives - choose one course		
(Complete 3.0 units of AUTO 299 if chosen as elective.)		*3.0*
AUTO 105	Automotive Workplace Skills	3.0
AUTO 119	Light Vehicle Diesel Engines	3.0
AUTO 284	Automotive Emerging Technologies	3.0
AUTO 299	Work Experience - Automotive	0.5-4.0
		Total: 16.0

Engine Service Option: Certificate of Achievement
Program Code: SAC.AUTES.CA
Program Control Number: 08715

The certificate curriculum in engine service is designed to prepare students as engine service helpers and apprentices. Course content includes engine diagnostic skills, measurement, engine tear-down, and assembly. Timing belts, variable cam timing, turbochargers, and other engine components are covered. The program will enable those already employed in the field to upgrade their skills in engine maintenance and service.

Learning Outcome(s):

1. Identify the different types of engine designs
2. Demonstrate engine assembly procedures
3. Explain engine maintenance requirements for modern gasoline engines

Core course		*3.0*
AUTO 102	Introduction to Automotive	3.0
Required courses		*13.0*
AUTO 111	Engine Repair	5.0
AUTO 119	Light Vehicle Diesel Engines	3.0
AUTO 211	High Performance Engines	5.0
Electives - select one course		
(Complete 3.0 units of AUTO 299 if chosen as elective.)		*3.0*
AUTO 105	Automotive Workplace Skills	3.0
	–or–	
AUTO 284	Automotive Emerging Technologies	3.0
	–or–	
AUTO 299	Work Experience - Automotive	3.0
		Total: 19.0

Mopar Advanced Systems: Certificate of Achievement
Program Code: SAC.AUMAS.CA
Program Control Number: 42834

The Mopar Advanced Systems certificate of achievement is designed to prepare students for employment at a Chrysler, Dodge, Jeep, Ram dealership. Technical instruction includes lecture and lab experiences in a specific Mopar content which focuses on Mopar advanced concepts such as hybrid and electric vehicles, Mopar 4xe system, noise, vibration, and harness diagnosis, air conditioning systems, heating systems, and diagnosis of related components. Students will be prepared for employment at a Mopar dealership as an entry-level technician, lube technician, or apprentice. Students are required to complete 8 units of AUTO-299, Automotive Work Experience (repeatable course) as part of the certificate.

Learning Outcome(s):

1. Explain the proper safety procedures and precautions when working with high voltage systems.
2. Identify the major high voltage components of a hybrid and electric vehicle.
3. Use an air conditioning recover and recharge machine to perform an A/C service on a Mopar vehicle.
4. Demonstrate the necessary requirements to obtain employment at a Mopar dealership.

Required Courses		*11.0*
AUTO 229	Mopar Electrical Systems	3.0
AUTO 299	Work Experience - Automotive	8.0
		Total: 11.0

Mopar Drivability Systems: Certificate of Achievement
Program Code: SAC.AUMDS.CA
Program Control Number: 42833

The Mopar Drivability Systems certificate of achievement is designed to prepare students for employment at a Chrysler, Dodge, Jeep, Ram dealership. Technical instruction includes lecture and lab experiences in a specific Mopar content which focuses on Mopar drivability concepts such as sensors, computers, diesel engines, advanced electrical, network communication, emission control devices, emission regulations, scantool usage, and on-board diagnosis. Students will be prepared for employment at a Mopar dealership as an entry-level technician, lube technician, or apprentice.

Learning Outcome(s):

1. Use Mopar service information and electrical testing tools to find a short-to-ground and high resistance electrical faults.
2. Use the Mopar wiTECH to retrieve diagnostic trouble codes and find data stream inputs for a gasoline and diesel engine.
3. Explain engine control module interpretation of inputs and outputs to obtain a desired air/fuel ratio.4.
4. Identify the major components of a Mopar diesel engine.

Required Courses		*10.0*
AUTO 226	Mopar CAP Training Phase 2	4.0
AUTO 227	Mopar Diesel Engines	3.0
AUTO 228	Mopar CAP Training Phase 3	3.0
		Total: 10.0

Mopar Fundamentals: Certificate of Achievement
Program Code: SAC.AUMF.CA
Program Control Number: 42832

The Mopar Fundamentals certificate of achievement is designed to prepare students for employment at a Chrysler, Dodge, Jeep, Ram dealership. Technical instruction includes lecture and lab experiences in a specific Mopar content which focuses on Mopar fundamental concepts such as basic diagnosis, training requirements, engine design, vehicle maintenance, and chassis systems. Students will be prepared for employment at a Mopar dealership as an entry-level technician, lube technician, or apprentice.

Learning Outcome(s):

1. Explain Mopar vehicle maintenance standards and requirements.
2. Employ the Mopar WiTech and Micropod to perform basic diagnostics on a vehicle.
3. Describe the process and requirements to become a Mopar Master Technician.

Required Courses		*10.0*
AUTO 220	Mopar Career Automotive Program Foundations	3.0
AUTO 221	Mopar CAP Training Phase 1	4.0
AUTO 222	Mopar Engine Repair	3.0
		Total: 10.0

Mopar Mechanical Systems: Certificate of Achievement
Program Code: SAC.AUMMS.CA
Program Control Number: 42831

The Mopar Mechanical Systems certificate of achievement is designed to prepare students for employment at a Chrysler, Dodge, Jeep, Ram dealership. Technical instruction includes lecture and lab experiences in a specific Mopar content which focuses on Mopar mechanical concepts such as suspension, steering, wheels, tires, alignment, brakes, power brakes, driveline, automatic transmissions, manual transmissions, and diagnosis of related components. Students will be prepared for employment at a Mopar dealership as an entry-level technician, lube technician, or apprentice.

Learning Outcome(s):

1. Explain the operation and purpose of the driveline system on modern Mopar vehicles.
2. Use service library and Mopar specific tools to disassemble and assemble a transmission.
3. Identify the major components of a diesel engine on modern Mopar vehicles.

Required Courses		*10.0*
AUTO 223	Mopar Chassis Systems	3.0
AUTO 224	Mopar Driveline Systems	3.0
AUTO 225	Mopar Automatic Transmissions	4.0
		Total: 10.0

Mopar Service Technician: Certificate of Achievement
Program Code: SAC.AUMSE.CA
Program Control Number: 42830

The Mopar Service Technician certificate of achievement is designed to prepare students for employment at a Chrysler, Dodge, Jeep, Ram dealership. Technical instruction includes lecture and lab experiences in a specific Mopar content which focuses on Mopar concepts such as electrical circuits, gasoline engine repair, suspension, steering, tires, alignment, brakes, transmissions, diesel engines, engine diagnostics, high voltage systems, air conditioning, heating, and work experience at a Mopar dealership. Students will be prepared for employment at a Mopar dealership as an entry-level technician, lube technician, or apprentice. Students are required to complete 12 units of AUTO-299, Work Experience - Automotive (repeatable course) as part of the certificate.

Learning Outcome(s):

1. Explain the eight areas of a vehicle as determined by Automotive Service Excellence (ASE).
2. dentify the minimum requirements for becoming a master Mopar technician employed at a dealership.
3. Use the proper tools and equipment to perform routine maintenance on a Mopar vehicle.

Required Courses		*45.0*
AUTO 220	Mopar Career Automotive Program Foundations	3.0
AUTO 221	Mopar CAP Training Phase 1	4.0
AUTO 222	Mopar Engine Repair	3.0
AUTO 223	Mopar Chassis Systems	3.0
AUTO 224	Mopar Driveline Systems	3.0
AUTO 225	Mopar Automatic Transmissions	4.0
AUTO 226	Mopar CAP Training Phase 2	4.0
AUTO 227	Mopar Diesel Engines	3.0
AUTO 228	Mopar CAP Training Phase 3	3.0
AUTO 229	Mopar Electrical Systems	3.0
AUTO 299	Work Experience - Automotive	12.0
		Total: 45.0

BIOLOGY

Biology: A.S.-T Degree for Transfer
Program Code: SAC.BIOL.AST
Program Control Number: 35134

The Associate in Science in Biology for Transfer prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in Biology or similar majors. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AST degree also provides guaranteed admission to the California State University (CSU) system with junior status, although not to a particular campus or major.

Upon completion of the Biology AS-T degree, students will have the necessary foundation for upper division coursework as biology majors. In particular, students will demonstrate a strong understanding of biological principles and processes, as well as the ability to apply scientific methods to analyze data and solve complex problems. They will also possess critical thinking skills, proficiency in laboratory techniques, and a solid foundation in areas such as genetics, ecology, and microbiology, preparing them for diverse careers in science, healthcare, and research. The Biology AS-T is a starting point for students who are preparing for careers in biological sciences, biomedical sciences, and related fields including but not limited to research, consulting and government work, where scientific and technical skills are in high demand.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will successfully complete the sequence of biology courses needed for transfer (Biology 211 and 212, or Biology 211 and 214).
2. Students will successfully transfer to universities.

Required Core		*14.0*
BIOL 275	Cell and Molecular Biology	4.0
BIOL 212	Animal Diversity and Ecology	5.0
BIOL 214	Plant Diversity and Evolution	5.0
List A		**Units: 22**
General Chemistry		*10.0*
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
CHEM 229	General Chemistry and Qualitative Analysis	5.0
Principles of Physics		*8.0*
PHYS 210	Principles of Physics I	4.0
PHYS 211	Principles of Physics II	4.0
College Physics		*0.0*
PHYS 279	College Physics I	4.0
PHYS 289	College Physics II	4.0
Engineering Physics		*0.0*
PHYS 217	Engineering Physics I	4.0
PHYS 227	Engineering Physics II	4.0
MATH C2210	Calculus I Early Transcendentals	4.0
		Total: 36.0

Biological Science: A.S. Degree
Program Code: SAC.BIOL.AS
Program Control Number: 04185

The associate degree in biotechnology prepares students for careers in a wide variety of industry or for curriculum at a four-year institutions leading to a baccalaureate degree in such areas as molecular biology, biochemistry, cell biology and microbiology. These fields provide career opportunities in biomanufacturing, research and development, and teaching. See counseling for transfer requirements.

Students who complete this degree will obtain an A.S degree in biotechnology, will have obtained proficiency in basic and more advanced laboratory skills, and will have been exposed to fundamental theory and general education necessary to transfer and succeed in related Bachelor's degree programs. By having a coordinated collaboration between four campuses in Orange County, students will benefit by having multiple opportunities to seek to experience extracurricular informational events in the field of biotechnology. This degree meets the needs of the emerging and growing biotechnology sector in Orange County. Although this program is a coordinated collaboration between colleges, no formal MOU has been signed. Additionally, a student can choose to enroll in this program, take all of the courses, and graduate with a degree from Santa Ana College. Students do not have to take courses at the other campuses.

Learning Outcome(s):

1. Students will successfully complete the sequence of biology courses needed for transfer
2. Students will successfully transfer to universities.

Core Courses		*19.0-20.0*
BIOL 211	Cellular and Molecular Biology	5.0
	–or–	
BIOL 275	Cell and Molecular Biology	4.0
BIOL 212	Animal Diversity and Ecology	5.0
BIOL 214	Plant Diversity and Evolution	5.0
	–or–	
BIOL 290	Biochemistry and Molecular Biology	5.0
CHEM 229	General Chemistry and Qualitative Analysis	5.0

Select a minimum of 3 units from the following electives:		*3.0-5.0*
BIOL 127	Ecology	1.0
BIOL 128	Natural History of the California Coast	1.0
BIOL 132	Natural History of Death Valley	1.0
BIOL 133	Desert Biology	1.0
BIOL 139	Health Microbiology	4.0
BIOL 149	Human Anatomy and Physiology	4.0
BIOL 169	Natural History of the Sierra Nevadas	1.0-3.0
BIOL 177	Human Genetics	3.0
BIOL 217	Pathophysiology	3.0
BIOL 229	General Microbiology	5.0
BIOL 239	General Human Anatomy	4.0
BIOL 249	Human Physiology	4.0
ENVR 259	Environmental Biology	4.0
BIOL 259	Environmental Biology	4.0
BIOL 129	Ecology of Southern California	1.0
BIOL 131	Natural History of the Southwest	3.0
		Total: 22.0-25.0

Biotechnology: A.S. Degree
Program Code: SAC.BIOT.AS
Program Control Number: 33690

The associate degree in biotechnology prepares students for careers in a wide variety of industry or for curriculum at a four-year institutions leading to a baccalaureate degree in such areas as molecular biology, biochemistry, cell biology and biomanufacturing. These fields provide career opportunities in biotechnology, biomanufacturing, research and development, and teaching. See counseling for transfer requirements.

Learning Outcome(s):

1. Students will know how genetically engineer a gene, subclone and express it to obtain a purified sample of a genetically engineered protein.

Required		**Units: 33.0-34.5**
Required core (Biotech courses)		*16.0*
BIOL 191	Biotech A: Basic Skills	4.0
BIOL 192	Biotech B: Proteins	4.0
BIOL 193	Biotech C: Nucleic Acids	4.0
BIOL 194	Quality and Regulatory Compliance in Biosciences	2.0
BIOL 202	Cell Culture Techniques	2.0
Required core (Statistics)		*4.0-4.5*
STAT C1000	Introduction to Statistics	4.0
STAT C1000E	Introduction to Statistics	4.5
STAT C1000H	Introduction to Statistics - Honors	4.0
Required core (cell and molecular biology)		*4.0-4.5*
BIOL 211	Cellular and Molecular Biology	5.0
BIOL 275	Cell and Molecular Biology	4.0
Required core (chemistry)		
Take CHEM 209 and one of the CHEM 219 series		*9.0*
CHEM 209	Introductory Chemistry	4.0
CHEM 219	General Chemistry	5.0
CHEM 219H	Honors General Chemistry	5.0
		Total: 33.0-34.5

Biotechnology Biomanufacturing Technician: Certificate of Achievement
Program Code: SAC.BTMFT.CA
Program Control Number: 32998

This certificate program in biotechnology biomanufacturing is designed to prepare students for entry level positions in the biomanufacturing industry in fields requiring basic laboratory skills such as aseptic technique, solution preparation, standard equipment utilization as well as knowledge of protein expression and purification.

Learning Outcome(s):

1. Students will know how to obtain a purified sample of a genetically engineered protein.

Required Courses		*11.0*
BIOL 192	Biotech B: Proteins	4.0
BIOL 194	Quality and Regulatory Compliance in Biosciences	2.0
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
		Total: 11.0

Biotechnology Lab Assistant: Certificate of Achievement

Program Code: SAC.BIOLA.CA

Program Control Number: 41874

This certificate program is designed to prepare students for entry level jobs as laboratory assistants in biotechnology and related fields in the bioscience industry or academia.

The major goal of the Biotechnology Lab Assistant Certificate of Achievement is to provide students with information and skills which will provide employment and entry-level opportunities in the biotechnology sector, which includes many industries from food processing to medical device manufacturing (for examples, see section 8 table 1). This degree will allow student to move immediately into jobs in the biotechnology field or to continue with an AS Biotechnology degree and transfer to university in STEM related majors for further study.

By completing this certificate of achievement, students will have obtained proficiency in basic and more advanced laboratory skills, and will have been exposed to fundamental theory and general education necessary to transfer and succeed in related Bachelor's degree programs. By having a coordinated collaboration between the four campuses in Orange County, students will benefit by having multiple opportunities to seek to experience extracurricular informational events in the field of biotechnology. This degree meets the needs of the emerging and growing biotechnology sector in Orange County. Although this program is a coordinated collaboration between colleges, no formal MOU has been signed. Additionally, a student can choose to enroll in this program, take all of the courses, and graduate with a degree from Santa Ana College. Students do not have to take courses at the other campuses.

Learning Outcome(s):

1. Offer a Certificate of Achievement for a Biotechnology Lab Assistant at Santa Ana College (SAC) in collaboration with Santiago Canyon College (SCC) Fullerton College (FC), and Irvine Valley College (IVC)
2. Integrate existing courses (e.g. chemistry) with biotechnology courses to support the industry needs and provide students with entry level lab skills for employment opportunities or continued course work in academia.

Required courses.		*8.0*
CHEM 209	Introductory Chemistry	4.0
BIOL 191	Biotech A: Basic Skills	4.0
To fullfill remaining certificate requirements, students		
can choose from BIOL190/L, BIOL 211, BIOL275,		
BIOL 229 or BIOL139.		*4.0-5-0*
BIOL 190	Introduction to Biotechnology	3.0
BIOL 190L	Introductory Biotech Lab	1.0
BIOL 211	Cellular and Molecular Biology	5.0
BIOL 275	Cell and Molecular Biology	4.0
BIOL 229	General Microbiology	5.0
BIOL 139	Health Microbiology	4.0
		Total: 12.0-13.0

Biotechnology Laboratory Technician: Certificate of Achievement

Program Code: SAC.BTLT.CA

Program Control Number: 32959

This certificate curriculum is designed to prepare students with the skills they need to work in the upstream processing area of a biotechnology company or provide them with the foundation necessary to transfer to a 4 year university to continue their studies in biotechnology .

The major goal of the Biotechnology Lab Technician Certificate of Achievement is to provide students with information and skills which will provide employment and entry-level opportunities in the biotechnology sector, which includes many industries from food processing to medical device manufacturing. This degree will allow student to move immediately into jobs in the biotechnology field or to continue with an AS Biotechnology degree and transfer to university in STEM related majors for further study.

By completing this certificate of achievement, students will have obtained proficiency in basic and more advanced laboratory skills, and will have been exposed to fundamental theory and general education necessary to transfer and succeed in related Bachelor's degree programs. By having a coordinated collaboration between the four campuses in Orange County, students will benefit by having multiple opportunities to seek to experience extracurricular informational events in the field of biotechnology. This degree meets the needs of the emerging and growing biotechnology sector in Orange County. Although this program is a coordinated collaboration between colleges, no formal MOU has been signed. Additionally, a student can choose to enroll in this program, take all of the courses, and graduate with a degree from Santa Ana College. Students do not have to take courses at the other campuses.

Learning Outcome(s):

1. Offer a Certificate of Achievement for a Biotechnology Lab Technician at Santa Ana College (SAC) in collaboration with Santiago Canyon College (SCC) Fullerton College (FC), and Irvine Valley College (IVC).
2. Develop further industry involvement and internship opportunities for students.
3. Have 10 student completers for Biotechnology Lab Technician Certificate by 2026.

Required Courses		*6.0*
BIOL 193	Biotech C: Nucleic Acids	4.0
BIOL 202	Cell Culture Techniques	2.0
At least 8 units from the following list		*8.0-10.0*
BIOL 139	Health Microbiology	4.0
BIOL 177	Human Genetics	3.0
BIOL 197	Work Experience - STEM internship	1.0-4.0
BIOL 211	Cellular and Molecular Biology	5.0
	–or–	
BIOL 275	Cell and Molecular Biology	4.0
BIOL 229	General Microbiology	5.0
BIOL 290	Biochemistry and Molecular Biology	5.0
CHEM 229	General Chemistry and Qualitative Analysis	5.0
		Total: 14.0-16.0

QC/QA Microbiology Technician: Certificate of Achievement
Program Code: SAC.BTLQC.CA
Program Control Number: 32999

This certificate curriculum in quality assurance and quality control microbiology and biology is designed to prepare students for careers in fields such as biotechnology, medical devices, pharmaceuticals, biologicals, food safety, biomanufacturing, and testing laboratories.

This program also develops essential job skills for microbiologists and lab technicians through the emphasis of essential soft skills and laboratory skills. Many university biology programs may not include these types of job skill courses as part of their curriculum. The General Microbiology course in this program transfers to the university and the laboratory and soft skills from all the courses are directly applicable to university research labs. This has been confirmed on numerous occasions from our former certificate completer who have enrolled in or completed university programs.

Learning Outcomes

- Students will know how to perform advanced aspects of aseptic technique
- Students will know how to aseptically test for things such as biological indicators (BIs), mutagens, and antimicrobials

Learning Outcome(s):

1. Demonstrate knowledge of quality assurance and regulatory compliance.
2. Students will be able to keep an industry standard notebook.
3. Students will be able to preform industry standard quality control testing.

Required		*13.0*
BIOL 191	Biotech A: Basic Skills	4.0
BIOL 229	General Microbiology	5.0
BIOL 194	Quality and Regulatory Compliance in Biosciences	2.0
BIOL 195	Biotech: QC Microbiology	2.0
		Total: 13.0

BUSINESS ADMINISTRATION

Business Administration 2.0: A.S.-T Degree for Transfer
Program Code: SAC.BUS2.AST
Program Control Number: 41816

The Associate in Science in Business Administration for Transfer (AST) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in Business Administration. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AS-T degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the AS-T degree in Business Administration, students will have a general understanding of business fundamentals, including the areas of accounting, economics, and computer information systems. In addition, they will have an understanding of the legal environment of business, and will have a sufficient understanding of mathematical concepts to enable them to successfully pursue a business degree at a four-year institution.

The AS-T degree in Business Administration is appropriate for students whose vocational plans include careers in business fields such as accounting, computer information systems, finance, management, marketing, or other business fields.

NOTE: This degree was revised effective Fall 2022. Students who begin this program at SAC prior to Fall 2022 may have catalog rights to the previous version. Please see a counselor for additional information.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis..

Learning Outcome(s):

1. Communicate business and financial information in a clear, concise, and well organized manner.
2. Apply financial, accounting, and business knowledge to collaborate with others toward a common goal.
3. Integrate core concepts and theories across functional areas of business.

Required Core:		*28.0-29.5*
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
ECON C2002	Principles of Macroeconomics	3.0
ECON C2001	Principles of Microeconomics	3.0
BUS 101	Business Law	3.0
	–or–	
BUS 105	Legal Environment of Business	3.0
	–or–	
LAW 105	Legal Environment of Business	3.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0

MATH 145	Finite Mathematics	4.0
	–or–	
MATH 150	Calculus for Biological, Management and Social Sciences	5.0
BUS 100	Fundamentals of Business	3.0
	–or–	
BUS 222	Business Writing	3.0
		Total: 28.0-29.5

Business Administration: A.A. Degree

Program Code: SAC.BUS.AA

Program Control Number: 10565

The associate degree curriculum in business administration enables students to move into a curriculum at a four-year institution leading to a baccalaureate degree. Career opportunities exist in many areas of business administration such as accounting, financial planning and analysis, financial service specialties, management, marketing and sales, production and logistics, and systems and technology development.

Learning Outcome(s):

1. Students will create clear, concise, well organized written business documents such as memos, reports, and executive summaries including financial information that can be used in an effective manner to communicate.
2. Students will possess adequate technical knowledge to create financial information to be used in the accounting and related business environment.
3. Students will be able to transfer to a 4 year university as a business administration major.

Core courses for the associate in arts or science degree:		*23.0*
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
ECON C2002	Principles of Macroeconomics	3.0
ECON C2001	Principles of Microeconomics	3.0
BUS 150	Introduction to Information Systems and Applications	3.0
BUS 222	Business Writing	3.0
Select ONE of the following:		
BUS 101	Business Law	3.0
	–or–	
BUS 105	Legal Environment of Business	3.0
*Select ONE course from the following electives** (see note):*		*3.0-4.0*
BUS 100	Fundamentals of Business	3.0
BUS 120	Principles of Management	3.0
BUS 125	Introduction to International Business	3.0
BUS 140	Principles of Finance	3.0
MKTG 113	Principles of Marketing	3.0
MGMT 120	Principles of Management	3.0
MATH 150	Calculus for Biological, Management and Social Sciences	5.0
		Total: 26.0-27.0

BUSINESS APPLICATIONS & TECHNOLOGY

Artificial Intelligence (AI) For Business: A.S. Degree

Program Code: SAC.BAAI.AS

Program Control Number: 45644

The AI for Business AS Degree provides professional training to build skills and knowledge in using AI applications such as ChatGPT in business, education, healthcare, law, and government. You will explore how AI is transforming areas in marketing, finance, human resources, customer service, and operations. Topics will include strategies, helpful tips, benefits, challenges, and ethical considerations when using AI in the workplace, education, and other industries. You will learn to use AI to drive innovation and boost efficiency for various projects.

Learning Outcome(s):

1. Understand basic concepts and principles of AI technologies used for business, education, and government.
2. Identify various AI tools and technologies used in different business functions, such as marketing, human resources, customer service, and operations.
3. Identify the use of AI in different industries and careers.
4. Identify the benefits and challenges of using AI technology in business, education, and other industries.
5. Evaluate ethical considerations associated with using AI technology in business, education, and other industries.

Required Courses		*9.0*
BA 105	Introduction to AI for Business	3.0
BA 106	ChatGPT & Generative AI Applications	2.0
BA 107	AI Strategies for Business	2.0
BA 108	AI Ethics for Business	2.0
Elective Courses: Select 1 Emphasis		*9.0-10.0*
Computer Science Emphasis		*9.0*
CMPR 158	Intro to Artificial Intelligence	3.0
CMPR 159	Intro to Machine Learning with Python	3.0
CMPR 160	Intro to Deep Learning, Neural Networks with Keras and PyTorch	3.0
Business Technology Emphasis		*10.0*
BUS 150	Introduction to Information Systems and Applications	3.0
BA 146	Computer Fundamentals	1.5
BA 147	Microsoft Windows, OneDrive & OneNote	1.5
BA 127	Microsoft Teams	2.0
BA 182	Google Apps & Google Drive	2.0
Marketing, Digital Publishing & Generative AI Images Emphasis		*10.0*
MKTG 123	Marketing and Technology - Trends and Cutting Edges	1.0
BA 164	Adobe Photoshop	3.0
BA 165	Adobe Express	3.0
BA 168	Adobe Firefly - Generative AI Images	2.0
Business Writing for Social Media		*1.0*
MKTG 130	Business Writing for Social Media	1.0
	–or–	
ENTR 130	Business Writing for Social Media	1.0
Education Emphasis		*9.0*
BA 109	AI for Education	2.0
BA 182	Google Apps & Google Drive	2.0
BA 165	Adobe Express	3.0
BA 168	Adobe Firefly - Generative AI Images	2.0
		Total: 18.0-19.0

Business Applications and Technology: A.S. Degree

Program Code: SAC.BA.AS

Program Control Number: 04193

Gain professional training in business technology, digital communication, and AI tools used in today's workplace. Develop technical proficiency using Microsoft 365, Google Workspace, and Adobe Creative Cloud to produce professional documents, spreadsheets, presentations, and reports that meet current business standards. Apply AI applications such as Microsoft Copilot, ChatGPT, Canva AI, and Adobe Firefly to streamline workflows, automate tasks, and enhance creativity. Strengthen leadership, collaboration, customer service, and professional communication skills needed for success in business and office environments.

This program includes preparation for multiple Microsoft Office Specialist (MOS) and Adobe Certified Professional (ACP) exams, earning industry-recognized certifications that expand career opportunities and demonstrate technical proficiency in digital business, design, and productivity technologies. This program builds upon the Business Applications and Technology and Computer Fundamentals for Business certificate programs, providing advanced training for careers in business technology, office administration, and digital productivity.

Learning Outcome(s):

1. Demonstrate leadership, professionalism, and employability skills required for business and office environments.
2. Create and manage business projects using Microsoft 365, Google Workspace, and Adobe Creative Cloud applications.
3. Apply AI technologies such as Copilot, ChatGPT, Canva AI, and Firefly to enhance communication, data management, and creative output.
4. Integrate multiple business and design applications to plan, produce, and share professional projects collaboratively.
5. Apply ethical standards, data privacy, and responsible technology use in business communication and digital operations.

Required courses:		*23.0*
BA 146	Computer Fundamentals	1.5
BA 147	Microsoft Windows, OneDrive & OneNote	1.5
BA 110	Computer Keyboarding Skills	0.5
BA 115	Computer Keyboarding Speed and Accuracy Development	0.5
BA 182	Google Apps & Google Drive	2.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 126	Microsoft Outlook	2.0
BA 163	Adobe Acrobat	3.0
BA 100	Business Writing Skills	3.0
BA 102	Professional Skills & Career Readiness	3.0
BA 103	Business Mathematics	3.0
BA 153	LinkedIn & Social Media Applications	1.5
Select 1 of the following elective courses:		*1.0-4.0*
BA 105	Introduction to AI for Business	3.0
BA 106	ChatGPT & Generative AI Applications	2.0
BA 181	Mobile & AI Apps for Business	2.0
BA 127	Microsoft Teams	2.0
BA 189	Advanced Microsoft Excel	2.0
CMPR 167	Microsoft Access	3.0
ACCT 120	QuickBooks Online	4.0
BA 164	Adobe Photoshop	3.0
BA 160	Microsoft Designer – AI Design	2.0
BA 155	WordPress	2.0
BA 165	Adobe Express – Generative AI Design	3.0
BA 168	Adobe Firefly – Generative AI Images	2.0
BA 156	Canva	2.0
BA 158	Introduction to Drones	1.5
BA 101	Work Experience - Business Applications & Technology	1.0-4.0

Total: 24.0-27.0

Drone Technology: A.S. Degree

Program Code: SAC.BADRT.AS

Program Control Number: 45643

The Drone Technology AS Degree program provides training in using drones legally and safely for commercial and recreational use. Topics include types of drones, taking and editing photos and videos, live stream video for social media, first-person view (FPV) goggles, motion controller, FAA regulations, drone registration, preflight, and problem-solving flight situations. Learn about the many careers and industries using drones (public safety, investigations, construction, engineering, inspections, real estate, marketing, media, delivery, insurance). This program prepares students for the Adobe Certified Professional (ACP) exams for Photoshop, Premiere Pro, and After Effects to earn industry recognized certifications. This program prepares students for the FAA Recreational UAS Safety Test TRUST and FAA Part 107 Remote Pilot Exam Certifications.

Learning Outcome(s):

1. Understand the difference between using drones for commercial and recreational purposes.
2. Understand Federal Aviation Administration (FAA) regulations for commercial and recreational drone usage including drone registration.
3. Understand how to fly a drone safely and legally based on federal, state, and local regulations.
4. Understand how different careers and industries use drones.
5. Demonstrate proficiency in using drones to take photos and record videos.
6. Demonstrate proficiency in using Adobe applications to edit photos and videos taken by drones.

Required Courses		*13.5-15.5*
BA 158	Introduction to Drones	1.5
DM 170	Drone Pilot License Test Prep	0.5
Drones & the Law		*0.5*
BA 161	Drones & The Law	0.5
	–or–	
CJA 050	Introduction to Drone Laws	0.5
BA 164	Adobe Photoshop	3.0
BA 171	Adobe Premiere Pro	3.0
BA 172	Adobe After Effects	3.0
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
(Must complete a minimum of 2 units of BA 101)		
Elective Courses: Select 1 Emphasis		*5.0-9.0*
Mapping, Surveying & Geographic Analysis Emphasis		*5.0*
BA 159	Drones for Mapping	2.0
	–and–	
GEOG 155	Introduction to Geographic Information Systems	3.0
Business & Reporting Emphasis		*6.0-9.0*
BA 102	Professional Skills & Career Readiness	3.0
	–and–	
Microsoft Office Applications		*3.0-6.0*
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
	–or–	
BA 125, BA 190, BA 188		*6.0*
BA 125	Microsoft Word	2.0
BA 190	Microsoft PowerPoint	2.0
BA 188	Microsoft Excel	2.0
Marketing & Digital Publishing Emphasis		*8.5*
BA 153	Social Media Apps for Employment and Business	1.5
	–and–	
Business Writing for Social Media		*1.0*
MKTG 130	Business Writing for Social Media	1.0
	–or–	
ENTR 130	Business Writing for Social Media	1.0
MKTG 123	Marketing and Technology - Trends and Cutting Edges	1.0
BA 165	Adobe Express	3.0
BA 168	Adobe Firefly - Generative AI Images	2.0

Total: 18.5-24.5

Spanish / English Interpretation and Translation: A.S. Degree

Program Code: SAC.BASE.AS

Program Control Number: 40501

Develop advanced Spanish and English bilingual skills for a professional career as an interpreter or translator. Learn how to provide interpreting and translating services across multiple industries, including business, medical, legal, education, and government. Strengthen written and oral translation techniques, apply industry-specific terminology, and master the three methods of interpretation: Consecutive, Simultaneous, and Sight Translation. Build strong communication, cultural competence, and ethical decision-making skills while understanding the interpreter's professional responsibilities and standards of practice.

Apply bilingual skills in practical settings using translation and interpreting technologies to enhance accuracy and efficiency in both in-person and remote environments. Coursework emphasizes AI-assisted translation tools, professional standards, and cross-cultural communication required for bilingual careers. This degree builds upon the Spanish / English Interpretation and Translation Certificate of Achievement.

Fluency in both Spanish and English (oral and written) is required and confirmed by the instructor through the first assignment.

Learning Outcome(s):

1. Apply advanced Spanish and English grammar and terminology for interpreting and translating in business, medical, legal, education, and government settings.
2. Demonstrate professional ethics, accuracy, and cultural awareness in bilingual communication.
3. Use digital and AI translation technologies to improve workflow efficiency, collaboration, and remote interpreting services.
4. Deliver professional interpreting and translating services that meet current industry standards.
5. Identify interpreter and translator career opportunities, certification pathways, and continuing education requirements for professional advancement.

Required courses:		*25.0*
BA 130	Introduction to Spanish Bilingual Interpreting	3.0
BA 131	Business Interpretation and Translation - Spanish / English	3.0
BA 132	Medical Interpretation and Translation - Spanish / English	3.0
BA 133	Legal Interpretation and Translation - Spanish / English	3.0
	–or–	
LAW 133	Legal Interpretation and Translation - Spanish / English	3.0
BA 149	Technology for Interpreters & Translators	2.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 126	Microsoft Outlook	2.0
BA 163	Adobe Acrobat	3.0
BA 100	Business Writing Skills	3.0
Select 1 of the following courses to strengthen your language skills:		*3.0-5.0*
ENGL C1000	Academic Reading and Writing	4.0
ENGL C1000H	Academic Reading and Writing-Honors	4.0
SPAN 101	Elementary Spanish I	5.0
SPAN 101H	Honors Elementary Spanish I	5.0
SPAN 195A	Advanced Conversational Spanish	3.0
Select 2 of the following elective courses:		*1.0-4.0*
MA 051A	Beginning Medical Terminology	3.0
PARA 100	Law and Society	3.0
LAW 100	Law and Society	3.0
BA 146	Computer Fundamentals	1.5
BA 147	Microsoft Windows, OneDrive & OneNote	1.5
BA 102	Professional Skills & Career Readiness	3.0
BA 153	LinkedIn & Social Media Applications	1.5
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 30.5-37.0

Vietnamese / English Interpretation and Translation: A.S. Degree

Program Code: SAC.BAVE.AS

Program Control Number: 40502

Develop Vietnamese and English bilingual skills for a professional career as an interpreter or translator. Learn how to provide interpreting and translating services across multiple industries, including business, medical, legal, education, and government. Strengthen written and oral translation techniques, apply industry-specific terminology, and master the three methods of interpretation: Consecutive, Simultaneous, and Sight Translation. Build strong communication, cultural competence, and ethical decision-making skills while understanding the interpreter's professional responsibilities and standards of practice.

Apply bilingual skills in practical settings using translation and interpreting technologies to enhance accuracy and efficiency in both in-person and remote environments. Coursework emphasizes AI-assisted translation tools, professional standards, and cross-cultural communication required for bilingual careers. This degree builds upon the Vietnamese/English Interpretation and Translation Certificate of Achievement.

Fluency in both Vietnamese and English (oral and written) is required and confirmed by the instructor through the first assignment.

Learning Outcome(s):

1. Apply Vietnamese and English grammar and terminology for interpreting and translating in business, medical, legal, education, and government settings.
2. Demonstrate professional ethics, accuracy, and cultural awareness in bilingual communication.
3. Use digital and AI translation technologies to improve workflow efficiency, collaboration, and remote interpreting services.
4. Deliver professional interpreting and translating services that meet current industry standards.
5. Identify interpreter and translator career opportunities, certification pathways, and continuing education requirements for professional advancement.

Required courses:		*25.0*
BA 140	Introduction to Vietnamese Bilingual Interpreting	3.0
BA 141	Business Interpretation and Translation - Vietnamese / English	3.0
BA 142	Medical Interpretation and Translation - Vietnamese / English	3.0
BA 143	Legal Interpretation and Translation - Vietnamese / English	3.
	–or–	
LAW 143	Legal Interpretation and Translation Vietnamese/ English	3.0
BA 149	Technology for Interpreters & Translators	2.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 126	Microsoft Outlook	2.0
BA 163	Adobe Acrobat	3.0
BA 100	Business Writing Skills	3.0
Select 1 of the following courses to strengthen your language skills:		*4.0-5.0*
ENGL C1000	Academic Reading and Writing	4.0
ENGL C1000H	Academic Reading and Writing-Honors	4.0
VIET 101	Elementary Vietnamese I	5.0
VIET 102	Elementary Vietnamese II	5.0
Select 2 of the following elective courses:		*2.5-7.0*
MA 051A	Beginning Medical Terminology	3.0
PARA 100	Law and Society	3.0
LAW 100	Law and Society	3.0
BA 146	Computer Fundamentals	1.5
BA 147	Microsoft Windows, OneDrive & OneNote	1.5
BA 102	Professional Skills & Career Readiness	3.0
BA 153	LinkedIn & Social Media Applications	1.5
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 31.5-37.0

Digital Publishing: A.A. Degree
Program Code: SAC.BADP.AA
Program Control Number: 08708

Professional training in digital publishing and design technologies used to produce business, marketing, and multimedia projects for print, web, and social media. Develop hands-on skills in Adobe Creative Cloud applications including Photoshop, Illustrator, InDesign, Dreamweaver, and Acrobat to design and publish high-quality content that includes graphics, page layouts, and multimedia elements using current business and industry standards. Learn typography, color, workflow integration, and project organization while exploring AI tools such as Adobe Firefly and Adobe Express to enhance creativity, graphic production, and overall productivity.

This program includes preparation for Adobe Certified Professional (ACP) exams in Photoshop, Illustrator, InDesign, Dreamweaver, Acrobat, and related applications to earn multiple industry-recognized certifications that validate technical skills and increase career opportunities. It provides comprehensive training for careers in digital publishing, digital design, and digital marketing. This program provides a clear pathway to the Digital Publishing A.A. Degree, in addition to the Adobe Applications for Business, Adobe Web Projects for Business, Digital Design for Business, and Drone Technology certificate and degree programs.

Learning Outcome(s):

1. Design and produce professional publishing and marketing materials using Adobe Creative Cloud applications.
2. Apply design, typography, and layout principles to create projects for print, web, and multimedia.
3. Integrate Adobe Creative Cloud applications to produce cohesive digital publishing projects that meet business and industry standards.
4. Use AI tools such as Adobe Firefly and Adobe Express to enhance creativity, streamline workflow, and improve design efficiency.
5. Prepare for Adobe Certified Professional (ACP) exams to demonstrate advanced technical proficiency in multiple Adobe applications.

Required courses:		*24.0*
BA 163	Adobe Acrobat	3.0
BA 164	Adobe Photoshop	3.0
BA 166	Adobe Illustrator	3.0
BA 170	Adobe InDesign – Page Layout	3.0
BA 169	Adobe Dreamweaver – Web Design, SEO	3.0
BA 153	LinkedIn & Social Media Applications	1.5
BA 154	Google Analytics & SEO Applications	1.5
BA 171	Adobe Premiere Pro – Video Editing	3.0
BA 172	Adobe After Effects	3.0
Select 2 of the following elective courses:		*2.5-7.0*
BA 173	Adobe Animate	3.0
BA 165	Adobe Express – Generative AI Design	3.0
BA 168	Adobe Firefly – Generative AI Images	2.0
BA 160	Microsoft Designer – AI Design	2.0
BA 106	ChatGPT & Generative AI Applications	2.0
BA 155	WordPress	2.0
BA 158	Introduction to Drones	1.5
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 26.5-31.0

Microsoft Office Professional: A.A. Degree
Program Code: SAC.BAMSO.AA
Program Control Number: 08709

Professional Microsoft Office training in Microsoft 365 and cloud-based business applications used to create, manage, and share professional documents, spreadsheets, presentations, and databases. Develop advanced hands-on skills in Microsoft Word, Excel, PowerPoint, Outlook, Teams, and Access, along with supporting tools such as OneDrive, OneNote, and Adobe Acrobat for collaboration and file management. Learn to integrate multiple Microsoft applications for comprehensive business projects and apply AI tools such as Microsoft Copilot and ChatGPT to enhance productivity, communication, and workflow efficiency.

This program includes preparation for multiple Microsoft Office Specialist (MOS) certification exams including Word Expert, Excel Expert, Access, and the Adobe Certified Professional (ACP) exam in Adobe Acrobat for advanced PDF and document management skills. Earn industry-recognized certifications that validate technical proficiency and expand career opportunities. This certificate provides a clear pathway to the Microsoft Office Professional A.A. Degree, as well as the Business Applications and Technology, Computer Fundamentals for Business, Office Management, and Digital Publishing certificate and degree programs.

Learning Outcome(s):

1. Create, manage, and present professional business documents, spreadsheets, presentations, and databases using Microsoft 365 applications.
2. Integrate advanced features of Word, Excel, PowerPoint, Outlook, Teams, and Access to complete comprehensive business and data projects.
3. Use AI tools such as Microsoft Copilot and ChatGPT to enhance productivity, analysis, and creative design in business documents and communication.
4. Apply advanced file management, data organization, and collaboration techniques using OneDrive, OneNote, Teams, and Adobe Acrobat.
5. Prepare for Microsoft Office Specialist (MOS) Expert-level and Adobe Certified Professional (ACP) certification exams in Acrobat to demonstrate advanced technical proficiency for administrative and business technology careers.

Required courses:		*22.0*
BA 146	Computer Fundamentals	1.5
BA 147	Microsoft Windows, OneDrive & OneNote	1.5
BA 110	Computer Keyboarding Skills	0.5
BA 115	Computer Keyboarding Speed and Accuracy Development	0.5
BA 125	Microsoft Word	2.0
BA 190	Microsoft PowerPoint	2.0
BA 126	Microsoft Outlook	2.0
BA 127	Microsoft Teams	2.0
BA 188	Microsoft Excel	2.0
BA 189	Advanced Microsoft Excel	2.0
CMPR 167	Microsoft Access	3.0
BA 163	Adobe Acrobat	3.0
Select 1 of the following elective courses:		*1.5-3.0*
BA 160	Microsoft Designer – AI Design	2.0
BA 164	Adobe Photoshop	3.0
BA 170	Adobe InDesign – Page Layout	3.0
BA 182	Google Apps & Google Drive	2.0
BA 102	Professional Skills & Career Readiness	3.0
BA 153	LinkedIn & Social Media Applications	1.5
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 23.5-25.0

Office Management: A.A. Degree

Program Code: SAC.BAOM.AA

Program Control Number: 04189

TProfessional training in office management, business communication, and digital collaboration for students preparing for administrative careers in today's technology-driven workplace. Develop skills in leadership, organization, business writing, and customer service using current business standards. Learn to manage office procedures, plan meetings, and coordinate projects using Microsoft 365 applications such as Word, Excel, PowerPoint, Outlook, and Teams. Strengthen communication, problem-solving, and decision-making abilities while applying AI tools such as Microsoft Copilot and ChatGPT to improve efficiency, accuracy, and productivity in administrative operations.

This degree includes preparation for multiple Microsoft Office Specialist (MOS) certification exams in Word, Excel, PowerPoint, and Outlook, earning industry-recognized certifications that validate technical proficiency and career readiness. It builds upon the Office Management Certificate of Achievement and integrates skills from the Microsoft Office Professional, Business Applications and Technology, Computer Fundamentals for Business, and Digital Publishing programs to support career pathways in business technology, office administration, and leadership.

Learning Outcome(s):

6. Demonstrate effective communication, professionalism, and ethical decision-making in office environments.
7. Apply leadership, organization, and time management skills to plan and manage administrative operations.
8. Use Microsoft 365 applications to create and manage business documents, presentations, and data projects.
9. Apply AI tools such as Microsoft Copilot and ChatGPT to streamline office communication, reporting, and scheduling.

Prepare for Microsoft Office Specialist (MOS) certification exams to demonstrate proficiency in Word, Excel, PowerPoint, and Outlook..

Required courses:		*16.0-19.0*
BA 100	Business Writing Skills	3.0
BA 102	Professional Skills & Career Readiness	3.0
BA 103	Business Mathematics	3.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
	–or–	
BA 125	Microsoft Word	2.0
	–and–	
BA 190	Microsoft PowerPoint	2.0
	–and–	
BA 188	Microsoft Excel	2.0
BA 126	Microsoft Outlook	2.0
BA 127	Microsoft Teams	2.0
BA 163	Adobe Acrobat	3.0
Select 2 of the following elective courses:		*3.0-6.0*
BA 189	Advanced Microsoft Excel	2.0
CMPR 167	Microsoft Access	3.0
ACCT 120	QuickBooks Online	4.0
BA 130	Introduction to Spanish Bilingual Interpreting	3.0
BA 140	Introduction to Vietnamese Bilingual Interpreting	3.0
BA 182	Google Apps & Google Drive	2.0
BA 107	AI Strategies for Business	2.0
BA 108	AI Ethics for Business	2.0
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 22.0-28.0

Adobe Applications for Business: Certificate of Achievement

Program Code: SAC.BAAB.CA

Program Control Number: 40732

Professional training in core Adobe Creative Cloud applications used to produce business, marketing, and communication projects for print, web, and social media. Develop hands-on skills using Photoshop, Illustrator, InDesign, Acrobat, and Dreamweaver, including AI tools and AI-powered features such as Adobe Firefly and Generative Fill, to design graphics, page layouts, and web content that meet current business and industry standards. Learn proper file setup, typography, and workflow integration across Adobe apps.

This program includes preparation for Adobe Certified Professional (ACP) exams, earning multiple industry-recognized certifications that strengthen career opportunities. It builds foundational skills for creative professionals and provides a clear pathway to the Digital Publishing certificate and degree programs.

Learning Outcome(s):

1. Create professional graphics, layouts, and web content using core Adobe Creative Cloud applications.
2. Apply AI-assisted tools and design features to enhance creativity, efficiency, and visual quality in business projects.
3. Prepare and export digital files that meet current business and industry standards for print, web, and social media.
4. Prepare for Adobe Certified Professional (ACP) exams to demonstrate proficiency in Photoshop, Illustrator, InDesign, Acrobat, and Dreamweaver.

Required courses:		*15.0*
BA 164	Adobe Photoshop	3.0
BA 166	Adobe Illustrator	3.0
BA 170	Adobe InDesign	3.0
BA 163	Adobe Acrobat	3.0
BA 169	Adobe Dreamweaver	3.0
		Total: 15.0

Adobe Web Projects for Business: Certificate of Achievement

Program Code: SAC.BAAW.CA

Program Control Number: 40917

Professional training in core Adobe Creative Cloud applications used to produce business, marketing, and communication projects for print, web, and social media. Develop hands-on skills using Photoshop, Illustrator, InDesign, Acrobat, and Dreamweaver, including AI tools and AI-powered features such as Adobe Firefly and Generative Fill, to design graphics, page layouts, and web content that meet current business and industry standards. Learn proper file setup, typography, and workflow integration across Adobe apps.

This program includes preparation for Adobe Certified Professional (ACP) exams, earning multiple industry-recognized certifications that strengthen career opportunities. It builds foundational skills for creative professionals and provides a clear pathway to the Digital Publishing certificate and degree programs.

Learning Outcome(s):

1. Create professional graphics, layouts, and web content using core Adobe Creative Cloud applications.
2. Apply AI-assisted tools and design features to enhance creativity, efficiency, and visual quality in business projects.
3. Prepare and export digital files that meet current business and industry standards for print, web, and social media.
4. Prepare for Adobe Certified Professional (ACP) exams to demonstrate proficiency in Photoshop, Illustrator, InDesign, Acrobat, and Dreamweaver.

Required courses:		*12.0*
BA 164	Adobe Photoshop	3.0
BA 169	Adobe Dreamweaver	3.0
BA 171	Adobe Premiere Pro	3.0
BA 172	Adobe After Effects	3.0
	–or–	
BA 173	Adobe Animate	3.0
		Total: 12.0

Artificial Intelligence (AI) For Business: Certificate of Achievement

Program Code: SAC.BAAI.CA

Program Control Number: 45657

The AI for Business Certificate provides professional training to build skills and knowledge in using AI applications such as ChatGPT in business, education, healthcare, law, and government. You will explore how AI is transforming areas in marketing, finance, human resources, customer service, and operations. Topics will include strategies, helpful tips, benefits, challenges, and ethical considerations when using AI in the workplace, education, and other industries. You will learn to use AI to drive innovation and boost efficiency for various projects.

Learning Outcome(s):

1. Understand basic concepts and principles of AI technologies used for business, education, and government.
2. Identify various AI tools and technologies used in different business functions, such as marketing, human resources, customer service, and operations.
3. Identify the use of AI in different industries and careers.
4. Identify the benefits and challenges of using AI technology in business, education, and other industries.
5. Evaluate ethical considerations associated with using AI technology in business, education, and other industries.

Required Courses		*9.0*
BA 105	Introduction to AI for Business	3.0
BA 106	ChatGPT & Generative AI Applications	2.0
BA 107	AI Strategies for Business	2.0
BA 108	AI Ethics for Business	2.0
		Total: 9.0

Business Applications and Technology: Certificate of Achievement

Program Code: SAC.BAT.CA

Program Control Number: 21751

Gain professional training in business technology and AI digital tools used in today's workplace. Develop hands-on skills using Microsoft 365, Google Workspace, and Adobe Creative Cloud to create business documents, presentations, and collaborative projects that meet current business standards. Apply AI applications such as Microsoft Copilot, ChatGPT, Canva AI, and Adobe Firefly to improve efficiency, automate tasks, and enhance creativity. Strengthen communication, customer service, teamwork, and leadership skills needed for success in modern office environments.

This program includes preparation for Microsoft Office Specialist (MOS) and Adobe Certified Professional (ACP) exams, earning multiple industry-recognized certifications that expand career opportunities. It provides a clear pathway to the Business Applications and Technology A.S. Degree program and demonstrates technical proficiency in digital business, design, and productivity technologies.

Learning Outcome(s):

1. Demonstrate professional business and employment readiness skills including communication, teamwork, and customer service.
2. Use Microsoft Office, Google Workspace, and Adobe applications to create business documents, spreadsheets, and presentations.
3. Apply AI tools such as Copilot, ChatGPT, Canva AI, and Firefly to improve efficiency and creativity in business projects.
4. Use ethical and secure technology practices to manage digital information and collaborate effectively in the workplace..

Required courses:		*20.0*
BA 146	Computer Fundamentals	1.5
BA 147	Microsoft Windows, OneDrive & OneNote	1.5
BA 110	Computer Keyboarding Skills	0.5
BA 115	Computer Keyboarding Speed and Accuracy Development	0.5
BA 182	Google Apps & Google Drive	2.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 126	Microsoft Outlook	2.0
BA 163	Adobe Acrobat	3.0
BA 100	Business Writing Skills	3.0
BA 102	Professional Skills & Career Readiness	3.0
Select 1 of the following elective courses:		*1.0-4.0*
BA 103	Business Mathematics	3.0
BA 153	LinkedIn & Social Media Applications	1.5
BA 105	Introduction to AI for Business	3.0
BA 106	ChatGPT & Generative AI Applications	2.0
BA 181	Mobile & AI Apps for Business	2.0
BA 127	Microsoft Teams	2.0
BA 189	Advanced Microsoft Excel	2.0
ACCT 120	QuickBooks Online	4.0
BA 164	Adobe Photoshop	3.0
BA 170	Adobe InDesign – Page Layout	3.0
BA 160	Microsoft Designer – AI Design	2.0
BA 155	WordPress	2.0
BA 165	Adobe Express – Generative AI Design	3.0
BA 168	Adobe Firefly – Generative AI Images	2.0
BA 156	Canva	2.0
BA 158	Introduction to Drones	1.5
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 21.0-24.0

Computer Fundamentals for Business: Certificate of Achievement

Program Code: SAC.CFB.CA

Program Control Number: 41031

Build a strong foundation in computer and business technology skills essential for today's digital workplace or upskill to meet evolving job demands. Learn core computer concepts and terminology while gaining confidence using common business applications and cloud-based tools. Develop hands-on skills with hardware, the Internet, file management, cloud technology, and Microsoft Windows. Explore the use of AI tools and digital assistants to improve productivity, efficiency, and problem-solving. Create, edit, and manage business documents, spreadsheets, and presentations using Microsoft Office and Google Workspace applications.

This program includes preparation for the Microsoft Office Specialist (MOS) exams in Word, Excel, and PowerPoint to earn industry-recognized certifications that expand career and educational opportunities. It provides a clear pathway to the Business Applications and Technology, Microsoft Office Professional, and Office Management certificate and degree programs.

Learning Outcome(s):

1. Demonstrate fundamental computer and technology skills used in modern business environments.
2. Use Microsoft Windows and cloud storage tools to organize, manage, and share digital files effectively.
3. Create and edit professional documents, spreadsheets, and presentations using Microsoft Office and Google Workspace applications.
4. Apply basic AI and cloud-based tools to improve productivity and efficiency in common business tasks.
5. Prepare for Microsoft Office Specialist (MOS) certification exams in Word, Excel, and PowerPoint.

Required courses:		*8.5-11.5*
BA 146	Computer Fundamentals	1.5
BA 147	Microsoft Windows, OneDrive & OneNote	1.5
BA 110	Computer Keyboarding Skills	0.5
BA 182	Google Apps & Google Drive	2.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
	–or–	
BA 125	Microsoft Word	2.0
	–and–	
BA 190	Microsoft PowerPoint	2.0
	–and–	
BA 188	Microsoft Excel	2.0
		Total: 8.5-11.5

Digital Design for Business: Certificate of Achievement

Program Code: SAC.DADG.CA

Program Control Number: 41030

Professional training in digital design, business communication, and marketing applications for creative professionals, freelancers, and small business owners. Develop hands-on skills using Adobe Creative Cloud applications including Photoshop and InDesign to produce professional print, web, and social media projects. Learn WordPress, SEO, and Google Analytics tools to design and manage digital content that supports branding and marketing visibility. BA Adobe courses explore AI-powered tools such as Adobe Firefly and Adobe Express to enhance creativity and improve design workflows. Apply small business management principles to develop client relationships, pricing strategies, and project workflows for freelance and small business success.

This program includes preparation for Adobe Certified Professional (ACP) exams in Photoshop and InDesign to earn industry-recognized certifications that expand career opportunities. It provides essential creative and business skills for students seeking to start or grow a freelance design business, work independently as contractors, or advance in corporate marketing and design roles. This program provides a clear pathway to the Adobe Applications for Business, Adobe Web Projects for Business, Digital Publishing, and Drone Technology certificate and degree programs.

Learning Outcome(s):

1. Design and produce digital business and marketing projects using Adobe Photoshop and InDesign.
2. Apply creative, branding, and layout principles to develop professional print and digital marketing materials.
3. Integrate web, SEO, and social media tools to promote freelance or small business services.
4. Apply business and project management practices including pricing, contracts, and client communication.
5. Use AI-powered design tools within Adobe Creative Cloud applications to enhance creativity and improve workflow efficiency.
6. Prepare for Adobe Certified Professional (ACP) exams in Photoshop and InDesign.

Required courses:		*14.0*
BA 164	Adobe Photoshop	3.0
BA 170	Adobe InDesign – Page Layout	3.0
BA 155	WordPress	2.0
BA 153	LinkedIn & Social Media Applications	1.5
BA 154	Google Analytics & SEO Applications	1.5
BUS 170	Principles of Small Business Management	3.0
Select 2 of the following elective courses:		*2.5-7.0*
BA 163	Adobe Acrobat	3.0
BA 166	Adobe Illustrator	3.0
BA 107	AI Strategies for Business	2.0
BA 181	Mobile & AI Apps for Business	2.0
BA 158	Introduction to Drones	1.5
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 16.5-21.0

Digital Publishing: Certificate of Achievement
Program Code: SAC.BADP.CA
Program Control Number: 21755

Professional training in digital publishing and design technologies used to produce business, marketing, and multimedia projects for print, web, and social media. Develop hands-on skills in Adobe Creative Cloud applications including Photoshop, Illustrator, InDesign, Dreamweaver, and Acrobat to design and publish high-quality content that includes graphics, page layouts, and multimedia elements using current business and industry standards. Learn typography, color, workflow integration, and project organization while exploring AI tools such as Adobe Firefly and Adobe Express to enhance creativity, graphic production, and overall productivity.

This program includes preparation for Adobe Certified Professional (ACP) exams in Photoshop, Illustrator, InDesign, Dreamweaver, Acrobat, and related applications to earn multiple industry-recognized certifications that validate technical skills and increase career opportunities. It provides comprehensive training for careers in digital publishing, digital design, and digital marketing. This program provides a clear pathway to the Digital Publishing A.A. Degree, in addition to the Adobe Applications for Business, Adobe Web Projects for Business, Digital Design for Business, and Drone Technology certificate and degree programs.

Learning Outcome(s):

1. Design and produce professional publishing and marketing materials using Adobe Creative Cloud applications.
2. Apply design principles and technical standards for print, web, and multimedia projects.
3. Integrate typography, graphics, and page layout to meet business and industry standards.
4. Use AI-powered Adobe tools such as Firefly and Express to enhance creativity, workflow, and design outcomes.
5. Prepare for Adobe Certified Professional (ACP) exams in Photoshop, Illustrator, InDesign, Dreamweaver, and Acrobat.

Required courses:		*15.0*
BA 163	Adobe Acrobat	3.0
BA 164	Adobe Photoshop	3.0
BA 166	Adobe Illustrator	3.0
BA 170	Adobe InDesign – Page Layout	3.0
BA 169	Adobe Dreamweaver – Web Design, SEO	3.0
Select 2 of the following elective courses:		*2.5-7.0*
BA 153	LinkedIn & Social Media Applications	1.5
BA 154	Google Analytics & SEO Applications	1.5
BA 171	Adobe Premiere Pro – Video Editing	3.0
BA 172	Adobe After Effects	3.0
BA 173	Adobe Animate	3.0
BA 165	Adobe Express – Generative AI Design	3.0
BA 168	Adobe Firefly – Generative AI Images	2.0
BA 160	Microsoft Designer – AI Design	2.0
BA 155	WordPress	2.0
BA 158	Introduction to Drones	1.5
BA 101	Work Experience - Business Applications & Technology	1.0-4.0

Total: 17.5-22.0

Drone Technology: Certificate of Achievement
Program Code: SAC.BADRT.CA
Program Control Number: 40490

Build skills in flying drones for commercial and recreational purposes with an emphasis on safe and legal flight practices. Learn techniques in aerial photography, video recording, live streaming for social media, and basic mapping applications. Topics include FAA regulations, drone registration, preflight procedures, and problem-solving flight situations. Explore career opportunities requiring drone skills in public safety, construction, engineering, inspections, real estate, marketing, media, and delivery.

Understand how AI is integrated into drone applications such as emergency response, construction, and data analysis, and gain the option to expand skills in drone mapping and cloud-based GIS using ArcGIS Online. Learn how to professionally capture and edit aerial photos and videos using Adobe Creative Cloud applications such as Photoshop, Premiere Pro, and After Effects.

This program includes preparation for the FAA TRUST (The Recreational UAS Safety Test) completion certificate, the FAA Part 107 Commercial Remote Pilot certification, and Adobe Certified Professional (ACP) exams in Photoshop, Premiere Pro, and After Effects. It provides a clear pathway to the Drone Technology A.S. Degree, as well as the Digital Publishing, Adobe Applications for Business, and Digital Design for Business certificate and degree programs.

Learning Outcome(s):

1. Fly drones safely and legally for commercial and recreational purposes following FAA regulations.
2. Capture and edit professional aerial photos and videos using Adobe Photoshop, Premiere Pro, and After Effects.
3. Apply AI tools and creative techniques to enhance aerial imagery, mapping, and digital media projects.
4. Demonstrate knowledge of drone registration, preflight procedures, and FAA Part 107 operational standards.
5. Identify how drones are used across industries such as construction, real estate, public safety, marketing, and inspections.
6. Prepare for the FAA TRUST (The Recreational UAS Safety Test), FAA Part 107 Remote Pilot certification, and Adobe Certified Professional (ACP) exams.

Required courses:		*13.5*
BA 158	Introduction to Drones	1.5
BA 159	Drones for Mapping	2.0
DM 170	Drone Pilot License Test Prep	0.5
BA 161	Drones & The Law	0.5
BA 164	Adobe Photoshop	3.0
BA 171	Adobe Premiere Pro – Video Editing	3.0
BA 172	Adobe After Effects	3.0
Select 2 of the following elective courses:		*2.5-6.0*
BA 162	Cloud GIS with ArcGIS Online	2.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 153	LinkedIn & Social Media Applications	1.5
BA 101	Work Experience - Business Applications & Technology	1.0-4.0

Total: 16.0-19.5

Microsoft Office Professional: Certificate of Achievement
Program Code: SAC.BAMSO.CA
Program Control Number: 21752

Professional Microsoft Office training in Microsoft 365 applications used to create business documents, spreadsheets, presentations, and communications that meet current workplace standards. Develop hands-on skills using Microsoft Word, Excel, PowerPoint, Outlook, and Teams, along with supporting tools such as OneDrive, OneNote, and Adobe Acrobat for file management and document collaboration. Learn to integrate multiple Microsoft applications for complete business projects and apply AI tools such as Microsoft Copilot and ChatGPT to enhance efficiency, accuracy, and creativity in business communication.

This program includes preparation for multiple Microsoft Office Specialist (MOS) certification exams in Word, Excel, PowerPoint, and Outlook, as well as the Adobe Certified Professional (ACP) exam in Adobe Acrobat for advanced PDF and document management skills. Earn industry-recognized certifications that validate technical proficiency and expand career opportunities. This certificate provides a clear pathway to the Microsoft Office Professional A.A. Degree, as well as the Business Applications and Technology, Computer Fundamentals for Business, Office Management, and Digital Publishing certificate and degree programs.

Learning Outcome(s):

1. Create, edit, and manage professional documents, spreadsheets, presentations, and communications using Microsoft Office applications.
2. Integrate multiple Microsoft 365 applications to complete collaborative business projects.
3. Use AI tools such as Microsoft Copilot and ChatGPT to improve productivity and communication in professional settings.
4. Apply best practices for file management, cloud collaboration, and document sharing using OneDrive, OneNote, Teams, and Adobe Acrobat.
5. Prepare for Microsoft Office Specialist (MOS) and Adobe Certified Professional (ACP) certification exams to demonstrate technical proficiency and readiness for employment in business and administrative careers.

Required courses:		*17.0*
BA 146	Computer Fundamentals	1.5
BA 147	Microsoft Windows, OneDrive & OneNote	1.5
BA 110	Computer Keyboarding Skills	0.5
BA 115	Computer Keyboarding Speed and Accuracy Development	0.5
BA 125	Microsoft Word	2.0
BA 190	Microsoft PowerPoint	2.0
BA 126	Microsoft Outlook	2.0
BA 127	Microsoft Teams	2.0
BA 188	Microsoft Excel	2.0
BA 163	Adobe Acrobat	3.0
		Total: 17.0

Office Management: Certificate of Achievement
Program Code: SAC.BAOM.CA
Program Control Number: 40937

Professional training for administrative professionals seeking employment or advancement in today's digital business environment. Develop skills in office management, business communication, leadership, and organization using current business standards and technologies. Learn to plan and manage meetings, create professional documents, and apply Microsoft 365 applications such as Word, Excel, PowerPoint, Outlook, and Teams for collaboration and productivity. Strengthen business writing, time management, customer service, and problem-solving skills while applying AI tools such as Microsoft Copilot and ChatGPT to streamline office tasks, correspondence, and reporting.

This program includes preparation for multiple Microsoft Office Specialist (MOS) certification exams in Word, Excel, PowerPoint, and Outlook, earning industry-recognized credentials that demonstrate technical proficiency and strengthen employability. It provides a clear pathway to the Microsoft Office Professional A.A. Degree, as well as the Business Applications and Technology, Computer Fundamentals for Business, and Digital Publishing certificate and degree programs.

Learning Outcome(s):

1. Demonstrate effective communication, professionalism, and ethical behavior in business office environments.
2. Apply organizational and leadership skills to plan, manage, and prioritize administrative tasks and projects.
3. Create and manage business documents, spreadsheets, and presentations using Microsoft Office applications.
4. Use AI tools such as Microsoft Copilot and ChatGPT to improve efficiency and accuracy in office communication and workflow.
5. Prepare for Microsoft Office Specialist (MOS) certification exams to validate proficiency in Word, Excel, PowerPoint, and Outlook.

Required courses:		*16.0-19.0*
BA 100	Business Writing Skills	3.0
BA 102	Professional Skills & Career Readiness	3.0
BA 103	Business Mathematics	3.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
	–or–	
BA 125	Microsoft Word	2.0
	–and–	
BA 190	Microsoft PowerPoint	2.0
	–and–	
BA 188	Microsoft Excel	2.0
BA 126	Microsoft Outlook	2.0
BA 127	Microsoft Teams	2.0
		Total: 16.0-19.0

Remote Technology for Virtual Professionals: Certificate of Achievement

Program Code: SAC.BARTV.CA

Program Control Number: 41688

Professional training in digital workplace technologies for today's remote and hybrid professionals. Develop hands-on skills using Microsoft 365, Google Workspace, Adobe Acrobat, Outlook, OneDrive, and Teams to create, manage, and share business documents in cloud-based environments. Learn to organize projects, lead virtual meetings, and apply AI tools within business applications to enhance communication, productivity, and workflow efficiency. Gain practical experience in digital collaboration, file management, and professional online communication used across modern organizations.

This program includes preparation for Microsoft Office Specialist (MOS) certifications in Word, Excel, PowerPoint, and Outlook, and for the Adobe Certified Professional (ACP) certification in Acrobat to validate advanced document management skills. It provides essential technology and communication competencies for professionals working in remote, hybrid, or cross-functional team environments across industries. This program provides a clear pathway to the Business Applications and Technology, Microsoft Office Professional, and Digital Design for Business certificate and degree programs.

Learning Outcome(s):

1. Use remote communication and collaboration tools to manage and share business projects effectively.
2. Apply professional communication techniques to support clients, teams, and managers in remote or hybrid environments.
3. Demonstrate proficiency in Microsoft 365, Google Workspace, and Adobe Acrobat for document creation, management, and virtual collaboration.
4. Use AI-powered features within business applications to enhance productivity, organization, and workflow efficiency.
5. Prepare for Microsoft Office Specialist (MOS) and Adobe Certified Professional (ACP) certifications in Word, Excel, PowerPoint, Outlook, and Acrobat.

Required Courses:		*15.5*
BA 147	Microsoft Windows, OneDrive & OneNote	1.5
BA 182	Google Apps & Google Drive	2.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 126	Microsoft Outlook	2.0
BA 163	Adobe Acrobat	3.0
BA 127	Microsoft Teams	2.0
BA 181	Mobile & AI Apps for Business	2.0
Select 1 of the following elective courses:		*1.0-4.0*
BA 154	Google Analytics & SEO Applications	1.5
BUS 170	Principles of Small Business Management	3.0
BA 105	Introduction to AI for Business	3.0
BA 106	ChatGPT & Generative AI Applications	2.0
BA 107	AI Strategies for Business	2.0
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 16.5-19.5

Spanish / English Interpretation and Translation: Certificate of Achievement

Program Code: SAC.BASE.CA

Program Control Number: 40485

Develop professional Spanish and English bilingual skills for a career as an interpreter or translator. Learn how to provide interpreting and translating services for business, medical, legal, government, and education industries. Practice written and verbal translation techniques, apply industry-specific terminology, and master the three methods of interpretation: Consecutive, Simultaneous, and Sight Translation. Strengthen communication skills, cultural competence, and ethical decision-making while understanding the interpreter's professional role and responsibilities.

Explore the use of AI tools in interpreting and translating to improve accuracy, efficiency, and workflow in both in-person and remote environments. Coursework emphasizes professional standards, technology integration, and cross-cultural communication required for bilingual careers. This certificate provides a clear pathway to the Spanish / English Interpretation and Translation A.S. Degree.

Fluency in both Spanish and English (oral and written) is required and confirmed by the instructor through the first assignment.

Learning Outcome(s):

1. Identify interpreter and translator career opportunities and professional certification requirements.
2. Apply correct Spanish and English grammar and terminology for interpreting and translation in business, medical, education, legal, and government settings.
3. Demonstrate cultural awareness, ethics, and professional conduct in bilingual communication.
4. Use AI and digital translation technologies to enhance workflow accuracy and remote interpreting services.

Required courses:		*14.0*
BA 130	Introduction to Spanish Bilingual Interpreting	3.0
BA 131	Business Interpretation and Translation - Spanish / English	3.0
BA 132	Medical Interpretation and Translation - Spanish / English	3.0
BA 133	Legal Interpretation and Translation - Spanish / English	3.0
	–or–	
LAW 133	Legal Interpretation and Translation - Spanish / English	3.0
BA 149	Technology for Interpreters & Translators	2.0
Select 1 of the following courses to strengthen your language skills:		*3.0-5.0*
ENGL C1000	Academic Reading and Writing	4.0
ENGL C1000H	Academic Reading and Writing-Honors	4.0
SPAN 101	Elementary Spanish I	5.0
SPAN 101H	Honors Elementary Spanish I	5.0
SPAN 195A	Advanced Conversational Spanish	3.0
BA 100	Business Writing Skills	3.0
Select 1 of the following elective courses:		*1.0-4.0*
MA 051A	Beginning Medical Terminology	3.0
PARA 100	Law and Society	3.0
LAW 100	Law and Society	3.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 163	Adobe Acrobat	3.0
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 18.0-23.0

Vietnamese / English Interpretation and Translation: Certificate of Achievement

Program Code: SAC.BAVE.CA

Program Control Number: 40726

Develop professional Vietnamese and English bilingual skills for a career as an interpreter or translator. Learn how to provide interpreting and translating services for business, medical, legal, government, and education industries. Practice written and oral translation techniques, apply industry-specific terminology, and master the three methods of interpretation: Consecutive, Simultaneous, and Sight Translation. Strengthen communication skills, cultural competence, and ethical decision-making while understanding the interpreter's professional role and responsibilities.

Explore the use of AI tools in interpreting and translating to improve accuracy, efficiency, and workflow in both in-person and remote environments. Coursework emphasizes professional standards, technology integration, and cross-cultural communication required for bilingual careers. This certificate provides a clear pathway to the Vietnamese / English Interpretation and Translation A.S. Degree.

Fluency in both Vietnamese and English (oral and written) is required and confirmed by the instructor through the first assignment.

Learning Outcome(s):

1. Identify interpreter and translator career opportunities and professional certification requirements.
2. Apply correct Vietnamese and English grammar and terminology for interpreting and translation in business, medical, education, legal, and government settings.
3. Demonstrate cultural awareness, ethics, and professional conduct in bilingual communication.
4. Use AI and digital translation technologies to enhance workflow accuracy and remote interpreting services.
5. Deliver professional bilingual interpretation and translation services that meet current industry standards.

Required courses:		*14.0*
BA 140	Introduction to Vietnamese Bilingual Interpreting	3.0
BA 141	Business Interpretation and Translation - Vietnamese / English	3.0
BA 142	Medical Interpretation and Translation - Vietnamese / English	3.0
BA 143	Legal Interpretation and Translation - Vietnamese / English	3.0
	–or–	
LAW 143	Legal Interpretation and Translation Vietnamese/English	3.0
BA 149	Technology for Interpreters & Translators	2.0
Select 1 of the following courses to strengthen your language skills:		*3.0-5.0*
ENGL C1000	Academic Reading and Writing	4.0
ENGL C1000H	Academic Reading and Writing - Honors	4.0
VIET 101	Elementary Vietnamese I	5.0
VIET 102	Elementary Vietnamese II	5.0
BA 100	Business Writing Skills	3.0
Select 1 of the following elective courses:		*1.0-4.0*
MA 051A	Beginning Medical Terminology	3.0
PARA 100	Law and Society	3.0
LAW 100	Law and Society	3.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
BA 163	Adobe Acrobat	3.0
BA 101	Work Experience - Business Applications & Technology	1.0-4.0
		Total: 18.0-23.0

CALIFORNIA GENERAL EDUCATION TRANSFER CURRICULUM

California General Education Transfer Curriculum (Cal-GETC): Certificate of Achievement

Program Code: SAC.CGETC.CA

Program Control Number: 44846

The California General Education Transfer Curriculum (Cal-GETC) is a set of courses designed to fulfill lower-division general education requirements for California State University (CSU) and University of California (UC) campuses, as well as lead to a certificate of achievement at Santa Ana College.

To acquire the Certificate of Achievement in Cal-IGETC, it is necessary to complete the California General Education Transfer Curriculum requirements listed in this catalog with a grade of "C" or better. This pattern requires a minimum of 34 semester units. Courses must have been approved for the Cal-IGETC area during the term in which the course was taken.

Note: For most students, it is strongly recommended to complete Cal-GETC prior to transfer. Completion of Cal-GETC is not an admission requirement or admission guarantee for transfer to the CSU or UC, nor is it the only way to fulfill the lower-division, general education requirements for students at the CSU or UC. Please consult with a counselor for details on completing all transfer admission requirements or using course work from other institutions.

Learning Outcome(s):

1. Students will develop an understanding of the information available, and the perspectives and approaches of the physical, biological, social and behavioral sciences.
2. Students will critically analyze and solve problems using the appropriate technique for the issue at hand, including appropriate use of logic, mathematics, multi-disciplinary, and cultural considerations where applicable.
3. Students will communicate effectively, both verbally and in writing.

CHEMISTRY

Chemistry: A.S.-T Degree for Transfer

Program Code: SAC.CHEM.AST

Program Control Number: 35021

The Associate in Science in Chemistry for Transfer (A.S.-T in Chemistry) prepares students to transfer into the CSU system leading to a Baccalaureate degree in Chemistry. Students with this degree also have a foundation in science to pursue other science-related fields or engineering. Please consult a counselor regarding specific course requirements for your transfer institution. Successful completion of the A.S.-T in Chemistry degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the A.S.-T in Chemistry degree, students will gain a foundation in general and organic chemistry which is necessary in many fields of science and engineering.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will develop proficiency and knowledge of chemistry concepts, laboratory techniques and experimental data collection/analysis.

Major courses		*36.0*
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
CHEM 229	General Chemistry and Qualitative Analysis	5.0
CHEM 249	Organic Chemistry I	5.0
CHEM 259	Organic Chemistry II	5.0
MATH C2210	Calculus I Early Transcendentals	4.0
	–or–	
MATH 180H	Honors Single Variable Calculus I	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
PHYS 217	Engineering Physics I	4.0
PHYS 227	Engineering Physics II	4.0
		Total: 36.0

Chemistry: A.S. Degree

Program Code: SAC.CHEM.AS

Program Control Number: 04245

The associate degree curriculum in chemistry provides basic courses for a wide variety of occupations or prepares the student to enter a curriculum in a four-year institution leading to a baccalaureate degree. The major fields of chemistry are inorganic and organic chemistry, biochemistry, and chemical engineering. These fields provide career opportunities in industry, research, and teaching, and also entry into graduate or professional programs such as medicine, pharmacy and other related health fields. Please see a counselor for specific course requirements for your transfer university.

Learning Outcome(s):

1. Students will develop proficiency and knowledge of chemistry concepts, laboratory techniques and experimental data collection/analysis.

Course		*24.0*
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
CHEM 229	General Chemistry and Qualitative Analysis	5.0
CHEM 249	Organic Chemistry I	5.0
CHEM 259	Organic Chemistry II	5.0
MATH C2210	Calculus I Early Transcendentals	4.0
		Total: 24.0

CHILD DEVELOPMENT

Early Childhood Education: A.S.-T Degree for Transfer

Program Code: SAC.ECE.AST

Program Control Number: 32063

The Associate of Science in Early Childhood Education for Transfer (AS-T) prepares students to move into a curriculum at a four year institution leading to a baccalaureate degree in Child Development, Human Development, Early Childhood Education or Child and Adolescent Studies. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AS-T degree also provides guaranteed admission with junior status to the CSU system although does not guarantee acceptance to a particular campus. Upon completion of the AS-T in Early Childhood Education, students will have general understanding of the main developmental theories as they pertain to the development, care, and education of young children. Additionally, students will have the capacity to evaluate and plan curriculum and environments for children based on observation of their physical, cognitive, emotional, social and creative characteristics. Some potential careers after completing the Early Childhood Education for Transfer degree include: infant/toddler teacher, preschool teacher, early childhood home based educator, after school teacher, and paraprofessional educator.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis..

Learning Outcome(s):

1. Demonstrate a knowledge base of early childhood and development of young children 3-5 years old.
2. Apply the knowledge base of theory to practice through thoughtful reflections on classroom observations.
3. Evaluate main philosophical and sociological ideas and trends that have influenced education as well as be able to analyze their application and importance for teaching today.

Required Core (25 units)		*25.0*
Child Growth and Development		*3.0*
CDEV C1000	Child Growth and Development	3.0
	–or–	
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
Child, Family, and Community		*3.0*
CDEV 110	Child, Family, and Community (DS2)	3.0
	–or–	
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
Observation and Assessment for Early Learning and Development		*3.0*
CDEV 108	Observation and Assessment for Early Learning and Development (DS3)	3.0
	–or–	
APCD 108	Apprenticeship Observation and Assessment for Early Learning and Development	3.0
Principles and Practices of Teaching Young Children		*3.0*
CDEV 111A	Principles and Practices of Teaching Young Children	3.0
Introduction to Curriculum for Young Children		*3.0*
CDEV 111B	Introduction to Curriculum for Young Children	3.0
	–or–	
APCD 111B	Apprenticeship Introduction to Curriculum for Young Children	3.0
Health, Safety, and Nutrition for Children		*3.0*
CDEV 112	Health, Safety, and Nutrition for Children	3.0
	–or–	
APCD 112	Apprenticeship Health, Safety and Nutrition for Young Children	3.0
Teaching in a Diverse Society		*3.0*
CDEV 221	Teaching in a Diverse Society	3.0
	–or–	
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
Practicum - Student Teaching Field Experience		*4.0*
CDEV 296	Practicum - Student Teaching Field Experience	4.0
	–or–	
APCD 296	Apprenticeship Practicum - Student Teaching Field Experience	4.0
		Total: 25.0

Child and Adolescent Development: A.A.-T Degree for Transfer

Program Code: SAC.CDCAD.AAT

Program Control Number: 45272

The Associate in Arts in Child Development and Adolescent Development for Transfer (AA-T) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in Child Development, Human Development, or Child and Adolescent Studies. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AS-T degree also provides guaranteed admission with junior status to the CSU system although does not guarantee admission to a specific campus or major. The focus of the Child and Adolescent Development degree is to give students planning to work with children, adults, and their families, who may not be interested in a curricular or classroom focus, an opportunity to transfer and pursue another specialty within child and adolescent development. Students will become equipped with valuable skills in communication and critical thinking. They also build knowledge understanding human behavior making it versatile for careers focused on supporting and improving children's and adolescents' lives outside of the classroom. This may include careers in child life, counseling, education, home visitation programs, human services, mental health, recreation, school psychology, social work, or related fields.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C" or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Demonstrate an understanding of the perspectives, theories, research methods, and core concepts of child development as an area of scientific inquiry.
2. Analyze biological, psychological and environmental influences used to study child and adolescent development.
3. Evaluate different perspectives that affect the growth and socialization experiences of children and adolescents.

Required Courses		*19.0-19.5*
Child Development		*3.0*
CDEV C1000	Child Growth and Development	3.0
Psychology		*3.0*
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology - Honors	3.0
Lifespan Psychology		*3.0*
PSYC 160	Introduction to Lifespan Psychology	3.0
Child, Family, and Community		*3.0*
CDEV 110	Child, Family, and Community (DS2)	3.0
Statistics		*4.0-4.5*
PSYC 210	Statistics for the Behavioral Sciences	4.0
	–or–	
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
Child Development Focus		*3.0*
CDEV 112	Health, Safety, and Nutrition for Children	3.0
	–or–	
CDEV 221	Teaching in a Diverse Society	3.0
		Total: 19.0-19.5

Child Development - Emphasis in Early Childhood and Elementary Teacher Preparation (Pre-Professional): A.A. Degree

Program Code: SAC.CDEPT.AA

Program Control Number: 08743

Former Title: Child Development - Emphasis in Preschool Age Care and Development

The Associate in Arts in Child Development - Emphasis in Early Childhood and Elementary Teacher Preparation (Pre-Professional) prepares students for transfer to a four-year university to obtain a bachelor's degree and into a PK-3 Early Childhood Education (ECE) Specialist Instruction Credential program and/or a Multiple Subject Teaching Credential program, while

providing students with knowledge about the comprehensive development of early childhood and elementary school age children. Students will focus on understanding developmentally appropriate practice, effective learning strategies, and creating and implementing a high-quality classroom environment for children. The practicum component of the program will support the students as they transfer their learning to their work with young children. The courses are part of the curriculum that can be started at the community college and completed at the university. The curriculum is designed for students who seek the pre-professional subject matter preparation for early childhood and elementary school teaching consistent with the standards established by the California Commission on Teacher Credentialing. Additionally, the degree curriculum may serve as preparation for paraprofessional positions in the PK-12 classroom by satisfying unit requirements established by law.

Learning Outcome(s):

1. Demonstrate knowledge of early childhood curriculum, program practices, and the development of young children.

Core Classes		*15.0*
		3.0
CDEV C1000	Child Growth and Development	3.0
	–or–	
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
		3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
	–or–	
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
		3.0
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
APCD 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
3.0		
CDEV 221	Teaching in a Diverse Society	3.0
	–or–	
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
		3.0
CDEV 200	Introduction to Technology in Early Childhood Education	3.0
	–or–	
EDUC 204	Proficiency in Educational Technologies for Teachers	3.0
	–or–	
APED 204	Proficiency in Educational Technologies for Teachers	3.0
Emphasis Courses		*33.0*
		3.0
EDUC 201	Introduction to Elementary Classroom Teaching	3.0
	–or–	
APED 201	Introduction to Elementary Classroom Teaching	3.0
		3.0
EDUC 120A	Development of the School-Age Child	3.0
	–or–	
CDEV 120A	Development of the School-Age Child (DS5)	3.0
		1.0
EDUC 114	Tutoring Reading in Elementary Schools	1.0
	–or–	
APED 114	Tutoring Reading in Elementary Schools	1.0
		4.0
BIOL 115	Concepts in Biology for Educators	4.0
	–or–	
CHEM 115	Concepts in Physical Sciences for Educators	4.0
	–or–	
ERTH 115	Earth Science for Educators	4.0
	–or–	
PSC 115	Concepts in Physical Sciences for Educators	4.0
		3.0
CDEV 108	Observation and Assessment for Early Learning and Development (DS3)	3.0
	–or–	
APCD 108	Apprenticeship Observation and Assessment for Early Learning and Development	3.0
CDEV 111A	Principles and Practices of Teaching Young Children	3.0
		3.0
CDEV 111B	Introduction to Curriculum for Young Children	3.0
	–or–	
APCD 111B	Apprenticeship Introduction to Curriculum for Young Children	3.0
CDEV 231	Developing Language and Literacy in Young Children	3.0
CDEV 297	Analyzing and Applying Teacher Strategies in the Classroom	3.0
		4.0
CDEV 296	Practicum - Student Teaching Field Experience	4.0
	–or–	
APCD 296	Apprenticeship Practicum - Student Teaching Field Experience	4.0
ENGL 270	Children's Literature	3.0
		Total: 48.0

Child Development - Emphasis in Early Childhood Education Teacher Preparation: A.A. Degree

Program Code: SAC.CDEET.AA

Program Control Number: 04235

Former Title: Child Development - Emphasis in Infant/Toddler Care and Development

The Associate in Arts in Child Development - Emphasis in Early Childhood Education Teacher Preparation is for students interested in teaching at the Early Childhood Education level (infants, toddlers and preschool-age children). Students will engage in coursework as well as fieldwork and clinical practice at a Rancho Santiago Community College Laboratory School that will prepare them to teach young children. Students will focus on understanding developmentally appropriate practice, effective learning strategies, and creating and implementing a high-quality classroom environment for children. The practicum component of the program will support the students as they transfer their learning to their work with young children. Upon completion of this program, students are eligible to apply for the Child Development Teacher Permit, the early childhood education credential issued by the California Commission on Teacher Credentialing which is required to teach in Title 5 programs. This includes federally funded programs (Head Start) as well as state-funded programs (school districts). The curriculum is designed for students who seek subject matter preparation for early childhood education teaching consistent with the standards established by the California Commission on Teacher Credentialing.

This program also prepares students for transfer to a four-year university to obtain a bachelor's degree and pursue a PK-3 Early Childhood Education (ECE) Specialist Instruction Credential program and/or an Early Childhood Special Education Specialist Instruction Credential program, while providing students with knowledge about the comprehensive development of infants, toddlers and preschool-age children. The courses are part of the curriculum that can be started at the community college and completed at the university. Additionally, the degree electives count towards additional certificates offered by the Child Development and Education Studies department.

Learning Outcome(s):

1. Demonstrate knowledge of early childhood curriculum, program practices, and the development of young children.

Core Classes		*15.0*
		3.0
CDEV C1000	Child Growth and Development	3.0
	–or–	
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
	–or–	
PSYC 157	Introduction to Child Psychology	3.0
		3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
	–or–	
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
		3.0
CDEV 221	Teaching in a Diverse Society	3.0
	–or–	
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
		3.0
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
APCD 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
		3.0
CDEV 200	Introduction to Technology in Early Childhood Education	3.0
	–or–	
EDUC 204	Proficiency in Educational Technologies for Teachers	3.0
	–or–	
APED 204	Proficiency in Educational Technologies for Teachers	3.0
Emphasis Courses		*19.0*
		3.0
CDEV 108	Observation and Assessment for Early Learning and Development (DS3)	3.0
	–or–	
APCD 108	Apprenticeship Observation and Assessment for Early Learning and Development	3.0
CDEV 111A	Principles and Practices of Teaching Young Children	3.0
		3.0
CDEV 111B	Introduction to Curriculum for Young Children	3.0
	–or–	
APCD 111B	Apprenticeship Introduction to Curriculum for Young Children	3.0
		3.0
CDEV 116A	Infant/Toddler Growth and Development (DS4)	3.0
	–or–	
APCD 116A	Infant/Toddler Growth and Development	3.0
CDEV 250	Adult Supervision and Mentoring in Early Care and Education	3.0
		4.0
CDEV 296	Practicum - Student Teaching Field Experience	4.0
	–or–	
APCD 296	Apprenticeship Practicum - Student Teaching Field Experience	4.0
Electives - Choose 6 Units		*6.0*
		6.0
APCD 112	Apprenticeship Health, Safety and Nutrition for Young Children	3.0
CDEV 112	Health, Safety, and Nutrition for Children	3.0
CDEV 116B	Infant and Toddler Care and Curriculum	3.0
CDEV 206	Curriculum and Intervention Strategies for Children with Disabilities or Delays	3.0
CDEV 207	Supporting and Empowering Families of Children with Special Needs	3.0
CDEV 210	Creative Music Experiences for Young Children	3.0
CDEV 214	Creative Art Experiences for Children	3.0
CDEV 215	Administration I: Programs in Early Childhood Education (DS6)	3.0
CDEV 216	Administration II: Personnel and Leadership in Early Childhood Education (DS6)	3.0
CDEV 220	Understanding Child Abuse and Maltreatment	3.0
CDEV 229	Brain Development and Learning	3.0
CDEV 230	Child Guidance and Classroom Management	2.0
CDEV 231	Developing Language and Literacy in Young Children	3.0
CDEV 232	Math and Science Methods for Early Learning Environments	3.0
CDEV 297	Analyzing and Applying Teacher Strategies in the Classroom	3.0
		Total: 40.0

Child Development - Emphasis in Expanded Learning and Recreation: A.A. Degree

Program Code: SAC.CDELR.AA

Program Control Number: 04250

Former Title: Child Development - Emphasis in School-Age Care and Recreation

The Associate in Arts in Child Development - Emphasis in Expanded Learning and Recreation is designed to prepare students to serve as instructional aides/paraprofessional staff members in an elementary school setting and/or lead staff in an expanded learning before/after school program. Students are offered knowledge about the development of the school age child and the role of the adult in helping to integrate skills and aid classroom learning.

Learning Outcome(s):

1. Analyze and apply relevant theories, research, and evidence-based practices in expanded learning, recreation, and youth services to support the academic, social, and emotional growth of participants.
2. Develop effective leadership, communication, and collaboration skills to engage families, schools, and community partners in creating inclusive and responsive learning environments beyond the traditional classroom.
3. Design, implement, and assess developmentally appropriate expanded learning and recreation programs that promote positive youth development, equity, and lifelong learning in diverse community settings.
4. Demonstrate knowledge of early childhood curriculum, program practices, and the development of young children.

Child Development Core Courses		*15.0*
		3.0
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
	–or–	
CDEV C1000	Child Growth and Development	3.0
		3.0
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
	–or–	
CDEV 110	Child, Family, and Community (DS2)	3.0
		3.0
APCD 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
		3.0
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
	–or–	
CDEV 221	Teaching in a Diverse Society	3.0
		3.0
APED 204	Proficiency in Educational Technologies for Teachers	3.0
	–or–	
CDEV 200	Introduction to Technology in Early Childhood Education	3.0
	–or–	
EDUC 204	Proficiency in Educational Technologies for Teachers	3.0
Expanded Learning and Recreation Emphasis Courses		*16.0*
EDUC 105	Exploration in the Field of Education	3.0
		1.0
APED 114	Tutoring Reading in Elementary Schools	1.0
	–or–	
EDUC 114	Tutoring Reading in Elementary Schools	1.0
		6.0
CDEV 120A	Development of the School-Age Child (DS5)	3.0
EDUC 120A	Development of the School-Age Child	3.0
		3.0
CDEV 120B	School-Age Child Care and Recreation Activities (DS5)	3.0
	–or–	
APED 120B	School-Age Child Care and Recreation Activities	3.0
	–or–	
EDUC 120B	School-Age Child Care and Recreation Activities	3.0
		3.0
APED 201	Introduction to Elementary Classroom Teaching	3.0
	–or–	
EDUC 201	Introduction to Elementary Classroom Teaching	3.0
Electives (Choose up to 12 ECE units)		*12.0*
		12.0
APCD 116A	Infant/Toddler Growth and Development	3.0
CDEV 116A	Infant/Toddler Growth and Development (DS4)	3.0
CDEV 206	Curriculum and Intervention Strategies for Children with Disabilities or Delays	3.0
CDEV 220	Understanding Child Abuse and Maltreatment	3.0
CDEV 229	Brain Development and Learning	3.0
CDEV 230	Child Guidance and Classroom Management	2.0
CDEV 231	Developing Language and Literacy in Young Children	3.0
CDEV 250	Adult Supervision and Mentoring in Early Care and Education	3.0
ERTH 115	Earth Science for Educators	4.0
ENGL 270	Children's Literature	3.0
MATH 204	Mathematical Concepts for Elementary School Teachers	4.0
		Total: 43.0

Child Care Administration and Leadership: Certificate of Achievement

Program Code: SAC.CDCCA.CA

Program Control Number: 41687

Former Title: Early Childcare Administration and Leadership

The Child Care Administration and Leadership Certificate provides educational coursework that will prepare directors, supervisors, and managers for serving children in a variety of child care settings including infant/toddler, preschool, and school age centers. Topics include communication, curriculum, documentation and interpretation along with culturally relevant approaches to teaching and learning focusing on developmentally appropriate, respectful, and supportive relationships with children and families, management and leadership, and technology related to the operation of center-based early childhood education programs. Fieldwork or field-based assignments may be required. Updated immunizations per state regulations may be required.

Learning Outcome(s):

1. Demonstrate knowledge of developmentally appropriate curriculum planning, environments, observation techniques in working with young children in order to implement diversity and equity in quality care for young children in a group setting.
2. Demonstrate basic knowledge of staffing, professional development, budgets, leadership, program planning, communication, marketing and enrollment for child care programs.

Core Courses in Block		*12.0*
CDEV 215	Administration I: Programs in Early Childhood Education (DS6)	3.0
CDEV 216	Administration II: Personnel and Leadership in Early Childhood Education (DS6)	3.0
CDEV 250	Adult Supervision and Mentoring in Early Care and Education	3.0
CDEV 200	Introduction to Technology in Early Childhood Education	3.0
Elective Courses		*6.0*
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
	–or–	
APCD 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
CDEV 220	Understanding Child Abuse and Maltreatment	3.0
	–or–	
CNSL 220	Understanding Child Abuse and Maltreatment	3.0
	–or–	
CDEV 221	Teaching in a Diverse Society	3.0
	–or–	
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
	–or–	
CDEV 229	Brain Development and Learning	3.0
		Total: 18.0

Developmentally Appropriate Discipline & Behavior Guidance for Young Children: Certificate of Achievement

Program Code: SAC.CDADB.CA

Program Control Number: 41698

The Developmentally Appropriate Discipline & Behavior Guidance for Young Children Certificate is designed for educators, teachers, parents, community stakeholders, and caregivers who work with children in a variety of settings. Based on current brain research, child development, and developmentally appropriate practices, this certificate provides a foundation for developmentally appropriate discipline and guidance practices for young children. The certificate curriculum integrates all domains of learning (social, emotional, physical, cultural and cognitive) and aligns to research-based teaching strategies and practices in the discipline and guidance of young children. This certification program has been specifically designed for the adult learner who desires to positively change the lives of children through developmentally appropriate teaching, discipline and guidance practices in the classroom.

Learning Outcome(s):

1. Identify developmentally appropriate practices about neurodiversity, how the brain functions, and how the learning environment can be managed to encourage appropriate classroom behaviors..
2. Apply the principles and tools of brain-based learning strategies to teach new ways of approaching learning while working with groups of young children.

Courses in Block		*11.0*
		3.0
CDEV C1000	Child Growth and Development	3.0
	–or–	
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
	–or–	
PSYC 157	Introduction to Child Psychology	3.0
CDEV 229	Brain Development and Learning	3.0
CDEV 230	Child Guidance and Classroom Management	2.0
CDEV 297	Analyzing and Applying Teacher Strategies in the Classroom	3.0
		Total: 11.0

Early Childhood Associate Teacher: Certificate of Achievement

Program Code: SAC.CDEAT.CA

Program Control Number: 41699

Former Title: Early Childhood Assistant Teacher

Students completing an Early Childhood Associate Teacher certificate are qualified to teach in a private child care and development program licensed under Title 22 of the Department of Social Services. It also counts towards educational requirements for students seeking a Child Development Permit issued by the California Commission of Teaching Credentialing. Students that desire to work in an early childhood setting are required to minimally complete these core classes.

Learning Outcome(s):.

1. Understand and apply principles of child development to support the growth and learning of children from birth to age five across all developmental domains.
2. Demonstrate the ability to create and maintain a safe, healthy, and inclusive learning environment using effective guidance and classroom management strategies.
3. Design and implement developmentally appropriate curriculum and activities that support early learning and reflect cultural responsiveness, individual needs, and state learning foundations.

Courses		*12.0*
		3.0
CDEV C1000	Child Growth and Development	3.0
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
		3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
		3.0
CDEV 116A	Infant/Toddler Growth and Development (DS4)	3.0
APCD 116A	Infant/Toddler Growth and Development	3.0
		3.0
CDEV 108	Observation and Assessment for Early Learning and Development (DS3)	3.0
APCD 108	Apprenticeship Observation and Assessment for Early Learning and Development	3.0
CDEV 111A	Principles and Practices of Teaching Young Children	3.0
CDEV 111B	Introduction to Curriculum for Young Children	3.0
APCD 111B	Apprenticeship Introduction to Curriculum for Young Children	3.0
CDEV 221	Teaching in a Diverse Society	3.0
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
		Total: 12.0

Early Childhood Education Teacher: Certificate of Achievement

Program Code: SAC.CDECE.CA

Program Control Number: 21793

Former Title: Early Childhood Teacher

This Early Childhood Education Teacher Certificate provides students with knowledge about the comprehensive development of young children, birth to 8 years old. Students will focus on understanding developmentally appropriate practice, effective learning strategies, and how to create and implement a high quality classroom for young children. The practicum component of the program will support the students as they transfer their learning to their work with young children.

Learning Outcome(s):

1. Demonstrate skill and mastery of child development themes, theories, curriculum, and assessment strategies by applying knowledge and skills in a simulated/real preschool setting or scenarios.
2. Develop a portfolio of developmentally appropriate curriculum, programming, and assessment strategies for preschoolers in the cognitive, psychosocial, and biosocial domains.

Courses		*31.0*
		3.0
CDEV C1000	Child Growth and Development	3.0
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
PSYC 157	Introduction to Child Psychology	3.0
		3.0
CDEV 108	Observation and Assessment for Early Learning and Development (DS3)	3.0
APCD 108	*Apprenticeship Observation and Assessment for Early Learning and Development*	*3.0*
		3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
CDEV 111A	Principles and Practices of Teaching Young Children	3.0
		3.0
CDEV 111B	Introduction to Curriculum for Young Children	3.0
APCD 111B	Apprenticeship Introduction to Curriculum for Young Children	3.0
		3.0
CDEV 116A	Infant/Toddler Growth and Development (DS4)	3.0
APCD 116A	Infant/Toddler Growth and Development	3.0
		3.0
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
APCD 205	Introduction to Children with Disabilities or Delays	3.0
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
		3.0
CDEV 221	Teaching in a Diverse Society	3.0
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
CDEV 231	Developing Language and Literacy in Young Children	3.0
		4.0
CDEV 296	Practicum - Student Teaching Field Experience	4.0
APCD 296	Apprenticeship Practicum - Student Teaching Field Experience	4.0
		Total: 31.0

Infant and Toddler Education and Development: Certificate of Achievement

Program Code: SAC.CDITE.CA

Program Control Number: 21794

Former Title: Infant/Toddler Teacher

The Infant and Toddler Education and Development Certificate provides students with a specialized focus on the strengths and needs of infants and toddlers. Students will study the comprehensive development of the young children, birth to three years focusing on understanding current brain research and best caregiving practices.

Completion of this certificate meets the Child Development and Education course requirements for the California Child Development Associate Teacher Permit, which is used in federal and state early childhood programs and licensing regulations for private and faith-based programs. Please contact a Child Development Permit advisor for information regarding the general education unit requirements and the work experience requirements.

Learning Outcome(s):

1. Demonstrate skill and mastery of child development theories and proficiency in application in a simulated, real infant/toddler setting or scenario.
2. Develop a portfolio of developmentally appropriate activities, programming, and assessment strategies for infants and toddlers in the cognitive, psychosocial, and biosocial domains.

Courses		*15.0*
		3.0
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
CDEV C1000	Child Growth and Development	3.0
		3.0
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
		3.0
APCD 116A	Infant/Toddler Growth and Development	3.0
CDEV 116A	Infant/Toddler Growth and Development (DS4)	3.0
CDEV 116B	Infant and Toddler Care and Curriculum	3.0
		3.0
APCD 205	Introduction to Children with Disabilities or Delays	3.0
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
		Total: 15.0

STEAM (Science, Technology, Engineering, Arts, Math) Certificate for Early Childhood Educators: Certificate of Achievement

Program Code: SAC.STEAM.CA

Program Control Number: 41701

Former Title: STEAM (Science, Technology, Engineering, Arts, Math) Certificate for Early Childhood Educators

The purpose of the STEAM (Science, Technology, Engineering, Arts, Math) for Early Childhood Educators is to empower teachers to employ a project-based learning approach that crosses all of these disciplines in solving everyday problems. This approach aligns with the California Preschool/Transitional Kindergarten Learning Foundations (PTKLF) and the Common Core Standards and has been shown to engage students and allow them to use both left and right-brained thinking in the same exercise. This certificate provides a strong research-based curricular foundation with immediate practical classroom applications. Additionally, the STEAM certificate can be used towards earning professional growth hours for the child development permit.

Learning Outcome(s):

1. Demonstrate a knowledge basis of STEAM (Science, Technology, Engineering, Art, and Mathematics) within early childhood.
2. Recognize current knowledge, skills, and resources related to STEAM and apply those skills in a classroom setting.

Course		*18.0*
CDEV 200	Introduction to Technology in Early Childhood Education	3.0
CDEV 229	Brain Development and Learning	3.0
CDEV 210	Creative Music Experiences for Young Children	3.0
CDEV 231	Developing Language and Literacy in Young Children	3.0
CDEV 214	Creative Art Experiences for Children	3.0
CDEV 232	Math and Science Methods for Early Learning Environments	3.0
		Total: 18.0

Support for Students with Disabilities or Delays: Certificate of Achievement

Program Code: SAC.CDSSD.CA

Program Control Number: 41703

Former Title: Support for Students with Special Needs

The Support for Students with Disabilities or Delays Certificate is designed to prepare students with knowledge, skills, and resources to address the diverse needs of children and adolescents with disabilities or delays. Students are offered intervention strategies, adaptive curriculum, and tools to both support and empower educators and families in both natural and/or inclusive education settings.

Learning Outcome(s):

1. Demonstrate analysis and knowledge of the personal and team roles and responsibilities of the special education provider in the public school which includes diagnosis and implementation strategies for students with disabilities or delays.

Courses		*9.0*
		3.0
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
	–or–	
APCD 205	Introduction to Children with Disabilities or Delays	3.0
CDEV 206	Curriculum and Intervention Strategies for Children with Disabilities or Delays	3.0
CDEV 207	Supporting and Empowering Families of Children with Special Needs	3.0
		Total: 9.0

Trauma Informed Practices in Education: Certificate of Achievement

Program Code: SAC.CDTIP.CA

Program Control Number: 41700

The Trauma Informed Practices in Education is designed to prepare students to support and promote social-emotional competence in young children. Students acquire knowledge to integrate developmentally appropriate cognitive and social-emotional support strategies and skills to meet children's diverse mental health needs. They are taught culturally responsive behavior and discipline techniques, practical prevention and intervention strategies, and brain-appropriate curriculum. Students will identify mental health community resources to help create and build respectful, reciprocal relationships that support children's mental health and the families they serve.

Learning Outcome(s):

1. Examine the integration of child development theory, research, and best practices in early education and mental health to support children, families, and educators.
2. Analyze the impact of discipline, stress, child abuse, culture, ability, self-concept, and life experiences on brain development and mental health in early childhood.
3. Apply developmentally appropriate cognitive and social-emotional support strategies to promote social and emotional competence in young children within educational settings.

Courses		*14.0*
		3.0
CDEV 220	Understanding Child Abuse and Maltreatment	3.0
	–or–	
CNSL 220	Understanding Child Abuse and Maltreatment	3.0
		3.0
CDEV 221	Teaching in a Diverse Society	3.0
	–or–	
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
CDEV 229	Brain Development and Learning	3.0
CDEV 230	Child Guidance and Classroom Management	2.0
CDEV 297	Analyzing and Applying Teacher Strategies in the Classroom	3.0
		Total: 14.00

CHILD DEVELOPMENT - APPRENTICESHIP

Early Childhood Education Apprenticeship Program: Certificate of Achievement

Program Code: SAC.CDAPP.CA

Program Control Number: 46057

The Early Childhood Education Apprenticeship Program (ECEAP) certification program provides students with knowledge of comprehensive human development during early childhood (birth-age eight years of age). Students will focus on understanding developmentally appropriate practice, effective teaching and learning strategies, their important role as an early childhood educator in a child's overall school readiness and success, and how to create and implement a high quality classroom environment for young children. The required service learning hours of the ECEAP 18-month program will support the students as they apply and transfer their learning in an early childhood classroom with young children and their families. The program is available for students enrolled in the Early Childhood Education Apprenticeship Program (ECEAP).

Learning Outcome(s):

1. Demonstrate skill and mastery of child development themes, theories, curriculum, and assessment strategies by applying knowledge and skills in a simulated/real early childhood setting or scenarios.
2. Develop a portfolio of developmentally appropriate curriculum, programming, and assessment strategies for early childhood students in the cognitive, psychosocial, and biosocial domains.

Courses		*25.0*
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
APCD 108	Apprenticeship Observation and Assessment for Early Learning and Development	3.0
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
APCD 111B	Apprenticeship Introduction to Curriculum for Young Children	3.0
APCD 116A	Infant/Toddler Growth and Development	3.0
APCD 205	Introduction to Children with Disabilities or Delays	3.0
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
APCD 296	Apprenticeship Practicum - Student Teaching Field Experience	4.0
		Total: 25.0

COMMUNICATION STUDIES

Communication Studies 2.0: A.A.-T Degree for Transfer

Program Code: SAC.CMST2.AAT

Program Control Number: 43224

The Associate in Arts Degree in Communication Studies 2.0 for Transfer prepares students to move into a curriculum at a four-year institution, leading to a baccalaureate degree in communication studies. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the Associate in Arts Degree in Communication Studies 2.0 for Transfer also provides guaranteed admission with junior status to the CSU system, although it does not guarantee admission to a specific major or campus. Upon completion of the Associate in Arts Degree in Communication Studies 2.0 for Transfer, students will have a general understanding of the main communication studies theories. Students will have the capacity to write and think in a critically analytical way about issues pertaining to the process of human communication.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C" or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Use messages to generate meanings within and across various contexts.
2. Employ communication theories, perspectives, principles, and concepts.
3. Create messages appropriate to the audience, purpose, and context.
4. Demonstrate the ability to accomplish communicative goals.
5. Apply ethical communication principles and practices.

Required Courses		*`6.0*
COMM C1000	Introduction to Public Speaking	3.0
	–or–	
COMM C1000H	Introduction to Public Speaking - Honors	3.0
COMM C1004	Interpersonal Communication	3.0
	–or–	
COMM C1004H	Interpersonal Communication - Honors	3.0
List A Select three (9 units)		*9.0*
CMST 140	Argumentation and Debate	3.0
CMST 145	Group Dynamics	3.0
CMST 103	Introduction to Intercultural Communication	3.0
	–or–	
CMST 103H	Honors Introduction to Intercultural Communication	3.0
CMST 100	Introduction to Communication Studies	3.0
JAMS 105	Mass Media and Society	3.0
CMST 150	Organizational Communication	3.0

List B (3 units) Select one course below or select any list A course not already used		*3.0-4.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
SOC 100	Introduction to Sociology	3.0
	–or–	
SOC 100H	Honors Introduction to Sociology	3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
	–or–	
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
	–or–	
ENGL C1001	Critical Thinking and Writing	4.0
	–or–	
ENGL C1001H	Critical Thinking and Writing-Honors	4.0
JAMS 121	Reporting and Writing the News	3.0
CMST 151	Voice and Diction for Effective Communication	3.0
CMST 206	Gender Communication	3.0
	–or–	
CMST 206H	Honors Gender Communication	3.0
		Total: 18.0-19.0

Communication Studies: A.A. Degree

Program Code: SAC.CMST.AA

Program Control Number: 04239

The associate degree curriculum in communication studies provides training for communicating and dealing with people. Completion of the associate in arts degree prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree, and then into careers in the field of business, industry, government, or education in such areas as teaching, public speaking, announcing, and public relations.

Learning Outcome(s):

1. Recognize and explain characteristics of competent communication.
2. Construct messages that demonstrate communication competency.

Course		*15.0*
COMM C1004	Interpersonal Communication	3.0
	–or–	
COMM C1004H	Interpersonal Communication - Honors	3.0
COMM C1000	Introduction to Public Speaking	3.0
	–or–	
COMM C1000H	Introduction to Public Speaking - Honors	3.0
CMST 103	Introduction to Intercultural Communication	3.0
	–or–	
CMST 103H	Honors Introduction to Intercultural Communication	3.0
CMST 140	Argumentation and Debate	3.0
CMST 145	Group Dynamics	3.0
One additional elective from the following:		*3.0*
CMST 151	Voice and Diction for Effective Communication	3.0
CMST 152	Oral Interpretation	3.0
CMST 170	Introduction to Phonetics	3.0
CMST 206	Gender Communication	3.0
	–or–	
CMST 206H	Honors Gender Communication	3.0
CMST 150	Organizational Communication	3.0
		Total: 18.0

Communication Studies: Certificate of Achievement

Program Code: SAC.CMST.CA

Program Control Number: 40382

By successfully completing the courses for a Certificate of Achievement in Communication Studies, students will gain breath and depth of communication competence to significantly impact future employment and promotion. Students will build practical and theoretical understanding for future Communication Studies work.

Learning Outcome(s):

1. Gain breath and depth of communication competence to impact future employment and promotion.
2. Build practical and theoretical understanding for future Communication Studies work.

Required Courses		*9.0*
COMM C1000	Introduction to Public Speaking	3.0
	–or–	
COMM C1000H	Introduction to Public Speaking - Honors	3.0
COMM C1004	Interpersonal Communication	3.0
	–or–	
COMM C1004H	Interpersonal Communication - Honors	3.0
CMST 103	Introduction to Intercultural Communication	3.0
	–or–	
CMST 103H	Honors Introduction to Intercultural Communication	3.0
Electives: Select one course:		*3.0*
CMST 140	Argumentation and Debate	3.0
CMST 145	Group Dynamics	3.0
CMST 150	Organizational Communication	3.0
CMST 151	Voice and Diction for Effective Communication	3.0
CMST 152	Oral Interpretation	3.0
CMST 206	Gender Communication	3.0
CMST 206H	Honors Gender Communication	3.0
		Total: 12.0

COMPUTER SCIENCE

Computer Science: A.S.-T Degree for Transfer

Program Code: SAC.CMPR.AST

Program Control Number: 32396

The Associate in Science in Computer Science for Transfer (A.S.-T system. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the Associate in Science in Computer Science for Transfer (A.S.-T Computer Science) also provides guaranteed admission with junior status to the CSU system, although does not guarantee acceptance to a specific campus or major. Upon completion of the A.S.-T in Computer Science, students will be well-versed in the use of standard computer control structures to solve problems and develop algorithms. They will have developed skills in writing programs that utilize functions as a method of program organization and control. Additional areas of emphasis will include objects, object-oriented programming, data structures, and abstract data types. Compute science students will also obtain knowledge of computer architecture and organization. The Computer Science curriculum also requires the student to have significant skills in mathematics and the applications of those skills to real world problem solving.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will know how to use computer science software.

		29
CMPR 121	Programming Concepts	3.0
CMPR 131	Data Structures Concepts	3.0
CMPR 129	Introduction to Computer Organization	4.0
CMPR 140	Discrete Structures for Computer Science	3.0
MATH C2210	Calculus I Early Transcendentals	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
PHYS 217	Engineering Physics I	4.0
PHYS 227	Engineering Physics II	4.0
		Total: 29.0

Computer Information Systems: A.S. Degree

Program Code: SAC.CIS.AS

Program Control Number: 04196

Computer Information Systems (CIS) is a program for students interested in the application of computer hardware, and software to business. CIS courses prepare students for entry-level positions in information technology, networking, web and application development, networking, or database administration. These courses may be used for job advancement, an associate degree or certificate of achievement, or transfer to a four-year institution. CIS courses cover major programming languages (Visual BASIC, C++, Java) as well as software used in business for database management, spreadsheets, and networking.

Students intending to obtain a bachelor’s degree in Computer Information Systems should consult the major requirements for upper division standing listed under the Business Administration major at the school of their choice.

Learning Outcome(s):

1. Describe ethical, professional, and legal challenges that confront computer information systems and information technology.
2. Design, implement, manage and administer secure computer information systems and information technology operations.
3. Evaluate best practices in implementing hardware, software, networking, information technology management and security to enhance business processes and competitive advantages.
4. Develop written documentation and presentations, individually and in collaborative environments, that provide solutions to computer information systems and information technology challenges.

Take ALL of the following courses:		*20.0*
BA 189	Advanced Microsoft Excel	2.0
CMPR 105	Visual BASIC Programming	3.0
CMPR 134	Microsoft Windows Operating System	3.0
CMPR 138	CompTIA Network+ Guide to Networks	3.0
CMPR 167	Microsoft Access	3.0
CMPR 205	Advanced Visual Basic	3.0
CMPR 247	Windows Server Operating System	3.0
Select ONE course from the following:		*3.0*
BUS 150	Introduction to Information Systems and Applications	3.0
	–or–	
CMPR 100	The Computer and Society	3.0
Select a minimum of THREE units from the following:		*3.0-4.0*
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
CMPR 104	Work Experience - IT Cybersecurity and Computing	1.0-4.0
CMPR 112	Java Programming	3.0
CMPR 118	JavaScript Programming	3.0
CMPR 120	Introduction to Programming	3.0
CMPR 121	Programming Concepts	3.0
CMPR 125	IT Help Desk Fundamentals	3.0
CMPR 152	HTML	3.0
CMPR 153	A+ Essentials Hardware	3.0
CMPR 154	A+ Essentials Software	3.0
CMPR 169	Structured Query Language (SQL)	3.0
CMPR 175	CompTIA Security+ Guide to Network Security	3.0
CMPR 248	Microsoft SQL Server	3.0
		Total: 26.0-27.0

Computer Science: A.S. Degree
Program Code: SAC.CMPR.AS
Program Control Number: 04197

The associate degree curriculum in computer science leads to entry-level employment in computer science, engineering and other areas where high aptitude in computer programming is recognized. The program prepares students for careers as engineering aides, scientific computing technicians and junior programmers. The program also prepares students to transfer to a university with a major in Computer Science.

Learning Outcome(s):

1. Students will know how to use computer science software.

Take ALL of the following courses:		*16.0*
CMPR 100	The Computer and Society	3.0
CMPR 120	Introduction to Programming	3.0
CMPR 121	Programming Concepts	3.0
CMPR 129	Introduction to Computer Organization	4.0
CMPR 131	Data Structures Concepts	3.0
Select ONE course from the following:		*3.0*
CMPR 112	Java Programming	3.0
CMPR 205	Advanced Visual Basic	3.0
CMPR 213	C# Programming	3.0
Select an additional SIX units from the following:		*6.0-8.0*
CMPR 112	Java Programming	3.0
CMPR 117	Linux Programming	3.0
CMPR 118	JavaScript Programming	3.0
CMPR 134	Microsoft Windows Operating System	3.0
CMPR 135	Software Deployment Mechanisms	1.5
CMPR 139	Introduction to Cloud Computing	3.0
CMPR 140	Discrete Structures for Computer Science	3.0
CMPR 141	UNIX Operating System	3.0
CMPR 142	Advanced Unix	3.0
CMPR 205	Advanced Visual Basic	3.0
CMPR 213	C# Programming	3.0
CMPR 243	UNIX System Programming	3.0
CMPR 247	Windows Server Operating System	3.0
CMPR 249	Microsoft Internet Information Server (IIS)	3.0
CMPR 248	Microsoft SQL Server	3.0
MATH C2210	Calculus I Early Transcendentals	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
		Total: 25.0-27.0

Data Analytics: A.S. Degree
Program Code: SAC.CMPDA.AS
Program Control Number: 45020

The Associate of Science in Data Analytics program is designed to provide students with a strong foundation in data analysis, statistics, programming, and data visualization. Students will learn how to collect, clean, analyze, and interpret data to support decision-making processes in various industries. The program emphasizes hands-on experience with data analytics tools and technologies, preparing students for entry-level positions in data analysis and related fields or for further study in a bachelor's degree program.

Learning Outcome(s):

1. Demonstrate Data Analysis Proficiency
2. Demonstrate Problem-solving Skills
3. Demonstrate Data Visualization Skills

Required Courses:		*31.0-31.5*
CMPR 112	Java Programming	3.0
CMPR 114	Python Programming	3.0
CMPR 115	Python for Data Analytics	3.0
CMPR 167	Microsoft Access	3.0
CMPR 113	Advanced Java	3.0
CMPR 159	Intro to Machine Learning with Python	3.0
CMPR 168	MS SQL Database Development	3.0
CMPR 169	Structured Query Language (SQL)	3.0
CMPR 247	Windows Server Operating System	3.0
Statistics		*4.0-4.5*
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
		Total: 31.0-31.5

Database Management Systems: A.S. Degree
Program Code: SAC.CMDMS.AS
Program Control Number: 45019

The Associate of Applied Science in Database Management Systems is designed to prepare students for a dynamic career in the field of database administration and management. This comprehensive program combines the theoretical underpinnings of database systems with practical, hands-on experience, ensuring graduates are well-equipped to meet the demands of the modern data-driven world. Through a curriculum that covers database design, SQL, data security, and the latest in database technologies, students will develop the skills necessary to design, implement, and manage sophisticated database systems.

Learning Outcome(s):

1. Understand Database Design and Modeling
2. Demonstrate applications of SQL and Database Operations
3. Understand Database Management and Performance Optimization

Required Courses		*30.0*
CMPR 112	Java Programming	3.0
CMPR 114	Python Programming	3.0
CMPR 167	Microsoft Access	3.0
CMPR 115	Python for Data Analytics	3.0
CMPR 134	Microsoft Windows Operating System	3.0
CMPR 113	Advanced Java	3.0
CMPR 168	MS SQL Database Development	3.0
CMPR 169	Structured Query Language (SQL)	3.0
CMPR 213	C# Programming	3.0
CMPR 247	Windows Server Operating System	3.0
		Total: 30.0

Machine Learning: A.S. Degree
Program Code: SAC.CMPML.AS
Program Control Number: 45021

The Machine Learning program is designed to provide students with a comprehensive understanding of the principles, algorithms, and applications of machine learning. Through a combination of theoretical coursework and practical hands-on projects, students will develop the skills necessary to analyze large datasets, build predictive models, and extract meaningful insights from data. Our program aims to prepare students for careers in fields such as data science, artificial intelligence, and machine learning engineering.

Learning Outcome(s):

1. Understand Machine Learning Concepts
2. Develope Predictive Models
3. Evaluate Model Performance

Required Courses		*30.0*
CMPR 112	Java Programming	3.0
CMPR 114	Python Programming	3.0
CMPR 115	Python for Data Analytics	3.0
CMPR 158	Intro to Artificial Intelligence	3.0
CMPR 113	Advanced Java	3.0
CMPR 168	MS SQL Database Development	3.0
CMPR 159	Intro to Machine Learning with Python	3.0
CMPR 160	Intro to Deep Learning, Neural Networks with Keras and PyTorch	3.0
CMPR 213	C# Programming	3.0
CMPR 247	Windows Server Operating System	3.0
		Total: 30.0

Artificial Intelligence: Certificate of Achievement
Program Code: SAC.CMAI.CA
Program Control Number: 44404

The Certificate of Achievement for Artificial Intelligence is designed for students who have an interest in working with programming using the Python language, Machine, and Deep Learning. The program is tailored to introduce different areas of Artificial Intelligence.

Learning Outcome(s):

1. Demonstrate AI's current and future capabilities and applications.
2. Demonstrate the technical aspects of Artificial Intelligence.
3. Demonstrate writing Machine Learning Algorithms.

Required Courses		*15.0*
CMPR 114	Python Programming	3.0
CMPR 115	Python for Data Analytics	3.0
CMPR 158	Intro to Artificial Intelligence	3.0
CMPR 159	Intro to Machine Learning with Python	3.0
CMPR 169	Structured Query Language (SQL)	3.0
		Total: 15.0

Backend Engineering: Certificate of Achievement
Program Code: SAC.CMBE.CA
Program Control Number: 44403

The Certificate of Achievement for Backend Engineering is designed for students who have an interest in working with programming using the Python and Java languages and using backend server-side scripting with SQL (Structured Query Language), and Oracle. The program is also tailored for working professionals who might want to change careers, such as software developers or database developers.

Learning Outcome(s):

1. Demonstrate programming front-end applications.
2. Demonstrate designing back-end database applications.
3. Demonstrate connecting the front-end to the back-end database software and deploying the project.

Required Courses		*15.0*
CMPR 112	Java Programming	3.0
CMPR 213	C# Programming	3.0
CMPR 114	Python Programming	3.0
CMPR 168	MS SQL Database Development	3.0
CMPR 169	Structured Query Language (SQL)	3.0
		Total: 15.0

Computer Information Systems: Certificate of Achievement

Program Code: SAC.CIS.CA

Program Control Number: 21757

Computer Information Systems (CIS) is a program for students interested in the application of computer hardware, and software to business. CIS courses prepare students for entry-level positions in information technology, networking, web and application development, networking, or database administration. These courses may be used for job advancement, an associate degree or certificate of achievement, or transfer to a four-year institution. CIS courses cover major programming languages (Visual BASIC, C++, Java) as well as software used in business for database management, spreadsheets, and networking.

Students intending to obtain a bachelor's degree in Computer Information Systems should consult the major requirements for upper division standing listed under the Business Administration major at the school of their choice.

Learning Outcome(s):

1. Describe ethical, professional, and legal challenges that confront computer information systems and information technology.
2. Design, implement, manage and administer secure computer information systems and information technology.
3. Evaluate best practices in implementing hardware, software, networking, information technology management and security to enhance business processes and competitive advantages.
4. Develop written documentation and presentations, individually and in collaborative environments, that provide solutions to computer information systems and information technology challenges.

Take ALL of the following courses:		*20.0*
BA 189	Advanced Microsoft Excel	2.0
CMPR 105	Visual BASIC Programming	3.0
CMPR 134	Microsoft Windows Operating System	3.0
CMPR 138	CompTIA Network+ Guide to Networks	3.0
CMPR 167	Microsoft Access	3.0
CMPR 205	Advanced Visual Basic	3.0
CMPR 247	Windows Server Operating System	3.0
Select ONE course from the following:		*3.0*
BUS 150	Introduction to Information Systems and Applications	3.0
	–or–	
CMPR 100	The Computer and Society	3.0
Select a minimum of THREE units from the following:		*3.0*
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
CMPR 104	Work Experience - IT Cybersecurity and Computing	1.0-4.0
CMPR 112	Java Programming	3.0
CMPR 118	JavaScript Programming	3.0
CMPR 120	Introduction to Programming	3.0
CMPR 121	Programming Concepts	3.0
CMPR 125	IT Help Desk Fundamentals	3.0
CMPR 152	HTML	3.0
CMPR 153	A+ Essentials Hardware	3.0
CMPR 154	A+ Essentials Software	3.0
CMPR 169	Structured Query Language (SQL)	3.0
CMPR 175	CompTIA Security+ Guide to Network Security	3.0
CMPR 248	Microsoft SQL Server	3.0
		Total: 26.0

Computer Science: Certificate of Achievement

Program Code: SAC.CMPR.CA

Program Control Number: 21758

The certificate curriculum in computer science leads to entry-level employment in computer science, engineering and other areas where high aptitude in computer programming is recognized. The program prepares students for careers as engineering aides, scientific computing technicians and junior programmers. The program also prepares students to transfer to a university with a major in Computer Science.

Learning Outcome(s):

1. Concepts of programming, text Processing, Inheritance, Exception's I/O
2. Arrays, Advanced Classes, Conditional Statements, Loops and Methods
3. Database Connections to front end applications

Take ALL of the following courses:		*16.0*
CMPR 100	The Computer and Society	3.0
CMPR 120	Introduction to Programming	3.0
CMPR 121	Programming Concepts	3.0
CMPR 129	Introduction to Computer Organization	4.0
CMPR 131	Data Structures Concepts	3.0
Select ONE course from the following:		*3.0*
CMPR 113	Advanced Java	3.0
CMPR 205	Advanced Visual Basic	3.0
CMPR 213	C# Programming	3.0
Select an additional SIX units from the following:		*6.0-8.0*
CMPR 113	Advanced Java	3.0
CMPR 117	Linux Programming	3.0
CMPR 118	JavaScript Programming	3.0
CMPR 134	Microsoft Windows Operating System	3.0
CMPR 139	Introduction to Cloud Computing	3.0
CMPR 140	Discrete Structures for Computer Science	3.0
CMPR 205	Advanced Visual Basic	3.0
CMPR 213	C# Programming	3.0
CMPR 247	Windows Server Operating System	3.0
CMPR 248	Microsoft SQL Server	3.0
MATH C2210	Calculus I Early Transcendentals	4.0
	–or–	
MATH 180H	Honors Single Variable Calculus I	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
		Total: 25.0-27.0

Data Analytics: Certificate of Achievement

Program Code: SAC.CMPDA.CA

Program Control Number: 41686

The Certificate of Achievement for Data Analytics is designed for students who have an interest in working with datasets, database systems, SQL (Structured Query Language), Pandas, Jupyter, and other related DA tools. The program is also tailored for working professionals who might want to change careers in BIG DATA or Data Analytics.

Learning Outcome(s):

1. Demonstrate writing SQL scripts for Data Analytics.
2. Demonstrate using libraries for SQL and Pandas.
3. Demonstrate analyzing statistical information.

Required Courses:		*15.0-15.5*
CMPR 114	Python Programming	3.0
CMPR 115	Python for Data Analytics	3.0
CMPR 167	Microsoft Access	3.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
BA 188	Microsoft Excel	2.0
		Total: 15.0-15.5

Fullstack Web Developer: Certificate of Achievement
Program Code: SAC.CMFWD.CA
Program Control Number: 44965

The FullStack Web Development is a comprehensive program designed to equip students with the skills and knowledge needed to become proficient web developers capable of building dynamic and responsive web applications. This program covers a broad spectrum of technologies, from front-end development, user interface design, and user experience optimization to back-end server scripting, database management, and API development.

Learning Outcome(s):

1. Demonstrate writing HTML Scripts.
2. Demonstrate writing Cascading Style Sheet Scripts.
3. Demonstrate writing JavaScript code.
4. Demonstrate writing SQL Scripts.

Required Courses		*15.0*
CMPR 152	HTML	3.0
CMPR 114	Python Programming	3.0
CMPR 118	JavaScript Programming	3.0
CMPR 126	Web Frameworks Architect	3.0
CMPR 168	MS SQL Database Development	3.0
		Total: 15.0

IT Desktop and Server Operations: Certificate of Achievement
Program Code: SAC.CMITD.CA
Program Control Number: 39840

The IT Desktop and Server Operations certificate is designed to prepare students in the technical field of desktop and server management.

Technical background in LAN infrastructure, networking, virtualization, operating systems, Microsoft and Linux server & client technologies, email platforms, mobile device management, cloud-based solutions, supporting technology solutions following industry best practices and all relevant standards and practices.

Learning Outcome(s):

1. Describe ethical, professional, and legal challenges that confront an IT professional.
2. Demonstrate knowledge of the fundamental concepts of operating systems, networks, and cloud computing.
3. Design, implement, manage and administer a secured, local area network consisting of desktop clients and servers.

Take ALL of the following courses:		*15.0*
CMPR 134	Microsoft Windows Operating System	3.0
CMPR 138	CompTIA Network+ Guide to Networks	3.0
CMPR 153	A+ Essentials Hardware	3.0
CMPR 155	A+ Essentials Software	3.0
CMPR 247	Windows Server Operating System	3.0
		Total: 15.0

IT Network and Security Operations: Certificate of Achievement
Program Code: SAC.CMITN.CA
Program Control Number: 39836

The IT Network and Security Operations certificate is an mid-level certification for network technicians and information security analysts. This certification is designed to test the competency of a mid-level network technician in supporting and configuring TCP/IP clients in terms of network design, cabling, hardware setup, configuration, installation, support, and troubleshooting and best practices in network defense, vulnerability risk assessment, and cybersecurity.

Learning Outcome(s):

1. Describe ethical, professional, and legal challenges that confront an IT professional in network security.
2. Design, implement, manage and administer a secured network environment.
3. Evaluate best practices in networking, information technology management and security to enhance business processes.
4. Develop written documentation and presentations, individually and in collaborative environments, that provide solutions networking and security management challenges.

Take ALL of the following courses:		*15.0*
CMPR 138	CompTIA Network+ Guide to Networks	3.0
CMPR 153	A+ Essentials Hardware	3.0
CMPR 154	A+ Essentials Software	3.0
CMPR 175	CompTIA Security+ Guide to Network Security	3.0
CMPR 247	Windows Server Operating System	3.0
		Total: 15.0

IT Support Specialist: Certificate of Achievement
Program Code: SAC.CMITS.CA
Program Control Number: 39839

The IT Support Specialist certificate of achievement is based on the learning objectives from the CompTIA IT Fundamentals (ITF+) and CompTIA A+ certifications. Also, the certificate of achievement includes help desk “soft skills” such as effective communication, analytical and critical thinking, diplomacy, problem solving, leadership, team building, and listening skills. The IT Support Specialist certificate provides the required competencies to be employed in high demand, high wage jobs and careers in information technology.

Learning Outcome(s):

1. Identify features and functions of common operating systems and establishing network connectivity
2. Identifying, using, and connecting hardware components and devices
3. Achieve hands-on experience installing and using help desk issue tracking software.
4. Know how to set up and install common peripheral devices to a laptop/PC or secure a basic wireless network
5. Install and configure laptops and other mobile devices
6. Comprehend notational systems, illustrate the basics of computing and explain the value of data and troubleshooting
7. Troubleshoot PC and mobile device issues including application security support

Take ALL of the following courses:		*16.0-19.0*
CMPR 100	The Computer and Society	3.0
CMPR 104	Work Experience - IT Cybersecurity and Computing	1.0-4.0
CMPR 125	IT Help Desk Fundamentals	3.0
CMPR 134	Microsoft Windows Operating System	3.0
CMPR 153	A+ Essentials Hardware	3.0
CMPR 155	A+ Essentials Software	3.0
		Total: 16.0-19.0

Java Programming: Certificate of Achievement
Program Code: SAC.CMJP.CA
Program Control Number: 44680

The Java Certificate with a specialized focus on Database Management and Server Operating Systems. This comprehensive program equips you with the skills and knowledge to master Java programming, database administration, and server management. Dive into the intricacies of Java, learning its syntax, data structures, and object-oriented programming principles.

Learning Outcome(s):

1. Demonstrate proficiency in writing Java code.
2. Demonstrate proficiency in writing SQL scripts.
3. Demonstrate proficiency in installing and configuring server operating systems.

Required Courses		*15.0*
CMPR 112	Java Programming	3.0
CMPR 113	Advanced Java	3.0
CMPR 168	MS SQL Database Development	3.0
CMPR 169	Structured Query Language (SQL)	3.0
CMPR 247	Windows Server Operating System	3.0
		Total: 15.0

Python Programming: Certificate of Achievement
Program Code: SAC.CMPP.CA
Program Control Number: 44679

The Python Certificate with a specialized focus on Database Management and Server Operating Systems. This comprehensive program equips you with the skills and knowledge to master Python programming, database administration, and server management. Dive into the intricacies of Python, learning its syntax, data structures, and object-oriented programming principles.

Learning Outcome(s):

1. Demonstrate proficiency in utilizing Python for real-world applications, such as data analysis and web scraping.
2. Demonstrate the use of best practices for writing clean, efficient, and maintainable Python code.
3. Demonstrate an understanding of object-oriented programming principles and apply them to design and implement Python classes and objects.

Required Courses		*15.0*
CMPR 114	Python Programming	3.0
CMPR 115	Python for Data Analytics	3.0
CMPR 168	MS SQL Database Development	3.0
CMPR 215	Advanced Python Programming	3.0
CMPR 247	Windows Server Operating System	3.0
		Total: 15.0

Database: Certificate of Proficiency
Program Code: SAC.CISDB.CERT

Databases are essentially central to all businesses. They are the means by which large quantities of information can be stored, organized and retrieved, and are used to support an organization's operations, such as payroll and time sheets, project management, inventory and health records. This certificate is designed to prepare students in the career as an entry-level database analyst/administrator or those information technology professionals who would like to concentrate in developing and supporting database management systems. This certificate provides training in creating and maintaining databases based on fundamentals of relational database and Structured Query Language (SQL), and training in generating queries for ad-hoc reporting, stored procedures and functions using the latest database management system (DBMS) software such as Microsoft SQL Server, Oracle and MS Access.

Learning Outcome(s):

1. Use Microsoft Access to create a professional and user-friendly working database, to create effective queries in retrieving data, to create effective reports based on given criteria, and to create useful and professional mainform/subforms
2. Manage, update and retrieve data from DBMS (Database Management System) using the SQL Language commands
3. Design database by applying normalization rules and create E-R (Entity Relationship) and UML (Unified Modeling Language) diagrams for a given database scenario
4. Create applications using appropriate Visual Basic or Java programming language to update database table data

Take ALL of the following:		*9.0*
CMPR 167	Microsoft Access	3.0
CMPR 168	Microsoft Access - Visual Basic for Applications	3.0
CMPR 169	Structured Query Language (SQL)	3.0
Select ONE group of the following courses:		*6.0*
CMPR 105	Visual BASIC Programming	3.0
	–and–	
CMPR 205	Advanced Visual Basic	3.0
	–or–	
CMPR 112	Java Programming	3.0
	–and–	
CMPR 113	Advanced Java	3.0
		Total: 15.0

Enterprise Systems: Certificate of Proficiency
Program Code: SAC.CMPRES.CERT

Prepares students to be involved with running Enterprise (large-scale) computer systems. Students will learn how to design and configure multicomputer networking systems, configure, administrate, and maintain servers, and manage related issues such as reliability, safety and security.

Learning Outcome(s):

1. Students will know how to use web programming software.

Take ALL of the following courses:		*12.0*
CMPR 173	Introduction to Networking Technology	3.0
CMPR 247	Windows Server Operating System	3.0
CMPR 248	Microsoft SQL Server	3.0
CMPR 249	Microsoft Internet Information Server (IIS)	3.0
		Total: 12.0

Programming: Certificate of Proficiency
Program Code: SAC.CMRP.CERT

The associate degree and certificate curriculum in computer science leads to entry-level employment in computer science, engineering and other areas where high aptitude in computer programming is recognized. The program prepares students for careers as engineering aides, scientific computing technicians and junior programmers. The program also prepares students to transfer to a university with a major in Computer Science.

Learning Outcome(s):

1. Students will know how to use web programming software.

Take ALL of the following courses:		*9.0*
CMPR 120	Introduction to Programming	3.0
CMPR 121	Programming Concepts	3.0
CMPR 131	Data Structures Concepts	3.0
Select ONE course from the following:		*3.0*
CMPR 112	Java Programming	3.0
CMPR 205	Advanced Visual Basic	3.0
CMPR 213	C# Programming	3.0
		Total: 12.0

Web Site Development: Certificate of Proficiency
Program Code: SAC.CISWP.CERT

Web Site Development gives students the skills to design, implement, and publish content (pages) on the World Wide Web.

Take the following 3 courses:		*6.0*
CMPR 152	HTML	3.0
CMPR 118	JavaScript Programming	3.0
Select ONE course from the following		*3.0*
CMPR 112	Java Programming	3.0
	–or–	
CMPR 113	Advanced Java	3.0
		Total: 9.0

COUNSELING

Social Work and Human Services: A.A.-T Degree for Transfer
Program Code: SAC.CNSW.AAT
Program Control Number: 46216

The Associate of Arts in Social Work and Human Services for Transfer provides an interdisciplinary exploration of courses and content that prepares students to transfer to a four-year university as a Social Work or Human Services major. This program allows students to blend theory with fieldwork experience while incorporating critical thinking and self-exploration. Completion of the AA-T In Social Work and Human Services degree also provides guaranteed admission to the California State University (CSU) system with junior status, although not to a particular campus or major. Students are strongly encouraged to meet with a counselor to discuss transfer options.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU-GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Demonstrate knowledge and understanding of theoretical perspectives, legal and ethical principles, and social issues related to Social Work and Human Services fields.
2. Develop communication skills and cultural competencies as a foundation for success in the fields of Social Work and Human Services.

Required Core:		*22.0-23.5*
CNSL 150	Introduction to Social Work and Human Services	3.0
Social Work and Human Services		*3.0*
CNSL 170	Social Work and Human Services Fieldwork Seminar	1.0
CNSL 175	Social Work and Human Services Fieldwork	2.0
Sociology		*3.0*
SOC 100	Introduction to Sociology	3.0
SOC 100H	Honors Introduction to Sociology	3.0
Introduction to Psychology		*3.0*
PSYC C1000	Introduction to Psychology	3.0
PSYC C1000H	Introduction to Psychology - Honors	3.0
Statistics		*4.0-4.5*
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0

Human Biology, Anatomy, or Physiology		*3.0-4.0*
BIOL 109	Fundamentals of Biology	3.0
	–or–	
BIOL 109H	Honors Fundamentals of Biology	3.0
	–or–	
BIOL 149	Human Anatomy and Physiology	4.0
	–or–	
BIOL 239	General Human Anatomy	4.0
	–or–	
BIOL 249	Human Physiology	4.0
Economics		*3.0*
ECON C2002	Principles of Macroeconomics	3.0
	–or–	
ECON C2001	Principles of Microeconomics	3.0
LIST A: Select two courses (6 units):		*6.0-7.0*
Introduction to Cultural Anthropology		*3.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
Child Growth and Development		*3.0*
CDEV C1000	Child Growth and Development	3.0
	–or–	
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
	–or–	
PSYC 157	Introduction to Child Psychology	3.0
Child, Family, and Community		*3.0*
CDEV 110	Child, Family, and Community (DS2)	3.0
	–or–	
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
Intercultural Communication		*3.0*
CMST 103	Introduction to Intercultural Communication	3.0
	–or–	
CMST 103H	Honors Introduction to Intercultural Communication	3.0
Introduction to Criminal Justice		*3.0*
CJ 101	Introduction to Criminal Justice	3.0
	–or–	
CJ 101H	Honors Introduction to Criminal Justice	3.0
Argumentative Writing and Critical Thinking		*4.0*
ENGL C1001	Critical Thinking and Writing	4.0
	–or–	
ENGL C1001H	Critical Thinking and Writing - Honors	4.0
	–or–	
ENGL C1003	Critical Thinking and Writing through Literature	4.0
	–or–	
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
Introduction to Ethnic Studies		*3.0*
ETHN 150	Introduction to Ethnic Studies	3.0
	–or–	
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
United States History to 1877		*3.0*
HIST C1001	United States History to 1877	3.0
	–or–	
HIST C1001H	United States History to 1877 - Honors	3.0
United States History from 1865		*3.0*
HIST C1002	United States History since 1865	3.0
HIST C1002H	United States History since 1865 - Honors	3.0
PSYC 160	Introduction to Lifespan Psychology	3.0
PSYC 230	Psychology of Adjustment	3.0
PSYC 250	Introduction to Abnormal Psychology	3.0
SOC 112	*Relationships, Marriages, and Family Dynamics*	*3.0*
Social Problems		*3.0*
SOC 140	Social Problems	3.0
SOC 140H	Honors Social Problems	3.0
SOC 150	Intro to Race and Ethnicity	3.0
		Total: 28.0-30.5

Human Services: A.A. Degree

Program Code: SAC.CNHS.AA

Program Control Number: 30752

Former Title: Community Social Services

The major course requirements for the associate degree in Human Services enable students to move into a transfer curriculum at a four-year university that can lead to a baccalaureate degree in Human Services. The baccalaureate degree in Human Services prepares students for graduate programs in Counseling, Social Work, and Marriage and Family Therapy. Please see a counselor for specific course requirements for your transfer university.

Learning Outcome(s):

1. Students will think critically and communicate effectively about community social service issues using written and oral communication.
2. Students will demonstrate the effective use of empathic listening and interviewing skills.
3. Students will evaluate and integrate information to draw reasonable conclusions based on evidence.

Required Core Courses:		*12.0*
CNSL 150	Introduction to Social Work and Human Services	3.0
CNSL 155	Skills for the Helping Professions	3.0
Child Growth and Development		*3.0*
CDEV C1000	Child Growth and Development	3.0
PSYC 157	Introduction to Child Psychology	3.0
Select one of the following		*3.0*
PSYC C1000	Introduction to Psychology	3.0
PSYC C1000H	Introduction to Psychology - Honors	3.0
SOC 112	Relationships, Marriages, and Family Dynamics	3.0

Select a minimum of SIX units from the electives below:		*6.0-8.5*
BIOL 149	Human Anatomy and Physiology	4.0
CDEV 110	Child, Family, and Community (DS2)	3.0
CDEV 116A	Infant/Toddler Growth and Development (DS4)	3.0
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
CNSL 116	Career/Life Planning and Personal Exploration	3.0
EDUC 201	Introduction to Elementary Classroom Teaching	3.0
EDUC 210	The Teaching Experience: Secondary Education	3.0
MATH 105	Mathematics for Liberal Arts Students	4.0
PSYC 250	Introduction to Abnormal Psychology	3.0
Cultural Anthropology		*3.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
Understanding Child Abuse and Maltreatment		*3.0*
CDEV 220	Understanding Child Abuse and Maltreatment	3.0
CNSL 220	Understanding Child Abuse and Maltreatment	3.0
Social Work and Human Services Field Experience		*3.0*
CNSL 170	Social Work and Human Services Related Field Experience Seminar	1.0
CNSL 175	Work Experience-Social Work and Human Services	2.0
Introduction to Psychology		*3.0*
PSYC C1000	Introduction to Psychology	3.0
PSYC C1000H	Introduction to Psychology - Honors	3.0
Introduction to Sociology		*3.0*
SOC 100	Introduction to Sociology	3.0
SOC 100H	Honors Introduction to Sociology	3.0
Statistics		*4.0-4.5*
PSYC 210	Statistics for the Behavioral Sciences	4.0
	–or–	
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
		Total: 18.0-20.5

CRIMINAL JUSTICE

Administration of Justice: A.S.-T Degree for Transfer

Program Code: SAC.CJ.AST

Program Control Number: 32255

The Associate in Science in Administration of Justice for Transfer (AST) prepares students to complete a baccalaureate degree in Criminal Justice.

Completion of the AS-T degree provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the AS-T in Administration of Justice students will have a greater understanding of the operation of the criminal justice system from arrest, trial, corrections, and release into the community. Upon completion of the AS-T degree in Administration of Justice, students may pursue careers with the following types of criminal justice agencies: (a) law enforcement, (b) probation, (c) corrections, (d) courts, and (e) agencies with legal authority of specific criminal offenses, such as alcohol beverage control or fraud.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Develop critical thinking and ethical reasoning regarding criminal justice issues.
2. Evaluate career opportunities in the criminal justice field.

Required Core (6 units)		*6.0*
Introduction to Criminal Justice		*3.0*
CJ 101	Introduction to Criminal Justice	3.0
	–or–	
CJ 101H	Honors Introduction to Criminal Justice	3.0
Concepts of Criminal Law		*3.0*
CJ 103H	Honors Concepts of Criminal Law	3.0
	–or–	
CJ 103	Concepts of Criminal Law	3.0
List A - Select two courses (6 units)		*6.0*
CJ 102	Introduction to Corrections	3.0
CJ 105	Legal Aspects of Evidence	3.0
Principles and Procedures in the Criminal Justice System		*3.0*
CJ 107	Principles and Procedures in the Criminal Justice System	3.0
	–or–	
PARA 107	Principles and Procedures in the Criminal Justice System	3.0
CJ 108	Crime Scene Investigation	3.0

Community Interaction		*3.0*
CJ 109	Community Interaction	3.0
	–or–	
CJ 109H	Honors Community Interaction	3.0
CJ 205	Criminal Investigation Principles	3.0
CJ 220	Juvenile Delinquency and Control	3.0
List B – select two courses (6 units). Any List A course not already used		*6.0-8.5*
CJ 106	Coroner Death Investigations	3.0
CJ 210	Drug Abuse and Criminal Justice	3.0
Statistics and Probability		*4.0-4.5*
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
American Government and Politics		*3.0*
POLS C1000	American Government and Politics	3.0
	–or–	
POLS C1000H	American Government and Politics - Honors	3.0
Introduction to Psychology		*3.0*
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
Introduction to Sociology		*3.0*
SOC 100	Introduction to Sociology	3.0
	–or–	
SOC 100H	Honors Introduction to Sociology	3.0
CJ 120	Work Experience - Criminal Justice	1.0-4.0
		Total: 18.0-20.5

Criminal Justice Option: A.S. Degree

Program Code: SAC.CJ.AS

Program Control Number: 04249

The Criminal Justice Option Degree curriculum is designed to prepare students for entry-level employment in local, state, federal, or private sector criminal justice agencies that do not require bachelor's degrees, and to provide students who wish to transfer to a four-year academic institution with 27 units of criminal justice course work. This degree prepares students for careers in the fields of law enforcement, probation, corrections, courts, and private security. Elective course CJ-120 is a Work Experience - Criminal Justice course that has variable units 1-4, but students who wish to use this course as an elective must complete 3 units to meet the elective section requirements.

Learning Outcome(s):

1. develop in students pursuing Criminal Justice careers the skills to evaluate career opportunities.
2. develop critical thinking and ethical reasoning in students interested in the criminal justice field.

Required Courses		*21.0*
Introduction to Criminal Justice		*3.0*
CJ 101	Introduction to Criminal Justice	3.0
	–or–	
CJ 101H	Honors Introduction to Criminal Justice	3.0
CJ 102	Introduction to Corrections	3.0
Concepts of Criminal Law		*3.0*
CJ 103	Concepts of Criminal Law	3.0
	–or–	
CJ 103H	Honors Concepts of Criminal Law	3.0
CJ 105	Legal Aspects of Evidence	3.0
Principles and Procedures in the Criminal Justice System		*3.0*
CJ 107	Principles and Procedures in the Criminal Justice System	3.0
PARA 107	Principles and Procedures in the Criminal Justice System	3.0
Community Interaction		*3.0*
CJ 109	Community Interaction	3.0
CJ 109H	Honors Community Interaction	3.0
CJ 148	Report Writing for Criminal Justice Personnel	3.0
Electives: 6 units Select electives from the following list:		*6.0-7.0*
Electives: Select 6 units from the following list		*6.0*
CJ 106	Coroner Death Investigations	3.0
CJ 108	Crime Scene Investigation	3.0
CJ 110	Street Gangs	3.0
CJ 205	Criminal Investigation Principles	3.0
CJ 209	Organized Crime	3.0
CJ 210	Drug Abuse and Criminal Justice	3.0
CJ 220	Juvenile Delinquency and Control	3.0
CJ 120	Work Experience - Criminal Justice	1.0-4.0
		Total: 27.0-28.0

Law Enforcement Option: Certificate of Achievement
Program Code: SAC.CJLE.CA
Program Control Number: 21796

The Law Enforcement Option Certificate is designed to meet or exceed the minimum P.O.S.T. requirements for entry-level employment as peace officers. This certificate requires successful completion of the Basic Police Academy (CJA 099A). Students interested in this certificate should contact an academic counselor, the Criminal Justice Academies, and the Criminal Justice Department for details.

Learning Outcome(s):

1. develop critical thinking and ethical reasoning in students interested in the law enforcement field.
2. appraise the responsibilities of the law enforcement profession.

Course		*46.5-48.5*
CJA 010	Pre-Employment Preparation for Law Enforcement	2.0
CJA 099A	Basic Police Academy	29.5-31.5
Introduction to Criminal Justice		*3.0*
CJ 101	Introduction to Criminal Justice	3.0
CJ 101H	Honors Introduction to Criminal Justice	3.0
Concepts of Criminal Law		*3.0*
CJ 103	Concepts of Criminal Law	3.0
CJ 103H	Honors Concepts of Criminal Law	3.0
CJ 105	Legal Aspects of Evidence	3.0
Principles and Procedures in the Criminal Justice System		*3.0*
CJ 107	Principles and Procedures in the Criminal Justice System	3.0
PARA 107	Principles and Procedures in the Criminal Justice System	3.0
Community Interaction		*3.0*
CJ 109	Community Interaction	3.0
CJ 109H	Honors Community Interaction	3.0
		Total: 46.5-48.5

Corrections Officer Program: Certificate of Proficiency
Program Code: SAC.CJCO.CERT

The Corrections Officer Certificate is designed to upgrade the skills and knowledge that criminal justice professionals require, and it provides knowledge of new procedures, policies, and judicial rulings to anyone interested in the criminal justice system, particularly in the field of corrections. This certificate consists of course work that is fundamental for working in the fields of law enforcement, probation, corrections, courts, and private security, and leads to completion of the Criminal Justice Option Degree.

Learning Outcome(s):

1. develop critical thinking and ethical reasoning in students interested in the criminal justice field.
2. develop in students pursuing Criminal Justice careers the skills to evaluate career opportunities.

Course		*15.0*
CJ 101	Introduction to Criminal Justice	3.0
	–or–	
CJ 101H	Honors Introduction to Criminal Justice	3.0
CJ 102	Introduction to Corrections	3.0
CJ 103	Concepts of Criminal Law	3.0
	–or–	
CJ 103H	Honors Concepts of Criminal Law	3.0
CJ 105	Legal Aspects of Evidence	3.0
CJ 205	Criminal Investigation Principles	3.0
		Total: 15.0

CRIMINAL JUSTICE ACADEMIES

Modern Policing: A.S. Degree
Program Code: SAC.CJAMP.AS
Program Control Number: 44691

The Modern Police Associate in Science is designed to fulfill a portion of the state requirements for future employment as a full time, sworn peace officer, while preparing students to continue studies toward a B.A. or B.S. degree in a discipline of their choosing. Students who pursue a Modern Police degree enjoy a wealth of career options in the field of law enforcement. They work in multiple areas including patrol, detectives, S.W.A.T., narcotics, reserves, K-9 handler, traffic, and more.

Learning Outcome(s):

1. Identify the procedures involved in the American justice system from arrest to release and rehabilitation.
2. Analyze the importance of the inter-cooperation between communities, social work, law enforcement, courts, and corrections in the American justice system.
3. Demonstrate critical thinking skills and cultural awareness through the scholarly analysis of important periods in American history and their impacts on modern policing.

Required Courses:		*45.0- 45.5*
Introduction to Criminal Justice		*3.0*
CJ 101	Introduction to Criminal Justice	3.0
	–or–	
CJ 101H	Honors Introduction to Criminal Justice	3.0
Concepts of Criminal Law		*3.0*
CJ 103	Concepts of Criminal Law	3.0
	–or–	
CJ 103H	Honors Concepts of Criminal Law	3.0
Community and the Justice System		*3.0*
CJ 109	Community Interaction	3.0
	–or–	
CJ 109H	Honors Community Interaction	3.0
Statistics		*4.0-4.5*
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
Public Speaking		*3.0*
COMM C1000	Introduction to Public Speaking	3.0
COMM C1000H	Introduction to Public Speaking - Honors	3.0
Argumentative Writing and Critical Thinking		*4.0*
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
ENGL C1001	Critical Thinking and Writing	4.0
ENGL C1001H	Critical Thinking and Writing - Honors	4.0
College Composition		*4.0*
ENGL C1000	Academic Reading and Writing	4.0
	–or–	
ENGL C1000H	Academic Reading and Writing - Honors	4.0
Social Psychology		*3.0*
PSYC 240	Introduction to Social Psychology	3.0
SOC 240	Introduction to Social Psychology	3.0

Social Justice		*3.0*
ETHN 150	Introduction to Ethnic Studies	3.0
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
Intercultural Communication		*3.0*
CMST 103	Introduction to Intercultural Communication	3.0
CMST 103H	Honors Introduction to Intercultural Communication	3.0
Legal Ethics		*3.0*
LAW 121	Legal Ethical Reasoning	3.0
PARA 121	Legal Ethical Reasoning	3.0
ART 103	Arts of Africa, Oceania, and Indigenous North America	3.0
PHIL 108	Ethics	3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
Procedure: Choose 1 course from the following list:		*3.0*
CJ 107	Principles and Procedures in the Criminal Justice	3.0
PARA 107	Principles and Procedures in the Criminal Justice	3.0
CJ 105	Legal Aspects of Evidence	3.0
CJ 205	Criminal Investigation Principles	3.0
CJ 220	Juvenile Delinquency and Control	3.0
		Total: 48.0-48.5

Basic Law Enforcement Academy: Certificate of Achievement

Program Code: SAC.CJBLE.CA

Program Control Number: 40815

Students will receive instruction in all areas of criminal justice, as required by P.O.S.T., for entry-level law enforcement officers. This program is offered in cooperation with the Orange County Sheriff's Department.

Learning Outcome(s):

1. Develop the knowledge and skills to safely fulfill the duties and responsibilities of California peace officers.
2. Develop the knowledge and skills necessary to respond to emergency situations and legally use force to include the proficient use of firearms.

Required Courses		*32.5*
CJA 099	OCSD Basic Pre-Academy	2.5
CJA 099A	Basic Police Academy	30.0
		Total: 32.5

DANCE

Dance: A.A. Degree

Program Code: SAC.DNCE.AA

Program Control Number: 04222

The Associate in Arts Degree program in dance provides training in three areas of technique: ballet, modern, and jazz. Integral parts of the curriculum are practical experience in concert performance and production work, as well as a theoretical background in choreography and dance history. Completion of the Associate in Arts Degree prepares the student to enter a four-year institution leading to a baccalaureate degree. Please consult a SAC counselor for information about course requirements for specific four-year institutions. The dance program provides training for careers and employment in the performing arts, education, choreography, arts consultancy, dance criticism, and related fields.

Learning Outcome(s):

1. Summarize the history of classic and contemporary dance forms.
2. Demonstrate a clear understanding of the interaction between choreographer, performer, and audience, and recognize the production components of lighting, costume, and set design through the creation and presentation of dance in public performances.
3. Execute proficiency in performance and technical skills in modern, ballet, and jazz dance.

Required Courses		*39.0*
DNCE 100	Dance History and Appreciation	3.0
DNCE 201A	Ballet I	2.0
DNCE 201B	Ballet II	2.0
DNCE 201C	Ballet III	2.0
DNCE 201D	Ballet IV	2.0
DNCE 202A	Choreography I	2.0
DNCE 202B	Choreography II	2.0
DNCE 204A	Dance Production I	2.0
DNCE 204B	Dance Production II	2.0
DNCE 206A	Modern Dance I	2.0
DNCE 206B	Modern Dance II	2.0
DNCE 209	Modern Dance III	2.0
DNCE 210	Modern Dance IV	2.0
DNCE 219A	Jazz Dance I	2.0
DNCE 219B	Jazz Dance II	2.0
DNCE 220	Jazz Dance III	2.0
DNCE 221	Jazz Dance IV	2.0
DNCE 240A	Repertory I	2.0
DNCE 240B	Repertory II	2.0
Plus 2 units from the following electives		*2.0*
DNCE 009A	Dance Laboratory I	0.5
DNCE 009B	Dance Laboratory II	0.5
DNCE 009C	Dance Laboratory III	0.5
DNCE 009D	Dance Laboratory IV	0.5
DNCE 101	Dance as Communication	3.0
DNCE 105	World Dance and Cultures	3.0
DNCE 107A	Dance Concert Performance - I	1.0
DNCE 107B	Dance Concert Performance - II	1.0
DNCE 107D	Dance Concert Performance - IV	1.0
DNCE 107C	Dance Concert Performance - III	1.0
DNCE 112A	Introduction to Ethnic Dance Forms	1.0
DNCE 120A	Introduction to Hip-Hop Dance	1.0
DNCE 122A	Commercial Dance I	1.0
DNCE 122B	Commercial Dance II	1.0
DNCE 124A	Salsa Dance I	1.0
DNCE 133A	Musical Theatre Dance Techniques I	1.0
DNCE 140A	Dance Repertory Workshop I	1.0
DNCE 180	Professional Studio Practices	2.0

DNCE 240C	Repertory III	2.0
DNCE 240D	Repertory IV	2.0
DNCE 250A	Hip-Hop Dance I	2.0
DNCE 250B	Hip-Hop Dance II	2.0
DNCE 251	Hip-Hop Dance III	2.0
DNCE 260	Somatic Practices in Dance	3.0
		Total: 41.0

Commercial Dance: Certificate of Achievement

Program Code: SAC.DNCD.CA

Program Control Number: 45135

The Commercial Dance Certificate of Achievement is an intensive one-year training program that focuses on jazz, commercial dance, hip-hop, repertory, production, choreography, studio teaching methodology, and outreach touring performance. In addition to performance skills, students receive training in audition and interview techniques, resume building, social media marketing trends, and entrepreneurial networking strategies. The program culminates in a practicum, followed by an internship designed to equip students with the essential skills for entry-level positions in the commercial and entertainment industries, studio instruction, performance, and choreography. *The Commercial Dance Certificate program is designed for advanced students and consultation with department faculty/ instructor is highly recommended prior to enrollment.*

Learning Outcome(s):

1. Execute technical and artistic performance skills in various styles of commercial dance genres including contemporary, hip-hop, jazz, and performance repertory.
2. Develop and demonstrate skill sets in the areas of choreography, production tasks, studio teaching methodologies, and outreach touring performances.
3. Demonstrate preparation skills for auditions and interviews and utilize tools in resume development, social media marketing trends, and entrepreneurial networking strategies.
4. Present personal portfolio and identify and articulate objectives, goals, and work-related responsibilities specific to assigned dance internship.

Required Courses		*20.0*
DNCE 125A	Commercial Dance III	1.0
DNCE 125B	Commercial Dance IV	1.0
DNCE 180	Professional Studio Practices	2.0
DNCE 202B	Choreography for Dance Majors	3.0
DNCE 204B	Dance Production II	2.0
DNCE 205A	Dance Touring Ensemble I	2.0
DNCE 205B	Dance Touring Ensemble II	2.0
DNCE 220	Jazz Dance III	2.0
DNCE 221	Jazz Dance IV	2.0
DNCE 251	Hip-Hop Dance III	2.0
DNCE 270	Dance Practicum	1.0
Choose one of the two courses:		*2.0*
DNCE 240A	Repertory I	2.0
	–or–	
DNCE 240B	Repertory II	2.0
4 units from the following Electives		*4.0*
DNCE 009B	Dance Laboratory II	0.5
DNCE 009A	Dance Laboratory I	0.5
DNCE 133A	Musical Theatre Dance Techniques I	1.0
DNCE 209	Modern Dance III	2.0
DNCE 210	Modern Dance IV	2.0
DNCE 213	Ballet III	2.0
DNCE 214	Ballet IV	2.0
		Total: 26.0

Dance: Certificate of Achievement

Program Code: SAC.DNCE.CA

Program Control Number: 21786

The certificate program in dance combines comprehensive advanced courses in dance technique with courses of a specialized nature to provide a complete program of study and training in technique and performance.

This program is designed to develop skills necessary for a career as a dance performer and to provide extensive pre-professional performance experience. Employment opportunities exist in a variety of areas: dance companies; instructor in private dance studios; dancer for commercial stage, television, and film; choreographer/performer in music videos; and production choreographer.

Learning Outcome(s):

1. Demonstrate competency in the creation and presentation of dance in public performances.
2. Execute proficiency in performance and technical skills in modern, ballet, jazz, hip-hop and contemporary dance styles, to audition for commercial performance venues.
3. Demonstrate a clear understanding of the interaction between choreographer, performer and audience, and the production components of lighting, costume and set design, through the creation and presentation of dance in public performances.

Required Courses		*32.0*
DNCE 122A	Commercial Dance I	1.0
DNCE 180	Professional Studio Practices	2.0
DNCE 202B	Choreography for Dance Majors	3.0
DNCE 204A	Dance Production I	2.0
DNCE 204B	Dance Production II	2.0
DNCE 205A	Dance Touring Ensemble I	2.0
DNCE 205B	Dance Touring Ensemble II	2.0
DNCE 209	Modern Dance III	2.0
DNCE 210	Modern Dance IV	2.0
DNCE 213	Ballet III	2.0
DNCE 214	Ballet IV	2.0
DNCE 220	Jazz Dance III	2.0
DNCE 221	Jazz Dance IV	2.0
DNCE 240A	Repertory I	2.0
DNCE 240B	Repertory II	2.0
DNCE 251	Hip-Hop Dance III	2.0
Recommended electives:		*2.0-3.0*
DNCE 009A	Dance Laboratory I	0.5
DNCE 009B	Dance Laboratory II	0.5
DNCE 009C	Dance Laboratory III	0.5
DNCE 009D	Dance Laboratory IV	0.5
DNCE 105	World Dance and Cultures	3.0
DNCE 107A	Dance Concert Performance - I	1.0
DNCE 109A	Pilates Mat I	1.0
DNCE 109B	Pilates Mat II	1.0
DNCE 109C	Pilates Mat III	1.0
DNCE 110	Beginning Mexican Folk Dance	1.0
DNCE 111	Intermediate Mexican Folk Dance I	1.0
DNCE 112A	Introduction to Ethnic Dance Forms	1.0
DNCE 118	Introduction to Caribbean and Latin Dance Styles	1.0
DNCE 123	Introduction to Salsa Dance	1.0
DNCE 124A	Salsa Dance I	1.0
DNCE 204C	Dance Production III	2.0
DNCE 204D	Dance Production IV	2.0
DNCE 205C	Dance Touring Ensemble III	2.0
DNCE 205D	Dance Touring Ensemble IV	2.0
DNCE 240C	Repertory III	2.0

DNCE 240D	Repertory IV	2.0
DNCE 250A	Hip-Hop Dance I	2.0
DNCE 250B	Hip-Hop Dance II	2.0
DNCE 260	Somatic Practices in Dance	3.0
DNCE 261	Somatic Practices in Modern Dance	1.0
DNCE 262	Somatic Practices in Ballet	1.0
DNCE 263	Somatic Practices in Jazz Dance	1.0
DNCE 270	Dance Practicum	1.0
DNCE 290	Choreography for the Camera	3.0
DNCE 291	Dance Film Production	3.0
DNCE 296	Special Studies in Modern Dance	2.0
DNCE 297	Special Studies in Jazz Dance	1.0
DNCE 298	Special Studies in Ballet Dance	2.0
THEA 110	Acting Fundamentals	3.0
THEA 113	Acting for the Camera	3.0
THEA 132	Stage Makeup	3.0
		Total: 34.0-35.0

Introduction to Commercial Dance - Level I Series: Certificate of Achievement

Program Code: SAC.DNCD1.CA

Program Control Number: 44684

This introductory training program prepares students to transition to Santa Ana College's Commercial Dance Program. Students will learn foundational skills in dance techniques in the genres of commercial dance, jazz, musical theatre, and Hip Hop. Additionally, study in the areas of ballet, modern, tap, performance repertory, and production are offered. The required courses can be completed in one semester and students are encouraged to move to the next series, Introduction to Commercial Dance – Level II Series. Continued training in the advanced levels provides opportunities to prepare for employment in commercial and entertainment industries, studio instruction, performance, and choreography.

Learning Outcome(s):

1. Demonstrate foundational skills in dance techniques in the genres of ballet, commercial dance, jazz, modern, musical theatre, and Hip Hop.
2. Demonstrate proficiency in commercial dance terminology and practices, aligning with industry standards.
3. Identify the core principles of dance repertory and production, preparing students for performance and behind-the-scenes
4. Prepare in foundational dance skills and knowledge for advancement to the Introduction to Commercial Dance – Level II Series.

Required Courses		*10.0*
DNCE 122A	Commercial Dance I	1.0
DNCE 133A	Musical Theatre Dance Techniques I	1.0
DNCE 201A	Ballet I	2.0
DNCE 206A	Modern Dance I	2.0
DNCE 219A	Jazz Dance I	2.0
DNCE 250A	Hip-Hop Dance I	2.0
And select one of the two courses:		*2.0*
DNCE 204A	Dance Production I	2.0
	–or–	
DNCE 240A	Repertory I	2.0
And complete 2 units from the following electives:		*2.0*
DNCE 009A	Dance Laboratory	0.5
DNCE 109A	Pilates Mat I	1.0
DNCE 114	Conditioning for Dance	1.0
DNCE 118	Introduction to Caribbean and Latin Dance Styles	1.0
DNCE 123	Introduction to Salsa Dance	1.0
		Total: 14.0

Introduction to Commercial Dance - Level II Series: Certificate of Achievement

Program Code: SAC.DNCD2.CA

Program Control Number: 44682

The Introduction to Commercial Dance – Level II Series is a continued training program, preparing students in dance techniques in the genres of ballet, commercial dance, Hip Hop, jazz, and modern. Additionally, study in the areas of performance repertory, production, body conditioning, Latin dance styles, and musical theatre are offered. The required courses can be completed in one semester and students are considered for placement to continue training in the advanced levels. The Commercial Dance Certificate provides the essential skills necessary for entry-level positions of employment in commercial and entertainment industries, studio instruction, performance, and choreography. The Commercial Dance Certificate program is designed for advanced students and consultation with department faculty/instructor is highly recommended prior to enrollment.

Learning Outcome(s):

1. Demonstrate level II skills in dance techniques in the genres of ballet, commercial dance, jazz, modern, and Hip Hop.
2. Demonstrate proficiency in commercial dance terminology and practices, aligning with industry standards.
3. Identify the core principles of dance repertory and production, preparing students for performance and behind-the-scenes roles.
4. Prepare and build on the skills acquired and move toward more advanced training of the Commercial Dance certificate program.

Required Courses		*9.0*
DNCE 122B	Commercial Dance II	1.0
DNCE 201B	Ballet II	2.0
DNCE 206B	Modern Dance II	2.0
DNCE 219B	Jazz Dance II	2.0
DNCE 250B	Hip-Hop Dance II	2.0
Select one of the two courses:		*2.0*
DNCE 204A	Dance Production I	2.0
DNCE 240A	Repertory I	2.0
And complete 2 units from the following electives:		*2.0*
DNCE 009A	Dance Laboratory I	0.5
DNCE 009B	Dance Laboratory II	0.5
DNCE 109A	Pilates Mat I	1.0
DNCE 109B	Pilates Mat II	1.0
DNCE 114	Conditioning for Dance	1.0
DNCE 118	Introduction to Caribbean and Latin Dance Styles	1.0
DNCE 123	Introduction to Salsa Dance	1.0
DNCE 124A	Salsa Dance I	1.0
DNCE 133A	Musical Theatre Dance Techniques I	1.0
		Total: 13.0

Introduction to Dance - Level I Series: Certificate of Achievement

Program Code: SAC.DNL1.CA

Program Control Number: 46121

The Certificate of Achievement, Dance - Level I Series prepares students to learn foundational skills in dance techniques in the genres of ballet, jazz, and modern dance. Additionally, training in performance repertory and dance production are offered. Study of the history of classical and contemporary dance forms is also included. Required courses can be completed in one semester and students are encouraged to move to the next series, Certificate of Achievement, Dance — Level II. The entire series, levels I-IV, will support students in completing the A.A. Degree in Dance, which prepares the student to audition to a four-year institutional dance program.

Learning Outcome(s):

1. Demonstrate foundational skills in dance techniques in the genres of ballet, jazz, and modern dance
2. Demonstrate competency in the presentation of dance in public performances.
3. Summarize the history of classical and contemporary dance forms.

Required Courses		*1.5*
DNCE 009A	Dance Laboratory I	0.5
Dance History and Appreciation		*3.0*
DNCE 100	Dance History and Appreciation	3.0
	–ot–	
DNCE 100H	Honors Dance History and Appreciation	3.0
DNCE 201A	Ballet I	2.0
DNCE 206A	Modern Dance I	2.0
DNCE 219A	Jazz Dance I	2.0
DNCE 240A	Repertory I	2.0
And complete one (1) unit from the following electives:		*1.0*
DNCE 122A	Commercial Dance I	1.0
DNCE 124A	Salsa Dance I	1.0
DNCE 133A	Musical Theatre Dance Techniques I	1.0
		Total: 12.5

Introduction to Dance - Level II Series: Certificate of Achievement

Program Code: SAC.DNL2.CA

Program Control Number: 45888

The Introduction to Dance - Level II Series prepares students to continue learning foundational skills in dance techniques in the genres of ballet, jazz, and modern dance. Additionally, training in choreography, commercial dance, hip-hop, musical theater, and performance repertory are offered. Required courses can be completed in one semester and students are encouraged to move to the next series, Introduction to Dance — Level III Series. The entire series, levels I-IV, will support students in completing the A.A. Degree in Dance, which prepares the student to audition for a four-year institutional dance program.

Learning Outcome(s):

1. Demonstrate level II skills in dance techniques in the genres of ballet, jazz, and modern dance.
2. Develop fundamental skills in choreography..
3. Demonstrate technical and performance skills in commercial-styled dance genres.
4. Continued demonstration of competency in the presentation of dance in public performances.

Required Courses		*10.5*
DNCE 009B	Dance Laboratory II	0.5
DNCE 201B	Ballet II	2.0
DNCE 202A	Choreography I	2.0
DNCE 206B	Modern Dance II	2.0
DNCE 219B	Jazz Dance II	2.0
DNCE 240B	Repertory II	2.0
And complete two (2) units from the electives:		*2.0*
DNCE 122A	Commercial Dance I	1.0
DNCE 122B	Commercial Dance II	1.0
DNCE 133A	Musical Theatre Dance Techniques I	1.0
DNCE 133B	Musical Theatre Dance Techniques II	1.0
DNCE 250A	Hip-Hop Dance I	2.0
		Total: 12.5

Screendance: Certificate of Achievement

Program Code: SAC.DNCES.CA

Program Control Number: 41541

The Screendance Certificate program is an interdisciplinary collaboration between the SAC Dance Department and the SAC Digital Media Department. This program provides Digital Media production courses with state-of-the-art equipment, as well as dance movement and theory courses designed for those who want to develop necessary skills in a current and demanding working field and industry of screendance and film production.

Learning Outcome(s):

1. Demonstrate competency in the creation and presentation of choreography for the camera.
2. Demonstrate competency in communication and interaction between choreographer, performer(s), film production member(s).
3. Execute proficiency in the process of organizing,directing, and producing screendance.

Required Courses		*16.5*
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 115A	Single-Camera Production and Editing	3.0
DM 140	Cinematography	3.0
DM 171	Drone Pilot Training	1.5
DNCE 290	Choreography for the Camera	3.0
DNCE 291	Dance Film Production	3.0
Plus 5 to 6 units from the following electives		*5.0-6.0*
DNCE 201A	Ballet I	2.0
DNCE 201B	Ballet II	2.0
DNCE 213	Ballet III	2.0
DNCE 214	Ballet IV	2.0
DNCE 298	Special Studies in Ballet Dance	1.0
DNCE 206A	Modern Dance I	2.0
DNCE 206B	Modern Dance II	2.0
DNCE 209	Modern Dance III	2.0
DNCE 210	Modern Dance IV	2.0
DNCE 296	Special Studies in Modern Dance	1.0
DNCE 219A	Jazz Dance I	2.0
DNCE 219B	Jazz Dance II	2.0
DNCE 220	Jazz Dance III	2.0
DNCE 221	Jazz Dance IV	2.0
DNCE 297	Special Studies in Jazz Dance	1.0
DNCE 250A	Hip-Hop Dance I	2.0
DNCE 250B	Hip-Hop Dance II	2.0
DNCE 251	Hip-Hop Dance III	2.0
DNCE 122A	Commercial Dance I	1.0
DNCE 124	Intermediate Salsa Dance	1.0
DNCE 202B	Choreography for Dance Majors	3.0
		Total: 21.5-22.5

DIESEL ELECTRIC TRANSPORTATION TECHNOLOGY

Electric Heavy-Duty Vehicles: A.S. Degree

Program Code: SAC.DETEH.AS

Program Control Number: 08712

In addition to the general education requirements, the associate degree in electric heavy-duty vehicles technology is designed to prepare students with the knowledge and skills applicable to medium/heavy-duty electric vehicles and equipment in the zero emissions industry. Experience will be acquired on domestic and foreign vehicles. This degree will assist students with the transition from diesel-fuel powered medium/heavy-duty vehicles to electric-powered medium/heavy-duty vehicles.

Learning Outcome(s):

1. Demonstrate proper safety procedures when working with high voltage heavy-duty vehicles.
2. Identify mid-heavy-duty electric drive train configurations.
3. Demonstrate proper techniques for maintenance, service, troubleshooting, and repair of electric heavy-duty vehicles.

Required Courses		*30.0*
DETT 101	Introduction to Diesel-Electric Technology	2.5
DETT 131	Transmissions and Drive Train	4.5
DETT 141	Medium/Heavy Duty Chassis Systems	4.5
DETT 161	Electrical/Electronic Systems	5.0
DETT 165	Diesel-Electric Transport Refrigeration	5.0
DETT 168	High Voltage and Electrical Systems	5.0
DETT 171	Heating, Ventilation, and Air Conditioning	3.5
		Total: 30.0

Medium/Heavy Truck Technology: A.S. Degree

Program Code: SAC.DSL.AS

Program Control Number: 04207

In addition to the general education requirements, the associate degree in medium/heavy truck technology is designed to successfully prepare students to enter the diesel-electric medium and heavy-duty transportation industry as an apprentice or helper technician or provide supplementary knowledge for equipment operators and truck drivers. The program provides lecture and lab activities related to heavy-duty vehicle engines, power-train units, steering and suspension components, brakes, electrical, air conditioning, and preventative maintenance inspections. Those working in the industry will be able to improve their competencies in each subject area.

Learning Outcome(s):

1. Recognize safety procedures when working with diesel-electric vehicles.
2. Identify medium/heavy-duty vehicle systems and operations.
3. Demonstrate effective procedures for inspecting, servicing, troubleshooting and repairing medium/heavy-duty vehicles.

Courses		*29.0*
DETT 101	Introduction to Diesel-Electric Technology	2.5
DETT 115	Heavy Duty Mobile Hydraulics	5.0
DETT 121	Diesel Engines	4.5
DETT 132	Alternative Fuels, Diesel, Emissions, and Zero Emissions Systems	5.0
DETT 141	Medium/Heavy Duty Chassis Systems	4.5
DETT 161	Electrical/Electronic Systems	5.0
DETT 181	Introduction to Preventative Maintenance Inspection	5.0
		Total: 29.0

Electric Heavy-Duty Vehicle Service: Certificate of Achievement

Program Code: SAC.DETES.CA

Program Control Number: 21770

The certificate of achievement in electric heavy-duty vehicles technology will prepare students with the knowledge and skills for entry level positions working on medium/heavy-duty electric vehicles and equipment in the zero emissions industry. This certificate prepares students who are currently working with diesel medium/heavy-duty systems to transition into the new labor force for zero emissions transportation technologies.

Learning Outcome(s):

1. Demonstrate proper safety procedures when working with high voltage heavy-duty vehicles.
2. Identify mid-heavy-duty electric drive train configurations.
3. Demonstrate proper techniques for maintenance, service, troubleshooting, and repair of electric heavy-duty vehicles.

Required Courses		*21.5*
DETT 101	Introduction to Diesel-Electric Technology	2.5
DETT 131	Transmissions and Drive Train	4.5
DETT 141	Medium/Heavy Duty Chassis Systems	4.5
DETT 161	Electrical/Electronic Systems	5.0
DETT 168	High Voltage and Electrical Systems	5.0
		Total: 21.5

Medium/Heavy Truck Service: Certificate of Achievement

Program Code: SAC.DSL.CA

Program Control Number: 21772

The certificate of achievement in medium/heavy truck service is designed to successfully prepare students to enter the diesel-electric medium and heavy-duty transportation industry as an apprentice or helper technician or provide supplementary knowledge for equipment operators and truck drivers. The program provides lecture and lab activities related to heavy-duty vehicle engines, power-train units, steering and suspension components, brakes, electrical, air conditioning, and preventative maintenance inspections. Those working in the industry will be able to improve their competencies in each subject area.

Learning Outcome(s):

1. Demonstrate effective procedures for inspecting, servicing, troubleshooting and repairing medium/heavy duty vehicles.
2. Develop skills in properly measuring and analyzing medium/heavy duty vehicle concerns.
3. Recognize safety procedure for Diesel-Electric vehicles.
4. Identify medium/heavy-duty vehicles systems and operations.

Required Courses		*19.5*
DETT 101	Introduction to Diesel-Electric Technology	2.5
DETT 115	Heavy Duty Mobile Hydraulics	5.0
DETT 121	Diesel Engines	4.5
DETT 132	Alternative Fuels, Diesel, Emissions, and Zero Emissions Systems	5.0
DETT 181	Introduction to Preventative Maintenance Inspection	5.0
		Total: 19.5

Transit Bus Maintenance: Certificate of Proficiency
Program Code: SAC.DSLTB.CERT

The Transit Bus Maintenance Certificate is designed to train students in the field of transit bus service, repair, and troubleshooting. Completion of courses CERT1 through CERT10 prepares the student for industry. Safety, theory of operation, diagnosis, and service procedures are emphasized. The student must furnish approved safety equipment for the first meeting of the DETT 201 course. This equipment includes approved ANSI safety glasses, reflective safety vest, and steel-toed shoes.

Learning Outcome(s):

1. Explain basic safety operation concerns when operating a transit bus on assigned route.
2. Explain proper steps in completing a transit bus pre-trip inspection.

Required Courses		*9.8*
DETT 201	Introduction to Transit Systems	0.3
DETT 202	Transit Preventative Maintenance	0.5
DETT 203	Transit Vehicle Electrical Systems	2.5
DETT 205	Transit Vehicle Air Brake Systems	1.0
DETT 206	Transit Vehicle Automatic Transmissions	1.0
DETT 207	Transit Vehicle Engines	2.0
DETT 208	Transit Vehicle Heating, Ventilation, Air Conditioning	1.0
DETT 209	Transit Vehicle Drive Train Suspension	1.0
DETT 210	Transit Vehicle Wheelchair Lifts	0.5
		Total: 9.8

Transport Refrigeration/Temperature Control: Certificate of Proficiency
Program Code: SAC.DSLTR.CERT

The certificate curriculum in transport refrigeration is designed to prepare students to enter the field as an apprentice or helper service technician. The course work provides training in the service, repair, and troubleshooting techniques of Carrier Transicold and Thermo King truck and trailer refrigeration units. The course work is made up of lecture and lab performances on current production units, covering the refrigeration and electrical systems used to control the unit's operation to maintain the desired product temperature to protect the consumer's health. Employment opportunities for all individuals exist in this rapidly expanding field.

Learning Outcome(s):

1. Demonstrate proper pre-trip inspection procedures prior to transport refrigeration operation.
2. Describe the maintenance schedule of a basic and hybrid transportation refrigeration unit.
3. Explain refrigeration units cycles and service procedures.

Required Courses		*13.5*
DETT 161	Electrical/Electronic Systems	5.0
DETT 165	Diesel-Electric Transport Refrigeration	5.0
DETT 171	Heating, Ventilation, and Air Conditioning	3.5
		Total: 13.5

DIGITAL MEDIA

Film, Television and Electronic Media: A.S.-T Degree for Transfer
Program Code: SAC.FTEM.AST
Program Control Number: 35698

The Associate in Science in Film, Television and Electronic Media for Transfer (A.S.-T in Film, Television and Electronic Media) is designed to prepare students for transfer into the CSU system to complete a baccalaureate degree in Film, Television and Electronic Media, as well as to prepare them for work in those industries. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the Associate in Science in Film, Television and Electronic Media for Transfer also provides guaranteed admission to the CSU system, although not to a particular campus or major. Upon completion of the A.S.-T in Film, Television and Electronic Media, students will have an understanding of the various aspects associated with the production and post production of films, television and electronic media. Students will also possess the knowledge and technical skills required for academic and professional success in related areas.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C" or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Upon completion of the AS-T in Film, Television and Electronic Media, students will demonstrate the various skills associated with the production, and post production of films, television and digital media.
2. Students will acquire the knowledge and technical skills required for academic and professional success in related areas.

Required Core Courses: Select two: 6 units		*6.0*
DM 100	Introduction to Electronic Media: TV, Radio, Film, and the Internet	3.0
DM 120	Beginning Screenwriting for Digital Media	3.0
List A: Area 1: Audio (Select One: 3 units)		*3.0*
DM 130	Broadcasting for News & Sports	3.0
	–or–	
DM 152	Beginning Audio Production	3.0
List A: Area 2 Video or Film Production (Select One: 3 units)		*3.0*
DM 110	Introduction to Television Production	3.0
	–or–	
DM 115A	Single-Camera Production & Editing	3.0
List B: Select one: 3 units (or any course not already used above)		*3.0*
DM 150	Producing and Directing	3.0
List C: Select one: 3 units (or any course not already used above) (Max 3 units for DM 125)		*3.0*
DM 102	History of Global Cinema	3.0
DM 103	History of Film to 1945	3.0
DM 104	History of Film from 1945 to Present	3.0
DM 105	History of Latin American Cinema	3.0
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 125	Work Experience - Digital Media	1.0-4.0
DM 140	Cinematography	3.0
DM 193	Motion Graphics with Adobe After Effects	3.0
DM 255	Motion Picture Technical Production	3.0
		Total: 18.0

Digital Media Arts: A.A. Degree
Program Code: SAC.ARTDM.AA
Program Control Number: 04223

The Digital Media Arts program focuses on a rigorous program of design and media coursework in preparation for a career in digital media, digital design, design development and media publishing. The program develops visual communication skills in print, web and media development.

Learning Outcome(s):

1. Practice creative self-improvement through critical evaluation, application of design vocabulary and personal creative application.
2. Create unique visual communication packages in print, web and media design.
3. Create unique graphics for application across multiple media platforms.
4. Practice all aspects of the design production process in a professional manner, through client-based interactions, project management, and observation of deadlines.

Basic Foundations		*9.0*
DM 195	Introduction to Digital Media Arts	3.0
DM 121A	Fundamentals of Typography	3.0
DM 113	Introduction to Digital Media Design Principles	3.0
	–or–	
ART 110	Two-Dimensional Design	3.0
	–or–	
ART 111	Three-Dimensional Design	3.0
Digital Design Development		*9.0*
DM 121B	Advanced Typography	3.0
DM 122	Principles of Graphic Design	3.0
DM 168	Agency Graphic Design Production	3.0
DM 164	Web Design	3.0
DM 191A	Layout Design	3.0
DM 124	Cooperative Work Experience - Occupational	1.0-4.0
Electives		*6.0-7.0*
DM 113	Introduction to Digital Media Design Principles	3.0
DM 162	Digital Illustration I	3.0
	–or–	
ART 162	Digital Illustration I	3.0
DM 192A	Digital Illustration II: Advanced Topics	3.0
	–or–	
ART 192A	Digital Illustration II: Advanced Topics	3.0
DM 121B	Advanced Typography	3.0
DM 191A	Layout Design	3.0
DM 164	Web Design	3.0
DM 115A	Single-Camera Production and Editing	3.0
DM 193	Motion Graphics with Adobe After Effects	3.0
DM 196A	3D Modeling: The Fundamentals	3.0
DM 196B	3D Modeling Intermediate	3.0
ART 130	Introduction to Drawing	3.0
ART 141	Beginning Painting	3.0
ENTR 105	Social Media and Digital Marketing Strategies	2.0
ART 111	Three-Dimensional Design	3.0
CMPR 112	Java Programming	3.0
CMPR 118	JavaScript Programming	3.0
DM 107	History of Animation	3.0
DM 124	Cooperative Work Experience - Occupational	1.0-4.0
ART 100	Introduction to Art Concepts	3.0
	–or–	
ART 100H	Honors Introduction to Art Concepts	3.0
JAMS 102	Multimedia Storytelling	3.0
CMSD 103	Introduction to Visual Communications	3.0
PHOT 180	Beginning Photography	3.0
		Total: 24.0-25.0

Agency Film Production: Certificate of Achievement
Program Code: SAC.TVAFP.CA
Program Control Number: 38701

This certificate will introduce and develop core single-camera production skills including producing, directing, filming, and editing videos for clients. Students will use the same production process used for narrative and documentary filmmaking, but learn how to do so to meet client business needs for marketing and training. Upon completion of this certificate program, students will be eligible for entry-level employment as Producers, Production Assistants, Editors, Videographers, Assistant Directors, and Project Managers.

Learning Outcome(s):

1. The core competencies for an agency filmmaker include: communication skills: writing, interpersonal, business and organizational; digital visual acumen to visualize, compose, and film a scene; digital organizational and assembly of storytelling images and sounds; technical acumen for both digital cameras and editing software. The Student Learning Outcomes include: an ability to communicate with clients and determine a visual and aural product that meets the clients' goals and objectives. Concepting a finished product that will meet the clients' needs and budget, and will meaningfully convey the intended message. The student will also be able to operate professional digital cameras and be able to compose shots and film scenes that meet all professional standards for: focus, white balance, composition, color and texture. The student will also be able to operate professional video software so that they can ingest digital footage, arrange files on a timeline to tell a meaningful story, and export the finished product to common digital file for playback.

Core Courses		*12.0*
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 115A	Single-Camera Production & Editing	3.0
DM 120	Beginning Screenwriting for Digital Media	3.0
DM 140	Cinematography	3.0
Required Course		*6.0*
DM 240	Agency Film Production	3.0
DM 150	Producing and Directing	3.0
	–or–	
DM 168	Agency Graphic Design Production	3.0
		Total: 18.0

Animation for Commercial Applications: Certificate of Achievement

Program Code: SAC.ARTAC.CA

Program Control Number: 08734

Earn your certificate in animation and choose your focus within the fields of 3D modeling, character animation, multimedia production and interactive design. Choosing this priority sector field, with projected job growth and high earning potential, will make you an asset in the future and in today's digital media market. Make your creativity work for you!

Learning Outcome(s):

1. Create dynamic animation & interactive media for commercial and creative applications for the entertainment industry.
2. Apply industry-standard software to modeling, animation and interactive design.
3. Solve digital media design problems related to the entertainment industry using product design platforms for animation and interactive media development.

Foundation		*9.0*
DM 195	Introduction to Digital Media Arts	3.0
DM 113	Introduction to Digital Media Design Principles	3.0
DM 107	History of Animation	3.0
Coursework		*12.0*
DM 196A	3D Modeling: The Fundamentals	3.0
DM 196B	3D Modeling Intermediate	3.0
DM 197A	3D Animation Fundamentals	3.0
DM 165	3D Character Animation	3.0
Electives		*1.0-4.0*
DM 124	Cooperative Work Experience - Occupational	1.0-4.0
DM 169	Game Design & Development Team	1.5
MUS 153	Introduction to Game Audio	2.0
DM 193	Motion Graphics with Adobe After Effects	3.0
		Total: 22.0-25.0

Broadcast Journalism: Certificate of Achievement

Program Code: SAC.DMBJ.CA

Program Control Number: 10659

Emphasis on preparing students for work in television news and sports programming. Students will gain practical experience producing and staffing a weekly news show aired on YouTube.

Learning Outcome(s):

1. Students will demonstrate basic knowledge and operational skills associated with various technologies and equipment utilized in the production and post-production of professional newscasts.
2. Students will acquire sufficient knowledge and understanding of the various aspects and crew positions associated with producing professional news programs, so as to be able to effectively assess the technical and personnel requirements for a production, coordinate the necessary resources and successfully execute the plan as either an individual or a member of a news team.
3. Students will demonstrate critical thinking by reviewing and critiquing past and current newscasts to assess their strengths and weakness from the point of view of the news consumer.

Core Courses:		*9.0*
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 115A	Single-Camera Production & Editing	3.0
DM 140	Cinematography	3.0
Required Courses		*9.0*
DM 130	Broadcasting for News & Sports	3.0
DM 230A	Beginning News & Sports Production	3.0
JAMS 121	Reporting and Writing the News	3.0
		Total: 18.0

Digital Media Arts - Production Artist: Certificate of Achievement

Program Code: SAC.DMAPA.CA

Program Control Number: 21756

The Production Artist certificate reflects the rapidly changing industry skills for entry into the broad field of graphic design. Graduates of this program will find entry into the profession at various levels, with employment opportunities in the fields of advertising, graphic design, social media, printing industry, and e-commerce. Skills developed include options in digital print and media design.

Learning Outcome(s):

1. Create unique professional graphics based on client requests and business outcomes.
2. Create unique professional layouts for a variety of media projects and formats.
3. Identify and develop creative briefs to support design proposals that address client needs.
4. Develop graphic packages for multiple platform launch.

Required Courses		*12.0*
DM 195	Introduction to Digital Media Arts	3.0
	–or–	
ART 195	Introduction to Digital Media Arts	3.0
DM 121A	Fundamentals of Typography	3.0
DM 122	Principles of Graphic Design	3.0
DM 168	Graphic Design II: Branding and Identity	2.0
Design Coursework		*3.0*
DM 191A	Layout Design	3.0
DM 162	Digital Illustration I	3.0
	–or–	
ART 162	Digital Illustration I	3.0
DM 192A	Digital Illustration II: Advanced Topics	3.0
	–or–	
ART 192A	Digital Illustration II: Advanced Topics	3.0
Media Coursework		*3.0*
DM 164	Web Design	3.0
DM 193	Motion Graphics with Adobe After Effects	3.0
DM 113	Introduction to Digital Media Design Principles	3.0
		Total: 18.0

Digital Media Arts - UX Design: Certificate of Achievement

Program Code: SAC.DMBUX.CA

Program Control Number: 21754

The UX Design program is designed to address technical skills and creativity in the areas of digital imaging, online page layout, graphic principles of web design, responsive design and interactive design elements for multimedia presentation. Students have options for developing additional skills through work experience, business marketing, or computer programming.

Learning Outcome(s):

1. Design unique professional graphics for use on the web.
2. Design unique professional page layouts for interactive use in web applications and online communications.
3. Test design outcomes and effectiveness through focused client testing.
4. Address responsive design concerns for client needs and desired outcomes.

Required Courses		*9.0*
DM 195	Introduction to Digital Media Arts	3.0
DM 121A	Fundamentals of Typography	3.0
DM 164	Web Design	3.0
Electives		*6.0-7.0*
DM 124	Cooperative Work Experience - Occupational	1.0-4.0
DM 122	Principles of Graphic Design	3.0
ENTR 105	Social Media and Digital Marketing Strategies	2.0
CMPR 118	JavaScript Programming	3.0
		Total: 15.0-16.0

Drone Cinematography: Certificate of Achievement
Program Code: SAC.DMDC.CA
Program Control Number: 41746

Drone cinematography has grown into a thriving industry, with many trained pilots who offer the service. Drone cinematography is a lucrative field that's perfect for those who want to work in filmmaking and content creation. Aerial videos captured by drones have become a standard element of modern film, television productions, corporate videos, weddings videos, real estate marketing, news, commercial productions, and more. Drone cinematographers have a chance to land high-income jobs capturing aerial footage. Completion of this certificate will allow students to move directly into the workforce with the industry-standard skills and portfolio work they need to attain employment or become their own job creators.

Learning Outcome(s):

1. Develop specialized filming skills as a drone camera imaging operator for multiple career applications in cinematography.
2. Gain experience with drone operations, maneuverability, safety rules, FAA regulations, and actual flight operations.

Core Classes		*12.0*
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 115A	Single-Camera Production and Editing	3.0
DM 120	Beginning Screenwriting for Digital Media	3.0
DM 140	Cinematography	3.0
Required Classes		*5.0*
DM 170	Drone Pilot License Test Prep	0.5
DM 171	Drone Pilot Training	1.5
DM 175	Drone Cinematography & Editing	3.0
		Total: 17.0

Narrative Film Production: Certificate of Achievement
Program Code: SAC.DMNFP.CA
Program Control Number: 41747

This certificate will introduce and develop core single-camera production skills including producing, directing, filming, and editing videos for narrative short form and feature film productions. Upon completion of this certificate program, students will be eligible for entry-level employment as production assistants, editors, videographers, assistant directors, and project managers.

Learning Outcome(s):

1. Identify individual roles of a production crew and demonstrate the ability to work and communicate in a production crew environment.
2. Demonstrable ability to set up, run, and breakdown professional cameras, audio gear, lights, and other equipment associated with a film production.
3. Write visually for scripts.

Core Courses		*12.0*
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 115A	Single-Camera Production and Editing	3.0
DM 120	Beginning Screenwriting for Digital Media	3.0
DM 140	Cinematography	3.0
Required Courses		*6.0*
DM 157	Directing for Single-Camera Production	3.0
DM 255	Motion Picture Technical Production	3.0
		Total: 18.0

Screenwriting: Certificate of Achievement
Program Code: SAC.DMSW.CA
Program Control Number: 10660

Emphasis on learning writing skills for the development of such television programming as sitcoms, talk shows, news and documentaries, musical variety shows, game shows and soaps, as well as commercials, corporate videos and web programs.

Learning Outcome(s):

1. Students will demonstrate basic knowledge and operational skills associated with various technologies and software utilized in screenwriting.
2. Students will acquire sufficient knowledge and understanding of a writers' room and positions associated with producing professional television scripts as either an individual or a member of a writing team.
3. Students will demonstrate critical thinking by reviewing and critiquing past and current movies and TV scripts to assess their strengths and weakness from the point of view of the writer.

Core Courses		*12.0*
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 115A	Single-Camera Production & Editing	3.0
DM 120	Beginning Screenwriting for Digital Media	3.0
DM 140	Cinematography	3.0
Required Courses:		*6.0*
DM 255	Motion Picture Technical Production	3.0
DM 103	History of Film to 1945	3.0
	–or–	
DM 104	History of Film from 1945 to Present	3.0
		Total: 18.0

Television Production: Certificate of Achievement
Program Code: SAC.DMTP.CA
Program Control Number: 10658

Emphasis on orientation with studio and field equipment, production planning, program directing, and post-production process.

Learning Outcome(s):

1. Demonstrate basic knowledge and operational skills associated with various technologies and equipment utilized in the production and post production of professional video programs.
2. Acquire sufficient knowledge of the various aspects and crew positions associated with producing professional television programs.
3. Demonstrate critical thinking by reviewing and critiquing past and current movies and TV shows to assess their strengths and weakness from the point of view of the media consumer.
4. Assess the technical and personnel requirements for a production, and coordinate the necessary resources.

Core Courses		*12.0*
DM 100	Introduction to Electronic Media: TV, Radio, Film, and the Internet	3.0
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 115A	Single-Camera Production and Editing	3.0
DM 140	Cinematography	3.0
Required Courses:		*9.0*
DM 110	Introduction to Television Production	3.0
DM 120	Beginning Screenwriting for Digital Media	3.0
DM 215	Advanced Single-Camera/Digital Cinema Production	3.0
		Total: 21.0

Graphic Arts: Certificate of Proficiency
Program Code: SAC.ARTGA.CERT

An express certificate program introducing students to major components of Graphic Design and Digital Media. The program prepares students for entry-level positions in the field of graphic arts and design related office work. The courses in this certificate are required for the AA degrees in Graphic Design and Digital Media Arts.

Learning Outcome(s):

1. Competently create digital designs using industry-standard design software and theories.
2. Demonstrate creative problem-solving skills.
3. Apply design knowledge to basic industry problems in multiple media applications; including web, print, and communication graphics.
4. Develop a digital media-based portfolio for application in entry-level design careers.

Required Foundation Courses		*6.0*
DM 195	Introduction to Digital Media Arts	3.0
DM 113	Introduction to Digital Media Design Principles	3.0
	–or–	
ART 110	Two-Dimensional Design	3.0
Advanced Design Topics		*3.0*
DM 121A	Fundamentals of Typography	3.0
	–or–	
DM 122	Principles of Graphic Design	3.0
History		*3.0*
DM 107	History of Animation	3.0
	–or–	
ART 100	Introduction to Art Concepts	3.0
	–or–	
ART 100H	Honors Introduction to Art Concepts	3.0
	–or–	
ART 105	History of Modern Art	3.0
		Total: 12.0

EARTH SCIENCE

Earth Science: A.A. Degree
Program Code: SAC.ES.AA
Program Control Number: 31980

The Associate degree curriculum in Earth Science prepares students to transfer to a four-year institution leading to a baccalaureate degree in Earth Sciences or Geology. Please consult a SAC counselor for information about course requirements for particular four-year institutions. A baccalaureate degree in Earth Sciences may provide the recommended content preparation for students interested in teaching science at the middle school level or are planning to go to law school in the area of Environmental Law or Public Policy. Students may also gain necessary opportunities with Geotechnical or Environmental consulting firms or with government agencies such as the National Park Service.

Learning Outcome(s):

1. Students will demonstrate proficiency and knowledge with regards to the physical structure of the Earth through the paradigm of plate tectonics.
2. Students will demonstrate proficiency and knowledge regarding the operations and interrelations of Earth systems.

Required Core Courses		*22.0*
ASTR 110	Introduction to Stars and Galaxies	3.0
ASTR 140	Astronomy Laboratory	1.0
CHEM 209	Introductory Chemistry	4.0
	–or–	
PSC 115	Concepts in Physical Sciences for Educators	4.0
	–or–	
CHEM 115	Concepts in Physical Sciences for Educators	4.0
ERTH 115	Earth Science for Educators	4.0
	–or–	
GEOL 101	Dynamic Earth: Introduction to Geology	3.0
	–and–	
GEOL 101L	Dynamic Earth: Introduction to Geology Laboratory	1.0
GEOL 140	Environmental Geology	3.0
GEOL 150	Introduction to Oceanography	3.0
	–or–	
GEOL 150H	Honors Introduction to Oceanography	3.0
GEOL 201	The Earth Through Time	4.0
Electives		*2.0*
GEOL 112	Earthquakes	1.0
GEOL 162	Geologic Field Studies of the Mojave Desert	1.0
GEOL 164	Geologic Field Studies of the Eastern Sierra Nevada	2.0
GEOL 168	Geologic Field Studies of the Owens Valley	1.0
GEOL 169	Geologic Field Studies of San Diego County	1.0
GEOL 170	Geologic Field Studies of the Anza-Borrego Desert State Park	1.0
GEOL 171	Geology Field Studies of Sequoia and Kings Canyon National Parks	1.0
GEOL 172	Geologic Field Studies of the California Coast	2.0
GEOL 173	Geologic Field Studies of Death Valley	1.0
GEOL 174	Geologic Field Studies of Joshua Tree National Park	1.0
		Total: 24.0

ECONOMICS

Economics: A.A.-T Degree for Transfer

Program Code: SAC.ECON.AAT

Program Control Number: 35555

The Associate in Arts in Economics for Transfer (A.A.-T in Economics) prepares students to move into the CSU system leading to a baccalaureate degree in Economics. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the Associate in Arts in Economics for Transfer (A.A.-T in Economics) also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. The program strives to motivate students to strengthen their problem solving, analytical reasoning, critical thinking and communication skills that will assist them in their further studies and careers. The program further aims to develop marketable students that are responsible citizens aware of and informed about the variety of differing views on current economic events and policy issues and how they impact our lives.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C" or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students who complete an AAT in Economics will: Utilize microeconomic or macroeconomic theory to analyze a specific economic scenario. Utilize data to gain insight into a specific economic relationship. Utilize economic history and/or the history of economic ideas to inform a comprehensive understanding of a current economic perspective or event.

Required Core:		*14.0-14.5*
ECON C2002	Principles of Macroeconomics	3.0
ECON C2001	Principles of Microeconomics	3.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
MATH 150	Calculus for Biological, Management and Social Sciences	5.0
	–or–	
MATH C2210	Calculus I Early Transcendentals	4.0
LIST A: Select one (3-5 units)		*3.0-5.0*
MATH 140	College Algebra	4.0
MATH 140S	College Algebra with Support	4.5
MATH 162	Trigonometry	4.0
MATH 145	Finite Mathematics	4.0
MATH 170	Pre-Calculus Mathematics	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
MATH 287	Introduction to Linear Algebra and Differential Equations	5.0
BUS 105	Legal Environment of Business	3.0
LAW 105	The Legal Environment of Business	3.0
BUS 150	Introduction to Information Systems and Applications	3.0
BUS 222	Business Writing	3.0
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
LIST B: Select one course (3-5 units) any list a course not already being used		*3.0-5.0*
GEOG 100	World Regional Geography	3.0
GEOG 100H	Honors World Regional Geography	3.0
GEOG 102	Cultural Geography	3.0
MATH 280	Intermediate Calculus	4.0
		Total: 20.0-24.5

Economics: A.A. Degree

Program Code: SAC.ECON.AA

Program Control Number: 04256

The associate degree curriculum in economics is a program of basic courses which enable students to move into a curriculum in a four-year institution leading to a baccalaureate degree. Economics prepares the student for a number of career opportunities such as accounting and marketing in the areas of business, government and teaching.

Learning Outcome(s):

1. Students will communicate using basic economic terminology, interpret relevant economic data, and follow and construct fundamental economic arguments
2. Students will define and explain the fundamental economic problem of scarcity and its consequences relating to opportunity cost and marginal decision-making of individuals, firms, and society
3. Students will use the basic tools of economic modeling and graphing to evaluate the market system, to increase the efficiency of resource allocation, and to predict changes within the market and economy.

Course		*22.0-23.5*
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
ECON C2002	Principles of Macroeconomics	3.0
ECON C2001	Principles of Microeconomics	3.0
BUS 150	Introduction to Information Systems and Applications	3.0
	–or–	
MATH 145	Finite Mathematic	4.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
Recommended electives:		*3.0*
BUS 101	Business Law	3.0
	–or–	
BUS 120	Principles of Management	3.0
		Total: 25.0-26.5

EDUCATION

Elementary Teacher Education: A.A.-T Degree for Transfer

Program Code: SAC.ETED.AAT

Program Control Number: 31887

The Associate of Arts in Elementary Teacher Education for Transfer (A.A.-T in Elementary Teacher Education) prepares students to transfer into the CSU system to complete a baccalaureate degree in Liberal Studies and into a multiple subject teaching credential program. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the Associate of Arts in Elementary Teacher Education for Transfer (A.A.-T in Elementary Teacher Education) degree also provides guaranteed admission to the California State University (CSU) system with junior status, although not to a particular campus or major.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU-GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Identify elements of diversity and diverse learning styles in student populations and discover how teachers and schools can promote learning for all students.
2. Demonstrate proficiency in 14 content areas required for subject matter competency for elementary teachers.

Required Core Courses		*45.0*
CDEV C1000	Child Growth and Development (DS1)	3.0
	–or–	
PSYC 157	Introduction to Child Psychology	3.0
HIST 120	The United States to 1877	3.0
	–or–	
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
POLS C1000	American Government and Politics	3.0
	–or–	
POLS C1000H	American Government and Politics - Honors	3.0
EDUC 201	Introduction to Education	3.0
ERTH 115	Earth Science for Educators	4.0
COMM C1000	Introduction to Public Speaking	3.0
	–or–	
COMM C1000H	Introduction to Public Speaking - Honors	3.0
ENGL C1000	Academic Reading and Writing	4.0
	–or–	
ENGL C1000H	Academic Reading and Writing - Honors	4.0
CHEM 115	Concepts in Physical Sciences for Educators	4.0
	–or–	
PSC 115	Concepts in Physical Sciences for Educators	4.0
BIOL 115	Concepts in Biology for Educators	4.0
	–or–	
BIOL 109H	Honors Fundamentals of Biology	3.0
	–or–	
BIOL 109	Fundamentals of Biology	3.0
	–and–	
BIOL 109L	Fundamentals of Biology Laboratory	1.0
MATH 204	Mathematical Concepts for Elementary School Teachers	4.0
HIST 101	World Civilizations to the 16th Century	3.0
	–or–	
HIST 101H	Honors World Civilizations to the 16th Century	3.0
ENGL 102	Literature and Composition	4.0
	–or–	
ENGL 102H	Honors Literature and Composition	4.0
GEOG 100	World Regional Geography	3.0
	–or–	
GEOG 100H	Honors World Regional Geography	3.0
List A - Select one course (4 units)		*4.0*
ENGL C1001	Critical Thinking and Writing	4.0
	–or–	
ENGL C1001H	Critical Thinking and Writing - Honors	4.0
PHIL 110	Critical Thinking	4.0
	–or–	
PHIL 110H	Honors Critical Thinking	4.0
List B - Select one course (3 units)		*3.0*
ART 100	Introduction to Art Concepts	3.0
	–or–	
ART 100H	Honors Introduction to Art Concepts	3.0
DNCE 100	Dance History and Appreciation	3.0
	–or–	
DNCE 100H	Honors Dance History and Appreciation	3.0
MUS 101	Music Appreciation	3.0
	–or–	
MUS 101H	Honors Music Appreciation	3.0
THEA 100	Introduction to Theatre	3.0
		Total: 52.0

Elementary Teacher Education: Integrated Programs: A.A.-T Degree for Transfer

Program Code: SAC.EDETE.AAT

Program Control Number: 46132

The Associate of Arts in Elementary Teacher Education: Integrated Programs for Transfer (A.A.-T in Elementary Teacher Education) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in Liberal Studies and into a multiple subject teaching credential program. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the Associate of Arts in Elementary Teacher Education: Integrated Programs (A.A.-T in Elementary Teacher Education) degree also provides guaranteed admission to the California State University (CSU) system with junior status, although not to a particular campus or major. Upon completion of the Associate of Arts in Elementary Teacher Education: Integrated Programs for Transfer (A.A.-T in Elementary Teacher Education), students will have a strong foundation in introductory content area subject matter requirements for teaching at the elementary school level. Students will also have the opportunity to participate in supervised fieldwork in K-12 settings.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester or 90 quarter units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU-GE (California State University General Education
3. Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for
4. details.
5. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
6. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C"
7. or better.
8. Completion of a minimum of 18 semester or 27 quarter units in the major or area of emphasis.

Learning Outcome(s):

1. Demonstrate proficiency in multiple content areas required for subject matter competency for elementary teachers.
2. Identify the different ways students learn and explore how educators and schools can support learning for every student.

Required Core Courses		*26.0-27.0*
		3.0
EDUC 201	Introduction to Elementary Classroom Teaching	3.0
APED 201	Introduction to Elementary Classroom Teaching	3.0
		3.0
COMM C1000	Introduction to Public Speaking	3.0
COMM C1000H	Introduction to Public Speaking - Honors	3.0
		4.0
ENGL C1000	Academic Reading and Writing	4.0
ENGL C1000H	Academic Reading and Writing - Honors	4.0
		3.0
POLS C1000	American Government and Politics	3.0
POLS C1000H	*American Government and Politics - Honors*	*3.0*
		3.0
HIST C1001	United States History to 1877	3.0
HIST C1001H	United States History to 1877 - Honors	3.0
		3.0
CDEV C1000	Child Growth and Development	3.0
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
PSYC 157	Introduction to Child Psychology	3.0
Biology - students may choose either concepts in Biology or the		
Fundamentals of Biology with the lab course		*4.0*
Concepts in Biology		*4.0*
BIOL 115	Concepts in Biology for Educators	4.0
	–or–	
Fundamentals of Biology Lecture		*3.0*
BIOL 109	Fundamentals of Biology	3.0
BIOL 109H	Honors Fundamentals of Biology	3.0
Biology Lab		*1.0*
BIOL 109L	Fundamentals of Biology Laboratory	1.0
		3.0-4.0
HIST 101	World Civilizations to the 16th Century	3.0
HIST 101H	Honors World Civilizations to the 16th Century	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
ENGL 270	Children's Literature	3.0
List A - Select one course (4-8 units)		*4.0*
		4.0
ERTH 115	Earth Science for Educators	4.0
CHEM 115	Concepts in Physical Sciences for Educators	4.0
PSC 115	Concepts in Physical Sciences for Educators	4.0
List B - Select one course (3 units)		*3.0*
		3.0
ART 100	Introduction to Art Concepts	3.0
ART 100H	Honors Introduction to Art Concepts	3.0
		3.0
DNCE 100	Dance History and Appreciation	3.0
DNCE 100H	Honors Dance History and Appreciation	3.0
		3.0
MUS 101	Music Appreciation	3.0
MUS 101H	Honors Music Appreciation	3.0
THEA 100	Introduction to Theatre	3.0
List C (up to 12 units)		*0-12.0*
		3.0
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
	–or–	
CDEV 110	Child, Family, and Community (DS2)	3.0
EDUC 204	Proficiency in Educational Technologies for Teachers	3.0
ENGL 231	Survey of English Literature I	3.0
ENGL 232	Survey of English Literature II	3.0
ENGL 241	Survey of American Literature 1600-1865	3.0
ENGL 242	Survey of American Literature, 1865-Present	3.0
ENGL 271	Survey of World Literature I	3.0
ENGL 272	Survey of World Literature II	3.0
		3.0
GEOG 100	World Regional Geography	3.0
GEOG 100H	Honors World Regional Geography	3.0
GEOG 102	Cultural Geography	3.0
		3.0
HIST 102	World Civilizations Since the 16th Century	3.0
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
MATH 204	Mathematical Concepts for Elementary School Teachers	4.0
		3.0
PHIL 106	Introduction to Philosophy	3.0
PHIL 106H	Honors Introduction to Philosophy	3.0
PHIL 108	Ethics	3.0
		4.0
PHIL 110	Critical Thinking	4.0
PHIL 110H	Honors Critical Thinking	4.0
		Total: 33.0-46.0

Elementary Teacher Preparation (Pre-Professional): A.A. Degree

Program Code: SAC.EDETP.AA

Program Control Number: 17761

Former Title: Elementary Education (Pre-Professional)

The Associate of Arts degree in Elementary Teacher Preparation (Pre-Professional) is designed to prepare students for transfer to a four-year university to obtain a bachelor's degree and multiple subject teaching credential. Completion of the courses in this degree will partially satisfy the requirements for the California State University integrated and traditional teacher preparation programs. The courses are part of the curriculum that can be started at the community college and completed at the university. The curriculum is designed for students who seek the pre-professional subject matter preparation for elementary school teaching consistent with the standards established by the California Commission on Teacher Credentialing. Additionally, the degree curriculum may serve as preparation for paraprofessional positions in the K-12 classroom by satisfying unit requirements established by law.

Students interested in becoming a K-12 teacher should visit the Center for Teacher Education at SAC (Located in the Counseling Center - Room S-110).

Learning Outcome(s):

1. Identify the different ways students learn and explore how educators and schools can support learning for every student.
2. Demonstrate proficiency in multiple content areas required for subject matter competency for elementary teachers.

Courses		*23.0-23.5*
		3.0
EDUC 201	Introduction to Elementary Classroom Teaching	3.0
APED 201	Introduction to Elementary Classroom Teaching	3.0
		3.0
CDEV C1000	Child Growth and Development	3.0
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
PSYC 157	Introduction to Child Psychology	3.0
		4.0
BIOL 115	Concepts in Biology for Educators	4.0
ERTH 115	Earth Science for Educators	4.0
CHEM 115	Concepts in Physical Sciences for Educators	4.0
PSC 115	Concepts in Physical Sciences for Educators	4.0
		4.0-4.5
MATH 105	Mathematics for Liberal Arts Students	4.0
	–or–	
MATH 204	Mathematical Concepts for Elementary School Teachers	4.0
	–or–	
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
ENGL 270	Children's Literature	3.0
		3.0
HIST C1001	United States History to 1877	3.0
HIST C1001H	United States History to 1877 - Honors	3.0
HIST C1002	United States History since 1865	3.0
HIST C1002H	United States History since 1865 - Honors	3.0
HIST 118	Social and Cultural History of the United States	3.0
HIST 123	African American History to 1865	3.0
HIST 124	Mexican American History in the United States	3.0
HIST 124H	Honors Mexican American History in the United States	3.0
HIST 127	Women in U.S. History	3.0
HIST 146	African American History from 1863 to the Present	3.0
POLS C1000	American Government and Politics	3.0
POLS C1000H	American Government and Politics - Honors	3.0
GEOG 100	World Regional Geography	3.0
GEOG 100H	Honors World Regional Geography	3.0
		3.0
ART 100	Introduction to Art Concepts	3.0
ART 100H	Honors Introduction to Art Concepts	3.0
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
DNCE 100	Dance History and Appreciation	3.0
DNCE 100H	Honors Dance History and Appreciation	3.0
MUS 101	Music Appreciation	3.0
MUS 101H	Honors Music Appreciation	3.0
THEA 100	Introduction to Theatre	3.0
And ONE of the Following:		*3.0*
		3.0
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
APCD 205	Introduction to Children with Disabilities or Delays	3.0
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
APED 204	Proficiency in Educational Technologies for Teachers	3.0
EDUC 204	Proficiency in Educational Technologies for Teachers	3.0
COMM C1000	Introduction to Public Speaking	3.0
COMM C1000H	Introduction to Public Speaking - Honors	3.0
ASIA 150	Introduction to Asian American Studies	3.0
BLST 150	Introduction to African/Black American Studies	3.0
CHST 150	Introduction to Chicana/Chicano Studies	3.0
ETHN 102	The Borderlands: Cultural Context and Intercultural Relations	3.0
ETHN 102H	Honors the Borderlands: Cultural Context and Intercultural Relations	3.0
ETHN 150	Introduction to Ethnic Studies	3.0
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
HIST 133	History of California	3.0
SOC 286	Introduction to LGBTQ+ Studies	3.0
WMNS 286	Introduction to LGBTQ+ Studies	3.0
		Total: 26.0-26.5

Expanded Learning and Recreation Program Leader: Certificate of Achievement

Program Code: SAC.EDELR.CA

Program Control Number: 41704

Former Title: After School Program Associate Teacher

The Expanded Learning and Recreation Program Leader Certificate is intended to provide students with skills necessary to work with TK-12 students in an expanded learning setting, provide tutoring or homework assistance, or assist in academic enrichment programs.

Learning Outcome(s):

1. Demonstrate the advanced skills necessary to work with students in an expanded learning and recreation program that includes knowledge of academic support/enrichment and activity programming.

Courses		*17.0*
		1.0
CNSL 114	Careers in Teaching	1.0
CDEV 114	Careers in Teaching	1.0
		1.0
EDUC 114	Tutoring Reading in Elementary Schools	1.0
APED 114	Tutoring Reading in Elementary Schools	1.0
		3.0
CDEV C1000	Child Growth and Development	3.0
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
PSYC 157	Introduction to Child Psychology	3.0
		3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
		3.0
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
APCD 205	Introduction to Children with Disabilities or Delays	3.0
		3.0
CDEV 120A	Development of the School-Age Child (DS5)	3.0
EDUC 120A	Development of the School-Age Child	3.0
		3.0
CDEV 120B	School-Age Child Care and Recreation Activities (DS5)	3.0
EDUC 120B	School-Age Child Care and Recreation Activities	3.0
APED 120B	School-Age Child Care and Recreation Activities	3.0
		Total: 17.0

Secondary Education (Pre-Professional): Certificate of Achievement

Program Code: SAC.CDSE.CA

Program Control Number: 40528

The Secondary Education (Pre-Professional) Certificate is intended to provide students with skills necessary to work with secondary education students (middle and high school) in an after-school setting, provide tutoring or homework assistance, or assist in academic enrichment programs. This certificate is also pre-professional preparation for students preparing to transfer to a university to earn a bachelor's degree and single subject teaching credential.

Learning Outcome(s):

1. Apply skills necessary to work with secondary education students (middle and high school).

Required Courses		*17.0*
		1.0
CNSL 114	Careers in Teaching	1.0
	–or–	
CDEV 114	Careers in Teaching	1.0
		6.0
CDEV 205	Introduction to Children with Disabilities or Delays	3.0
	–or–	
EDUC 203	Introduction to Children with Disabilities or Delays	3.0
	–or–	
APCD 205	Introduction to Children with Disabilities or Delays	3.0
EDUC 105	Exploration in the Field of Education	3.0
		10.0
EDUC 204	Proficiency in Educational Technologies for Teachers	3.0
	–or–	
APED 204	Proficiency in Educational Technologies for Teachers	3.0
EDUC 210	The Teaching Experience: Secondary Education	3.0
ENGL C1000	Academic Reading and Writing	4.0
		Total: 17.0

ENGINEERING

Engineering: A.S. Degree
Program Code: SAC.ENGR.AS
Program Control Number: 04201

This program provides a basic program of engineering coursework for students planning to transfer to a university engineering program. Students are also advised to communicate with their desired university to determine the specific required coursework to transfer with upperdivision status at their school of choice.

Transfer students are also advised to take job skills courses to improve their employability. Examples include: ENGR 133, 114, 158 (for mechanical majors); 184, 118 (for civil majors); and 131, 133 (for electrical majors).

Students should select courses from the “engineering or engineering-related courses” block based on major:

Mechanical and aerospace engineering majors: ENGR 235, 240, 250, 250L, 280, 125, 103

Civil and environmental engineering majors: ENGR 235, 240, 280, 125, 183; Electrical and computer engineering majors: ENGR 250, 250L, 183; CMPR 120, 121

Learning Outcome(s):

1. apply math and science concepts and techniques to engineering problems
2. solve engineering problems of common lower division engineering courses

Engineering and engineering-related courses (take at least 9 units):		*9.0-11.0*
ENGR 100A	Introduction to Engineering	3.0
ENGR 125	Engineering Graphics	3.0
ENGR 103	Solidworks Beginning Solid Modeling	3.0
ENGR 183	AutoCAD I	4.0
ENGR 235	Statics	3.0
ENGR 240	Dynamics	3.0
ENGR 250	Electric Circuits	3.0
ENGR 250L	Electric Circuits Laboratory	1.0
ENGR 280	Strength of Materials	3.0
CMPR 120	Introduction to Programming	3.0
CMPR 121	Programming Concepts	3.0
Science and math courses:		*21.0*
MATH C2210	Calculus I Early Transcendentals	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
PHYS 217	Engineering Physics I	4.0
PHYS 227	Engineering Physics II	4.0
	–or–	
PHYS 237	Engineering Physics III	4.0
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
		Total: 30.0-32.0

Engineering CAD Drafting: A.S. Degree
Program Code: SAC.ENRCA.AS
Program Control Number: 08720

This program prepares students for employment as a MECHANICAL or CIVIL ENGINEERING COMPUTER-AIDED DESIGN (CAD) DRAFTER, and has a strong focus on teaching industry-standard CAD software in the respective areas. Students select one of two options: (1) MECHANICAL, which focuses on 3D solid modeling CAD like SolidWorks, or (2) CIVIL, which focuses on AutoCAD, Civil 3D, and REVIT.

Suggested additional courses for students seeking more units: Engr 114 (for mechanical); Engr 118, 119 (for civil)

Transfer engineering students may benefit from this program as it teaches essential ENGINEER job skills that may not be taught at the university. Other courses in this program may transfer to the university.

Learning Outcome(s):

1. use CAD software to produce industry-standard models
2. use CAD software to produce industry-standard technical drawings

Required core courses:		*9.0-10.0*
ENGR 100A	Introduction to Engineering	3.0
	–or–	
ENGR 100B	Introduction to Civil Engineering	2.0
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
ENGR 183	AutoCAD I	4.0
Mechanical Option		*12.0-00*
ENGR 103	Solidworks Beginning Solid Modeling	3.0
	–or–	
MNFG 103	Solidworks Beginning Solid Modeling	3.0
ENGR 104	Solidworks Intermediate Solid Modeling	3.0
	–or–	
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
ENGR 105	Solidworks Advanced Solid Modeling	3.0
	–or–	
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
Civil Option		*0.0-14.0*
ENGR 012	Civil/Architectural Blueprint Reading	2.0
ENGR 184	AutoCAD II	4.0
ENGR 185	Civil 3D	4.0
ENGR 154	Revit and Civil Drafting	4.0
		Total: 21.0-24.0

Engineering Civil Drafting and Design: A.S. Degree
Program Code: SAC.ENRCE.AS
Program Control Number: 04212

This program prepares students for employment as a DRAFTER or DESIGNER in the CIVIL ENGINEERING, architecture, or construction fields. Civil drafters create detailed technical drawings of buildings, structures, and various construction projects designed by architects and civil engineers. Civil drafters must be proficient in industry-standard CAD software (AutoCAD, Civil 3D, REVIT) and have knowledge of industry standard drafting practices. Employment is available in private industry and at local and county government agencies.

This program also develops essential job skills for ENGINEERS. Many university engineering programs may not include these job skill courses as part of their curriculum. Other courses in this program may transfer to the university.

If more units are needed to complete the associate degree, it is suggested students also take: ENGR 118, 119 (surveying).

Learning Outcome(s):

1. select and develop engineering careers
2. read and produce industry-standard civil engineering drawings.
3. use a variety of CAD software standard for the civil engineering field

Required core courses:		*23.0-24.0*
ENGR 100A	Introduction to Engineering	3.0
	–or–	
ENGR 100B	Introduction to Civil Engineering	2.0
ENGR 012	Civil/Architectural Blueprint Reading	2.0
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
ENGR 183	AutoCAD I	4.0
ENGR 184	AutoCAD II	4.0
ENGR 185	Civil 3D	4.0
ENGR 154	Revit and Civil Drafting	4.0
		Total: 23.0-24.0

Engineering Civil Technology: A.S. Degree
Program Code: SAC.ENRCT.AS
Program Control Number: 04202

This program prepares students for employment as a CIVIL ENGINEERING TECHNICIAN. Civil engineering technicians assist civil engineers and surveyors to plan, design, and build various infrastructure projects (e.g., highways, bridges, utilities, etc.) as well as commercial, industrial, and residential projects.

Transfer engineering students may benefit from this program as it teaches essential ENGINEER job skills that may not be taught at the university. Other courses in this program may transfer to the university.

Learning Outcome(s):

1. select and develop engineering careers
2. use CAD software to produce industry-standard models and technical drawings.
3. use common land surveying instruments

Required core courses:		*31.0-32.0*
ENGR 100A	Introduction to Engineering	3.0
	–or–	
ENGR 100B	Introduction to Civil Engineering	2.0
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
ENGR 183	AutoCAD I	4.0
ENGR 184	AutoCAD II	4.0
ENGR 185	Civil 3D	4.0
ENGR 118	Surveying	3.0
ENGR 119	Advanced Plane Surveying	3.0
GEOL 101	Dynamic Earth: Introduction to Geology	3.0
GEOL 101L	Dynamic Earth: Introduction to Geology Laboratory	1.0
MATH 162	Trigonometry	4.0
		Total: 31.0-32.0

Engineering Mechanical Drafting and Design: A.S. Degree
Program Code: SAC.ENRDD.AS
Program Control Number: 04203

This program prepares students for employment as a MECHANICAL ENGINEERING DRAFTER or DESIGNER. Mechanical drafters use MCAD (mechanical computer-aided drafting/design) software to create solid models and then detailed technical drawings of machinery or mechanical devices produced by engineers. Mechanical drafters must be proficient in parametric MCAD software and have knowledge of current industry drafting practices. Designers are typically drafters with additional industry experience and training. Designers take generic designs from engineers and add detail to them (e.g., material and fastener selection) using MCAD. Employment is primarily in the private industries such as aerospace, biomedical, industrial, and other manufacturing industries.

This program also develops essential job skills for ENGINEERS. Many university engineering programs may not include these job skill courses as part of their curriculum. Other courses in this program may transfer to the university.

If more units are needed to complete the associate degree, it is suggested students also select courses from the following list: ENGR 184, 131, 133, or trigonometry.

Learning Outcome(s):

1. apply the rules of orthographic projection to create multi-view drawings
2. produce industry-standard models and engineering drawings.
3. effectively use CAD software to produce models and drawings

Required core courses:28.0		
ENGR 100A	Introduction to Engineering	3.0
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
ENGR 183	AutoCAD I	4.0
ENGR 103	Solidworks Beginning Solid Modeling	3.0
	–or–	
MNFG 103	Solidworks Beginning Solid Modeling	3.0
ENGR 104	Solidworks Intermediate Solid Modeling	3.0
	–or–	
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
ENGR 105	Solidworks Advanced Solid Modeling	3.0
	–or–	
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
ENGR 114	Geometric Dimensioning and Tolerancing	3.0
	–or–	
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
ENGR 158	Basic Machining Concepts and Operations	3.0
	–or–	
MNFG 158	Basic Machining Concepts and Operations	3.0
		Total: 28.0

Engineering Mechatronics: A.S. Degree
Program Code: SAC.ENMT.AS
Program Control Number: 08711

This program prepares students for employment as a MECHANICAL ENGINEERING TECHNICIAN or as an engineering technician in the related areas of electro-mechanical, aerospace, biomedical, industrial, or manufacturing. The program focuses on mechatronics – mechanical systems controlled with electronics or computer technology. The program emphasizes hands-on learning and covers: robotics, automation, PLC (programmable logic control), rapid prototyping, micro-controllers like Arduino, sensors, actuators, control systems, testing, measurement, programming, and basic circuits.

Employment is mainly in private manufacturing industries such as the mechanical, aerospace, biomedical, or industrial areas.

This program also develops essential job skills for ENGINEERS. Many university engineering programs may not include these job skill courses as part of their curriculum. Other courses in this program may transfer to the university.

If more units are needed to complete the associate degree (~ 60 units), it is suggested students also select from the following list: CMPR 120 (C programming), CMPR 121 (C programming), ENGR 250L (circuits lab), ENGR 131, 104, and WELD 101.

Learning Outcome(s):

1. design, fabricate, program, and operate mechatronics systems
2. program and operate micro-controllers to obtain sensor data and to control various actuators
3. use various rapid prototyping and/or automation equipment

The associate degree also requires completion of general education coursework per the college catalog

Required core courses:		*20.0*
ENGR 100A	Introduction to Engineering	3.0
ENGR 132	Introduction to Robotics	2.0
ENGR 133	Mechatronics I	3.0
ENGR 134	Mechatronics II	3.0
Solidworks		*3.0*
ENGR 103	Solidworks Beginning Solid Modeling	3.0
	–or–	
MNFG 103	Solidworks Beginning Solid Modeling	3.0
Engineering Drafting		*3.0*
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
Machining Concepts		*3.0*
ENGR 158	Basic Machining Concepts and Operations	3.0
	–or–	
MNFG 158	Basic Conventional Machining Concepts and Operations	3.0
		Total: 20

Engineering CAD Drafting: Certificate of Achievement

Program Code: SAC.ENRCA.CA

Program Control Number: 21773

This program prepares students for employment as a MECHANICAL or CIVIL ENGINEERING COMPUTER-AIDED DESIGN (CAD) DRAFTER, and has a strong focus on teaching industry-standard CAD software in the respective areas. Students select one of two options:

(1) MECHANICAL, which focuses on 3D solid modeling CAD or

(2) CIVIL, which focuses on AutoCAD, Civil 3D, and REVIT.

This program also develops essential job skills for ENGINEERS. Many university engineering programs may not include these job skill courses as part of their curriculum. Other courses in this program may transfer to the university.

Learning Outcome(s):

1. Use CAD software to produce industry-standard models
2. Use CAD software to produce industry-standard technical drawings

Required core courses:		*9.0-10.***0**
ENGR 100A	Introduction to Engineering	3.0
	–or–	
ENGR 100B	Introduction to Civil Engineering	2.0
ENGR 122	Engineering Drawing	3.0
	–or–	3.0
ENGR 125	Engineering Graphics	3.0
ENGR 183	AutoCAD I	4.0
Mechanical Option		*12.0-0.0*
ENGR 103	Solidworks Beginning Solid Modeling	3.0
	–or–	
MNFG 103	Solidworks Beginning Solid Modeling	3.0
ENGR 104	Solidworks Intermediate Solid Modeling	3.0
	–or–	
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
ENGR 105	Solidworks Advanced Solid Modeling	3.0
	–or–	
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
Civil Option		*0.0-14.0*
ENGR 012	Civil/Architectural Blueprint Reading	2.0
ENGR 184	AutoCAD II	4.0
ENGR 185	Civil 3D	4.0
ENGR 154	Revit and Civil Drafting	4.0
		Total: 21.0-24.0

Engineering Civil Drafting and Design: Certificate of Achievement

Program Code: SAC.ENRCE.CA

Program Control Number: 21775

This program prepares students for employment as a DRAFTER or DESIGNER in the CIVIL ENGINEERING, architecture, or construction fields. Civil drafters create detailed technical drawings of buildings, structures, and various construction projects designed by architects and civil engineers.

Civil drafters must be proficient in industry standard CAD software (AutoCAD, Civil 3D, REVIT) and have knowledge of industry-standard drafting practices. Employment is available in private industry and at local and county government agencies.

This program also develops essential job skills for ENGINEERS. Many university engineering programs may not include these job skill courses as part of their curriculum. Other courses in this program may transfer to the university.

Learning Outcome(s):

1. select and develop engineering careers
2. read and produce industry-standard civil engineering drawings
3. use a variety of CAD software standard for the civil engineering field

Required core courses:		*23.0-24.0*
ENGR 100A	Introduction to Engineering	3.0
	–or–	
ENGR 100B	Introduction to Civil Engineering	2.0
ENGR 012	Civil/Architectural Blueprint Reading	2.0
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
ENGR 183	AutoCAD I	4.0
ENGR 184	AutoCAD II	4.0
ENGR 185	Civil 3D	4.0
ENGR 154	Revit and Civil Drafting	4.0
		Total: 23.0-24.0

Engineering Civil Technology: Certificate of Achievement
Program Code: SAC.ENRCT.CA
Program Control Number: 21766

This program prepares students for employment as a CIVIL ENGINEERING TECHNICIAN. Civil engineering technicians assist civil engineers and surveyors to plan, design, and build various infrastructure projects (e.g., highways, bridges, utilities, etc.) as well as commercial, industrial, and residential projects.

Transfer engineering students may benefit from this program as it teaches essential ENGINEER job skills that may not be taught at the university. Other courses in this program may transfer to the university.

Learning Outcome(s):

1. select and develop engineering careers
2. use CAD software to produce industry-standard models and technical drawings.
3. use common land surveying instruments

Required core courses:		*31.0-32.0*
ENGR 100A	Introduction to Engineering	3.0
	–or–	
ENGR 100B	Introduction to Civil Engineering	2.0
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
ENGR 183	AutoCAD I	4.0
ENGR 184	AutoCAD II	4.0
ENGR 185	Civil 3D	4.0
ENGR 118	Surveying	3.0
ENGR 119	Advanced Plane Surveying	3.0
GEOL 101	Dynamic Earth: Introduction to Geology	3.0
GEOL 101L	Dynamic Earth: Introduction to Geology Laboratory	1.0
MATH 162	Trigonometry	4.0
		Total: 31.0-32.0

Engineering Mechanical Drafting and Design: Certificate of Achievement
Program Code: SAC.ENRDD.CA
Program Control Number: 21774

This program prepares students for employment as a MECHANICAL ENGINEERING DRAFTER or DESIGNER. Mechanical drafters use MCAD (mechanical computer-aided drafting/design) software to create solid models and then detailed technical drawings of machinery or mechanical devices produced by engineers. Mechanical drafters must be proficient in parametric MCAD software and have knowledge of current industry drafting practices. Designers are typically drafters with additional industry experience and training. Designers take generic designs from engineers and add detail to them (e.g., material and fastener selection) using MCAD. Employment is primarily in private industries such as aerospace, biomedical, industrial, and other manufacturing industries.

Transfer engineering students may benefit from this program as it teaches essential ENGINEER job skills that may not be taught at the university. Other courses in this program may transfer to the university.

Learning Outcome(s):

1. apply the rules of orthographic projection to create multi-view drawings
2. produce industry-standard models and engineering drawings.
3. effectively use CAD software to produce models and drawings

Required Core Courses:		*28.0*
ENGR 100A	Introduction to Engineering	3.0
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
ENGR 183	AutoCAD I	4.0
ENGR 103	Solidworks Beginning Solid Modeling	3.0
	–or–	
MNFG 103	Solidworks Beginning Solid Modeling	3.0
ENGR 104	Solidworks Intermediate Solid Modeling	3.0
	–or–	
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
ENGR 105	Solidworks Advanced Solid Modeling	3.0
	–or–	
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
ENGR 114	Geometric Dimensioning and Tolerancing	3.0
	–or–	
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
ENGR 158	Basic Machining Concepts and Operations	3.0
	–or–	
MNFG 158	Basic Machining Concepts and Operations	3.0
		Total: 28.0

Engineering Mechatronics: Certificate of Achievement
Program Code: SAC.ENMT.CA
Program Control Number: 21776

This program prepares students for employment as a MECHANICAL ENGINEERING TECHNICIAN or as an engineering technician in the related areas of electro-mechanical, aerospace, biomedical, industrial, or manufacturing. The program focuses on mechatronics – mechanical systems controlled with electronics or computer technology. The program emphasizes hands-on learning and covers: robotics, automation, PLC (programmable logic control), rapid prototyping, micro-controllers like Arduino, sensors, actuators, control systems, testing, measurement, programming, and basic circuits.

Employment is mainly in private manufacturing industries such as the mechanical, aerospace, biomedical, or industrial areas.

This program also develops essential job skills for ENGINEERS. Many university engineering programs may not include these job skill courses as part of their curriculum. Other courses in this program may transfer to the university.

Learning Outcome(s):

1. design, fabricate, program, and operate mechatronics systems
2. program and operate micro-controllers to obtain sensor data and to control various actuators
3. use various rapid prototyping and/or automation equipment

Required core courses:		*11.0*
ENGR 100A	Introduction to Engineering	3.0
ENGR 132	Introduction to Robotics	2.0
ENGR 133	Mechatronics I	3.0
ENGR 134	Mechatronics II	3.0
Solidworks		*3.0*
ENGR 103	Solidworks Beginning Solid Modeling	3.0
	–or–	
MNFG 103	Solidworks Beginning Solid Modeling	3.0
Engineering Drafting		*3.0*
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
Machining Concepts		*3.0*
ENGR 158	Basic Machining Concepts and Operations	3.0
	–or–	
MNFG 158	Basic Conventional Machining Concepts and Operations	3.0
		Total: 20.0

Engineering STEM Core: Certificate of Achievement
Program Code: SAC.ENRSC.CA
Program Control Number: 41540

This program provides a basic program of engineering coursework for students planning to transfer to a university engineering program. For the elective block, students should select based on major:

Mechanical and aerospace engineering majors: ENGR 235, 240, 103

Civil and environmental engineering majors: ENGR 235, 240, 183

Electrical and computer engineering majors: ENGR 250, CMPR 120, CMPR 121

Learning Outcome(s):

1. apply math and science concepts and techniques to engineering problems
2. solve problems of common lower division engineering courses

Science and math courses		*15.0-16.0*
MATH C2210	Calculus I Early Transcendentals	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
PHYS 217	Engineering Physics I	4.0
CHEM 209	Introductory Chemistry	4.0
	–or–	
CMPR 120	Introduction to Programming	3.0
Elective courses (engineering and related) (select 1)		*3.0-5.0*
ENGR 235	Statics	3.0
ENGR 240	Dynamics	3.0
ENGR 250	Electric Circuits	3.0
ENGR 183	AutoCAD I	4.0
ENGR 103	Solidworks Beginning Solid Modeling	3.0
CHEM 219	General Chemistry	5.0
CMPR 121	Programming Concepts	3.0
		Total: 18.0-21.0

Engineering AutoCAD 2D Basics: Certificate of Proficiency
Program Code: SAC.CAD2D.CERT

This program prepares students for entry level DRAFTER positions that require knowledge of AutoCAD, typically in the architectural, civil, construction, and industrial fields. Students will learn to create and edit technical drawings and annotate designs. The program may be completed in less than one year, and it provides a good first step to more advanced drafting technology coursework and programs.

Learning Outcome(s):

1. Effectively use AutoCAD software

Required core courses:		*10.0-11.0*
ENGR 100A	Introduction to Engineering	3.0
	–or–	
ENGR 100B	Introduction to Civil Engineering	2.0
ENGR 183	AutoCAD I	4.0
ENGR 184	AutoCAD II	4.0
		Total: 10.0-11.0

Engineering Mechanical 3D Solid Modeling CAD: Certificate of Proficiency

Program Code: SAC.ENGR3D.CERT

This program prepares students for employment as a MECHANICAL ENGINEERING DRAFTER or DESIGNER. Mechanical drafters use MCAD (mechanical computer-aided drafting/design) software to create solid models and then detailed technical drawings of machinery or mechanical devices designed by engineers. The program focuses on training students on industry-standard MCAD software that is used heavily in the mechanical, aerospace, automotive, industrial, & biomedical engineering fields. Students learn to use the parametric nature of MCAD software to produce changeable models incorporating “design intent” and to produce drawings that conform to industry standards. The skills learned are applicable to drafters, designers, engineering technicians, and engineers in these fields.

Employment is primarily in the private manufacturing industries such as aerospace, biomedical, industrial, and many other manufacturing industries.

This program also develops essential job skills for ENGINEERS. Many university engineering programs may not include these job skill courses as part of their curriculum. Other courses in this program may transfer to the university.

Learning Outcome(s):

1. apply rules of orthographic projection to create multi-view drawings
2. produce industry-standard models and technical drawings
3. effectively use 3D solid modeling CAD software

Required Core Courses:		*15.0*
ENGR 103	Solidworks Beginning Solid Modeling	3.0
ENGR 104	Solidworks Intermediate Solid Modeling	3.0
	–or–	
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
ENGR 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
ENGR 122	Engineering Drawing	3.0
	–or–	
ENGR 125	Engineering Graphics	3.0
		Total: 15.0

ENGLISH

English: A.A.-T Degree for Transfer

Program Code: SAC.ENGL.AAT

Program Control Number: 32436

The Associate in Arts in English for Transfer (A.A.-T in English) prepares students to move into the CSU system leading to a baccalaureate degree in English. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the A.A.-T degree in English also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the A.A.-T in English, students will have demonstrated an general understanding of the academic standards expected of readers and writers of the English language. They will be able to apply critical thinking skills in order to evaluate literary works for their artistic and literary merits as well as analyze them according to various interpretive theories and for the use of literary devices. Students will be able to produce correctly formatted, documented, and cited academic essays that utilize appropriately chosen sources in support of their arguments.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. demonstrate the ability to read and analyze a text, not limited to written fiction.
2. produce a college-level essay addressing the concerns of a given assignment.
3. use appropriately chosen research material that is documented and cited correctly in MLA format.

CORE COURSES Option 1 (8 units) Option 2 (4 units)		*4.0-8.0*
Option 1: Select two (8 units)		
ENGL C1001	Critical Thinking and Writing	4.0
	–or–	
ENGL C1001H	Critical Thinking and Writing - Honors	4.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
Option 2: Select one (4 units)		
ENGL C1003	Critical Thinking and Writing through Literature	4.0
	–or–	
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
List A: Select two (6 units)		*6.0*
ENGL 231	Survey of English Literature I	3.0
ENGL 232	Survey of English Literature II	3.0
ENGL 241	Survey of American Literature 1600-1865	3.0
ENGL 242	Survey of American Literature, 1865-Present	3.0
ENGL 271	Survey of World Literature I	3.0
ENGL 272	Survey of World Literature II	3.0

LIST B: Select courses based on option chosen in CORE COURSES: Option 1: 3 units Option 2: 6 units Any courses from LIST A not already used. Any English course articulated as lower division preparation in the English major at a CSU.		*6.0*
ENGL 213	Creative Writing	3.0
ENGL 220	Survey of the Bible as Literature	3.0
ENGL 233A	Shakespeare's Comedies and Romances	3.0
ENGL 233B	Shakespeare's Tragedies and History Plays	3.0
ENGL 233C	Shakespeare's Theatre	3.0
ENGL 243	The Modern American Novel	3.0
ENGL 245	The Image of African Americans in Literature and Films	3.0
ENGL 246	Survey of Chicano Literature	3.0
ENGL 270	Children's Literature	3.0
ENGL 278	Survey of Literature by Women	3.0
LIST C: Select one (3-5 units)		*3.0-5.0*
Any course from LIST A or B not already used.		
Any CSU transferable English course.		
Any language course other than English that is articulated to fulfill CSU-GE Area C or IGETC Area 3B.		
CHNS 101	Elementary Chinese I	5.0
CHNS 102	Elementary Chinese II	5.0
FREN 101	Elementary French I	5.0
FREN 102	Elementary French II	5.0
FREN 201	Intermediate French I	5.0
FREN 201H	Honors Intermediate French I	5.0
FREN 202	Intermediate French II	5.0
FREN 202H	Honors Intermediate French II	5.0
ITAL 120	Elementary Italian I	5.0
ITAL 121	Elementary Italian II	5.0
ASL 110	American Sign Language I	4.0
ASL 111	American Sign Language II	4.0
ASL 210	American Sign Language III	4.0
SPAN 101	Elementary Spanish I	5.0
SPAN 101H	Honors Elementary Spanish I	5.0
SPAN 102	Elementary Spanish II	5.0
SPAN 102H	Honors Elementary Spanish II	5.0
SPAN 201	Intermediate Spanish I	5.0
SPAN 201H	Honors Intermediate Spanish I	5.0
SPAN 202	Intermediate Spanish II	5.0
SPAN 202H	Honors Intermediate Spanish II	5.0
VIET 101	Elementary Vietnamese I	5.0
VIET 102	Elementary Vietnamese II	5.0
CMSD 121	Introduction to Reporting and Newswriting	3.0
CMSD 110	Introduction to Creative Nonfiction	4.0
BUS 222	Business Writing	3.0
CMST 152	Oral Interpretation	3.0
THEA 100	Introduction to Theatre	3.0
		Total: 19.0-25.0

English: A.A. Degree

Program Code: SAC.ENGL.AA

Program Control Number: 04238

The associate degree curriculum in English is designed to develop proficiency in written communication and in the understanding of human nature through the study of language and literature. Completion of the A.A. Degree in English prepares students to pursue upperdivision studies as an English major focusing on literature, writing, criticism or other related fields. Students wanting to pursue a career in law, politics, education, or communications often choose the A.A. Degree in English because of the emphasis on close reading of texts, strategic employment of language, and strengthened writing skills the program promotes. Because the critical thinking and analytical skills developed as an English major are so versatile, students who may not be sure of their career and/or academic goals might want to consider it.

Learning Outcome(s):

1. employ active reading and critical thinking skills to analyze, respond to, and evaluate various texts.
2. use the writing process to develop polished compositions that align with the intended purpose and audience.
3. use language, sentence structure, and punctuation effectively to convey the intended meaning and tone.
4. locate both primary and secondary sources of information (using the web, the library, and the library databases) and evaluate them for credibility and accuracy.
5. correctly integrate and document sources in MLA format to avoid plagiarism.
6. demonstrate familiarity with major authors, works, genres, literary styles, and literary critical paradigms.

Major requirements for the Associate in Arts degree:		
Course:		*4.0*
ENGL C1003	Critical Thinking and Writing through Literature	4.0
	–or–	
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
Choose six units from these survey courses:		*6.0*
ENGL 231	Survey of English Literature I	3.0
ENGL 232	Survey of English Literature II	3.0
ENGL 241	Survey of American Literature 1600-1865	3.0
ENGL 242	Survey of American Literature, 1865-Present	3.0
ENGL 271	Survey of World Literature I	3.0
ENGL 272	Survey of World Literature II	3.0
Electives from list below:		*9.0*

9 units of electives to be selected from any 200 or above English language or literature class including those above not taken as part of the 6-unit requirement.

Note: Students planning to transfer to 4-year schools should consult with the English departments of those institutions and/or www.assist.org regarding specific lower-division requirements and unit limits.

Total: 19.0

ENTREPRENEURSHIP

Entrepreneurship and Small Business: A.A. Degree
Program Code: SAC.ENTSB.AA
Program Control Number: 08692

Former Title: Entrepreneurship and Innovation

The associate degree in Entrepreneurship and Small Business is designed to give you a thorough understanding of the process to become an entrepreneur. It is designed for those who have thought about starting their own ventures, as well as for those new to business. You will learn to develop and commercialize ideas for new ventures. Small business owners learn to develop resources to be more profitable and sustainable. Classes are practical and hands on providing real-world exposure to cutting-edge innovation and entrepreneurship.

Learning Outcome(s):

1. Students will be able to demonstrate knowledge and skill necessary to grow and sustain an existing business.
2. Students will be able to demonstrate the necessary knowledge to start their own businesses as an entrepreneur.

Core Requirements		*23.0*
BUS 170	Principles of Small Business Management	3.0
ENTR 105	Social Media and Digital Marketing Strategies	3.0
ACCT 120	QuickBooks Online	4.0
Fundamentals Courses		3.0
BUS 100	Fundamentals of Business	3.0
	–or–	
ENTR 100	Introduction to Innovation and Entrepreneurship	3.0
Business Writing for Social Media		1.0
ENTR 130	Business Writing for Social Media	1.0
	–or–	
MKTG 130	Business Writing for Social Media	1.0
Principles of Management		3.0
BUS 120	Principles of Management	3.0
	–or–	
MGMT 120	Principles of Management	3.0
Introduction to E-Commerce		3.0
BUS 127	Introduction to E-Commerce	3.0
	–or–	
MKTG 127	Introduction to E-Commerce	3.0
Communications		3.0
BUS 222	Business Writing	3.0
	–or–	
MGMT 122	Business Communications	3.0
Elective Courses: Select one of the following courses		*3.0*
Electives		*3.0*
BUS 106	Culture and International Business - Kiss, Bow or Shake Hands	3.0
BUS 125	Introduction to International Business	3.0
ENTR 111	Entrepreneur/Business Case Study	3.0
MKTG 111	Principles of Retailing	3.0
MGMT 111	Principles of Retailing	3.0
MKTG 113	Principles of Marketing	3.0
		Total: 26.0

Entrepreneurship and Small Business: Certificate of Achievement
Program Code: SAC.ENTEI.CA
Program Control Number: 21749

Former Title: Entrepreneurship and Innovation

The certificate in Entrepreneurship and Small Business is designed to give you a thorough understanding of the process to become an entrepreneur. It is designed for those who have thought about starting their own ventures, as well as for those new to business. You will learn to develop and commercialize ideas for new ventures. Small business owners learn to develop resources to be more profitable and sustainable. Classes are practical and hands on providing real-world exposure to cutting-edge innovation and entrepreneurship. The required core courses will apply toward an AA degree should you wish to continue your studies after completion.

Learning Outcome(s):

1. Students will be able to start their own businesses and become an entrepreneur.
2. Students will be able to grow and sustain an existing business.

Core Course Requirements: Complete the courses below		*20.0*
ENTR 100	Introduction to Innovation and Entrepreneurship	3.0
BUS 100	Fundamentals of Business	3.0
BUS 170	Principles of Small Business Management	3.0
ENTR 105	Social Media and Digital Marketing Strategies	3.0
ACCT 120	QuickBooks Online	4.0
Business Writing for Social Media		*1.0*
ENTR 130	Business Writing for Social Media	1.0
	OR	
MKTG 130	Business Writing for Social Media	1.0
Introduction to E-Commerce		*3.0*
MKTG 127	Introduction to E-Commerce	3.0
	OR	
BUS 127	Introduction to E-Commerce	3.0
		Total: 20.0

ETHNIC STUDIES

Black Studies: A.A. Degree
Program Code: SAC.BLST.AA
Program Control Number: 08754

The Associate in Arts Degree in Black Studies is intended to provide students with a comparative, trans-disciplinary, multisectoral, and multidimensional analysis of the experiences of persons of African descent in the United States. Students will analyze issues relating to the African/Black American community while developing a critical understanding of American society's African/Black American communities.

Students study the social, cultural, political, economic, and historical narrative of African/Black American communities in the United States to critically analyze issues distinct to race, ethnicity, class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, and/or age while developing a consciousness of the cultural pluralism in American society.

This degree's primary purpose is to present the African/Black American narrative due to being excluded from the overall American experience, American identity, and American definition. The degree provides insight into how African/Black American endured the "American Experience" based on hierarchy, oppression, racialization, ethnocentrism, Eurocentrism, and White supremacy and their continued resistance, social justice, liberation, progression, evolution, healing, resiliency, emphasizing agency and self-affirmation.

Learning Outcome(s):

1. Students will apply a trans-disciplinary approach to the study of African/Black Americans.
2. Students shall analyze and evaluate the social, cultural, and political concepts central to the experiences of African/Black Americans.
3. Students will assess the historical, literary, and artistic contributions of African/Black Americans to American society and culture.
4. Students shall compare and contrast the various approaches and methodologies employed to study the experiences of African/Black Americans.
5. Students will analyze the concepts of economic empowerment and self-determination in relation to the African/Black American community.
6. Students shall analyze the impact of public policy on the African/Black American family, past and present.
7. Students will examine trends in the organization of Black Studies, patterns in courses on the Black experience, African American Studies, the African American experience, issues of Afro-centricity, Africology, Black Power, et cetera.
8. Students shall develop and foster research techniques founded on anti-oppressive,anti-racist, anti-colonial, anti-suppressive, and antirepressive methodologies for participatory research within the African/Black American communities.
9. Students will actively engage with anti-oppressive, anti-racist, anti-colonial, anti-suppressive, anti-repressive, self-determination, liberation, decolonization, sovereignty, and resiliency issues to create practices and movements founded on these ideals within the African/Black American communities.
10. Students shall develop an awareness of resistance, social justice, liberation, progression, evolution, healing, resiliency, emphasizing agency, and self-affirmation.

Course		*18.0*
BLST 150	Introduction to African/Black American Studies	3.0
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
HIST 123	African American History to 1865	3.0
HIST 146	African American History from 1863 to the Present	3.0
ANTH 104	Language and Culture	3.0
	–or–	
ANTH 104H	Honors Language and Culture	3.0
ENGL 245	The Image of African Americans in Literature and Films	3.0
		Total: 18.0

Chicana/Chicano Studies: A.A. Degree

Program Code: SAC.CHST.AA

Program Control Number: 08755

The Associate in Arts Degree in Chicana/Chicano Studies' provides a unique opportunity to serve and understand the Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx community.

The degree offers a curriculum that focuses on the Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx experience through critically analyzing issues distinct to race, ethnicity, class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, and/or age, and cultural expression within the historical and contemporary experiences of Chicanas/Chicanos/Chican@s/Chicanxs/Xicanas/Xicanos/Xicanxs in the United States proper, United States lower, and the Americas.

This Associate in Arts Degree in Chicana/Chicano Studies introduces the field of Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx Studies. It is designed to acquaint students with the most significant social, political, economic, and historical aspects of the Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx experience in the United States.

A trans-disciplinary, multisectoral, and multidimensional approach will be employed to study Chicanas/Chicanos/Chican@s/Chicanxs/Xicanas/Xicanos/Xicanxs various experiences and their contributions to American society and culture. This degree will critically analyze the societal context in which the Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx have sought to maintain their culture and identity.

This Associate in Arts Degree in Chicana/Chicano Studies' primary purpose is to present the Chicanas/Chicanos/Chican@s/Chicanxs/Xicanas/Xicanos/Xicanxs narratives due to being excluded from the overall American experience, American identity, and American definition.

The degree provides insight into how Chicanas/Chicanos/Chican@s/Chicanxs/Xicanas/Xicanos/Xicanxs endured the "American Experience" based on hierarchy, oppression, racialization, ethnocentrism, Eurocentrism, and White supremacy and their continued resistance, social justice, liberation, progression, evolution, healing, resiliency, emphasizing agency and self-affirmation.

This Associate in Arts Degree in Chicana/Chicano Studies establishes a foundation in Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx Studies.

Learning Outcome(s):

1. Students will apply a trans-disciplinary approach to the study of Chicana/Chicano communites.
2. Students shall demonstrate knowledge of the history and contemporary developments in the field of Chicana/Chicano Studies.
3. Students will compare and contrast the various approaches and methodologies employed to study the experiences of the Chicana/Chicano community to correlate shortcomings and successes.
4. Students shall learn key roles the Chicana/Chicano community has played in creating and shaping the United States from inception to present day.
5. Students will unpack, dissect, comprehend, and apply the differences between cultural identifiers (i.e., Chicana/Chicano, American Mexican, Mexican American, Hispanic, et cetera).
6. Students shall analyze the impact of public policy on the Chicana/Chicano family, past and present.
7. Students will analyze and evaluate the social, cultural, and political concepts central to the experiences of the Chicana/Chicano community.
8. Students shall develop and foster research techniques founded on anti-oppressive,anti-racist, anti-colonial, anti-suppressive, and antirepressive methodologies for participatory research within Chicana/Chicano communities.

9. Students will actively engage with anti-oppressive, anti-racist, anti-colonial, anti-suppressive, anti-repressive, self-determination, liberation, decolonization, sovereignty, and resiliency issues to create practices and movements founded on these ideals within Chicana/Chicano communities.
10. Students shall develop an awareness of resistance, social justice, liberation, progression, evolution, healing, resiliency, emphasizing agency, and self-affirmation.

Required		*18.0*
ANTH 105	Ancient Mesoamerican Civilization	3.0
	–or–	
HIST 105	Ancient Mesoamerican Civilization	3.0
ART 104	Mexican and Chicano Art History	3.0
CHST 150	Introduction to Chicana/Chicano Studies	3.0
HIST 124	Mexican American History in the United States	3.0
	–or–	
HIST 124H	Honors Mexican American History in the United States	3.0
HIST 181	Survey of Chicana/Latina Women's History	3.0
ENGL 246	Survey of Chicano Literature	3.0
		Total: 18.0

Ethnic Studies: A.A. Degree

Program Code: SAC.ETHN.AA

Program Control Number: 04255

The Associate in Arts Degree in Ethnic Studies is intended to provide students with a comparative, trans-disciplinary, multisectoral, and multidimensional interpretation of the experiences of Native/First People/Indigenous/American Indian/First Nation American, African/Black American, Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx/Xican@/Latin/Latina/Latino/Latine/Latinx American, and Asian American.

Students study the social, cultural, political, economic, and historical narrative of communities of color in the United States to critically analyze issues distinct to race, ethnicity, class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, and/or age while developing a consciousness of the cultural pluralism in American society.

This degree's primary purpose is to present these four groups' narratives due to being excluded from the overall American experience, American identity, and American definition. The degree provides insight into how these four groups endured the "American Experience" based on hierarchy, oppression, racialization, ethnocentrism, Eurocentrism, and White supremacy and their continued resistance, social justice, liberation, progression, evolution, healing, resiliency, emphasizing agency and self-affirmation.

Learning Outcome(s):

1. Students will gain the ability to work effectively with increasingly diverse populations.
2. Students shall learn to analyze the societal, institutional, and systemic racial impacts of law, politics, culture, and public policy.
3. Students will gain knowledge about diverse human behavior and communities.
4. Students shall develop cultural competency, central to living in and understanding the surrounding world.
5. Students will critically engage with the cultural and intellectual contributions of people of color.
6. Students shall actively critically analyze Ethnic Studies perspectives, theories, and themes.
7. Students will analyze and evaluate the social, cultural, and political concepts central to the experiences of communities of color.
8. Students shall develop and foster research techniques founded on anti-oppressive, anti-racist, anti-colonial, anti-suppressive, and antirepressive methodologies for participatory research with communities of color.
9. Students will actively engage with anti-oppressive, anti-racist, anti-colonial, anti-suppressive, anti-repressive, self-determination, liberation, decolonization, sovereignty, and resiliency issues to create practices and movements founded on these ideals within communities of color.
10. Students shall develop an awareness of resistance, social justice, liberation, progression, evolution, healing, resiliency, emphasizing agency and self-affirmation.

Course		*18.0*
ANTH 105	Ancient Mesoamerican Civilization	3.0
	–or–	
HIST 105	Ancient Mesoamerican Civilization	3.0
	–or–	
ANTH 125	Native Americans in the U.S.	3.0
	–or–	
HIST 125	Native Americans in the U.S.	3.0
ASIA 150	Introduction to Asian American Studies	3.0
BLST 150	Introduction to African/Black American Studies	3.0
CHST 150	Introduction to Chicana/Chicano Studies	3.0
ETHN 150	Introduction to Ethnic Studies	3.0
	–or–	
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
ETHN 102	The Borderlands: Cultural Context and Intercultural Relations	3.0
	–or–	
ETHN 102H	Honors the Borderlands: Cultural Context and Intercultural Relations	3.0
		Total: 18.0

FASHION DESIGN AND MERCHANDISING

Apparel Product Development and Technical Design: A.A. Degree

Program Code: SAC.FDCAP.AA

Program Control Number: 08742

In addition to the general education requirements, this vocational program provides the technical skills and product background necessary to work in apparel jobs such as pattern making, product development, and technical design in ready-to-wear or theater costumes. Emphasis is placed on developing vocational skills including computer applications current to fashion design manufacturing.

Learning Outcome(s):

1. Apply their creative abilities to support their future design careers.
2. Determine the manufacturing process to the appropriate design process.
3. Solve problems at all levels of the design process.

Courses		*34.0-37.0*
FDM 108	RTW Apparel Quality and Construction Analysis	3.0
FDM 109	Flat Pattern Techniques	3.0
FDM 111A	Fashion Illustration Techniques	3.0
FDM 112	Intermediate Flat Pattern Making	3.0
FDM 114	3D Design	3.0
FDM 215	Computer Fashion Illustration	3.0
FDM 100	Introduction to the Fashion Industry	3.0
FDM 104	Textile Fibers and Fabrics	3.0
FDM 105A	Beginning Sewing	3.0
FDM 113	Fashion Draping	3.0
FDM 216	Computerized Garment Pattern Drafting	3.0
FDM 299	Work Experience - Fashion Design	1.0-4.0
Select six units from the following elective courses:		*6.0*
FDM 105B	Intermediate Sewing	3.0
FDM 106	Couture Sewing	3.0
FDM 114C	3D Design- Swimwear	1.0
FDM 114D	3D Design- Denim	1.0
FDM 115	3D Design- Intermediate	3.0
FDM 125	Visual Display Merchandising	3.0
FDM 140	Fashion E-Commerce	3.0
FDM 213	Apparel Line Production	3.0
FDM 052	Knit and Swim Suit Sewing	3.0
FDM 058	Decorative Apparel	0.5
FDM 080	Embroidery	1.5
FDM 081	Screen Printing	1.5
FDM 101	Buying and Merchandising	3.0
FDM 107	Custom Tailoring	2.0
FDM 103	Fashion Selection	3.0
		Total: 40.0-43.0

Fashion Design: A.A. Degree

Program Code: SAC.FDC.AA

Program Control Number: 08739

In addition to the general education requirements, the associate degree curriculum in fashion design provides the basic aesthetic concepts and technical skills necessary for immediate employment in the fashion related fields of design or to transfer to a university program. The program prepares students for entry-level positions in apparel design for custom clients, theater costuming, and manufacturer's operations. Completion of the degree enhances ability to obtain a position and advance in the fashion design field.

Learning Outcome(s):

1. Apply their creative abilities to support their future design careers.
2. Formulate design ideas verbally, visually, and digitally.
3. Utilize various techniques related to drafting, draping, and constructing garments.
4. Design visual materials in both physical and digital formats.

Courses		*28.0-31.0*
FDM 100	Introduction to the Fashion Industry	3.0
FDM 108	RTW Apparel Quality and Construction Analysis	3.0
FDM 109	Flat Pattern Techniques	3.0
FDM 114	3D Design	3.0
FDM 080	Embroidery	1.5
FDM 081	Screen Printing	1.5
FDM 104	Textile Fibers and Fabrics	3.0
FDM 105A	Beginning Sewing	3.0
FDM 111A	Fashion Illustration Techniques	3.0
FDM 215	Computer Fashion Illustration	3.0
FDM 299	Work Experience - Fashion Design	1.0-4.0
Select six units from the following elective courses:		*6.0*
FDM 105B	Intermediate Sewing	3.0
FDM 106	Couture Sewing	3.0
FDM 112	Intermediate Flat Pattern Making	3.0
FDM 114C	3D Design- Swimwear	1.0
FDM 114D	3D Design- Denim	1.0
FDM 115	3D Design- Intermediate	3.0
FDM 107	Custom Tailoring	2.0
FDM 113	Fashion Draping	3.0
FDM 140	Fashion E-Commerce	3.0
	–or–	
ENTR 140	Fashion E-Commerce	3.0
FDM 101	Buying and Merchandising	3.0
FDM 110	Corset Construction	3.0
FDM 058	Decorative Apparel	0.5
FDM 052	Knit and Swim Suit Sewing	3.0
FDM 216	Computerized Garment Pattern Drafting	3.0
FDM 103	Fashion Selection	3.0
		Total: 34.0-37.0

Fashion Merchandising: A.A. Degree

Program Code: SAC.FDM.AA

Program Control Number: 08740

In addition to the general education requirements, the associate degree curriculum in fashion merchandising is designed to prepare students for a career in the fashion industry or to transfer to a university program.

The program places emphasis on preparing students for entry-level positions in such areas as sales, buying, merchandising, promotion, retail management, styling, and fashion forecasting.

Learning Outcome(s):

1. Apply their creative abilities to support their future design careers.
2. Summarize and relate fashion design to a broader socioeconomic context.

Courses		*21.0-24.0*
FDM 100	Introduction to the Fashion Industry	3.0
FDM 108	RTW Apparel Quality and Construction Analysis	3.0
FDM 104	Textile Fibers and Fabrics	3.0
FDM 105A	Beginning Sewing	3.0
FDM 111A	Fashion Illustration Techniques	3.0
FDM 140	Fashion E-Commerce	3.0
BA 188	Microsoft Excel	2.0
FDM 299	Work Experience - Fashion Design	1.0-4.0
Select six units from the following electives:		*6.0*
FDM 102	Promotion and Coordination	3.0
FDM 109	Flat Pattern Techniques	3.0
FDM 114	3D Design	3.0
FDM 125	Visual Display Merchandising	3.0
FDM 215	Computer Fashion Illustration	3.0
FDM 216	Computerized Garment Pattern Drafting	3.0
FDM 101	Buying and Merchandising	3.0
FDM 113	Fashion Draping	3.0
ENTR 120	Introduction to Working as a Freelance Independent Contractor	1.0
ENTR 121	People Skills for the Freelancer	1.0
ENTR 122	Opportunities in Freelance Industries and Trades	1.0
ENTR 123	Marketing to Attract Customers and Grow Your Freelance Business	1.0
ENTR 124	Survival Finance and Accounting for the Freelancer-Show Me the Money	1.0
ENTR 125	Launch Your Freelance Business	1.0
BA 189	Advanced Microsoft Excel	2.0
FDM 103	Fashion Selection	3.0
		Total: 27.0-30.0

3D Fashion Design: Certificate of Achievement

Program Code: SAC.FD3DD.CA

Program Control Number: 40527

This certificate program provides students with the technical skills needed for three dimensional fashion design, three dimensional illustration, and three dimensional pattern design.

Learning Outcome(s):

1. create three dimensional digital fashion illustrations
2. create flat patterns in three dimensional software

Degree Requirements		*20.0*
FDM 109	Flat Pattern Techniques	3.0
FDM 114	3D Design	3.0
FDM 115	3D Design- Intermediate	3.0
FDM 112	Intermediate Flat Pattern Making	3.0
FDM 114C	3D Design- Swimwear	1.0
FDM 114D	3D Design- Denim	1.0
FDM 111A	Fashion Illustration Techniques	3.0
FDM 216	Computerized Garment Pattern Drafting	3.0
		Total: 20.0

Apparel Product Development and Technical Design: Certificate of Achievement

Program Code: SAC.FDCAP.CA

Program Control Number: 21792

This certificate program provides the technical skills and product background necessary to work in apparel jobs such as pattern making, product development, and technical design in ready-to-wear or theater costumes.

Emphasis is placed on developing vocational skills including computer applications current to fashion design manufacturing.

Learning Outcome(s):

1. Apply their creative abilities to support their future design careers.
2. Determine the manufacturing process to the appropriate design process.
3. Solve problems at all levels of the design process.

Courses:		*34.0-37.0*
FDM 100	Introduction to the Fashion Industry	3.0
FDM 104	Textile Fibers and Fabrics	3.0
FDM 105A	Beginning Sewing	3.0
FDM 108	RTW Apparel Quality and Construction Analysis	3.0
FDM 109	Flat Pattern Techniques	3.0
FDM 111A	Fashion Illustration Techniques	3.0
FDM 112	Intermediate Flat Pattern Making	3.0
FDM 114	3D Design	3.0
FDM 215	Computer Fashion Illustration	3.0
FDM 113	Fashion Draping	3.0
FDM 216	Computerized Garment Pattern Drafting	3.0
FDM 299	Work Experience - Fashion Design	1.0-4.0
Select six units from the following elective courses:		*6.0*
FDM 101	Buying and Merchandising	3.0
FDM 102	Promotion and Coordination	3.0
FDM 106	Couture Sewing	3.0
FDM 105B	Intermediate Sewing	3.0
FDM 114C	3D Design- Swimwear	1.0
FDM 114D	3D Design- Denim	1.0
FDM 115	3D Design- Intermediate	3.0
FDM 125	Visual Display Merchandising	3.0
FDM 140	Fashion E-Commerce	3.0
FDM 213	Apparel Line Production	3.0
FDM 052	Knit and Swim Suit Sewing	3.0
FDM 058	Decorative Apparel	0.5
FDM 080	Embroidery	1.5
FDM 081	Screen Printing	1.5
FDM 107	Custom Tailoring	2
		Total: 40.0-43.0

Dressmaking and Alterations Option: Certificate of Achievement

Program Code: SAC.FDCDA.CA

Program Control Number: 10667

The certificate in Dressmaking and Alteration prepares students for employment in the alterations department of department stores or for the operation of their own business in dressmaking, tailoring, and alterations.

Learning Outcome(s):

1. Apply their creative abilities to support their future design careers.
2. Create garments utilizing various techniques related to drafting, draping, and constructing garments.

Required Courses:		*31.0*
FDM 104	Textile Fibers and Fabrics	3.0
FDM 105A	Beginning Sewing	3.0
FDM 107	Custom Tailoring	2.0
FDM 110	Corset Construction	3.0
FDM 113	Fashion Draping	3.0
FDM 212	Advanced Draping	2.0
FDM 105B	Intermediate Sewing	3.0
FDM 106	Couture Sewing	3.0
FDM 109	Flat Pattern Techniques	3.0
FDM 112	Intermediate Flat Pattern Making	3.0
FDM 052	Knit and Swim Suit Sewing	3.0
Select 3 units from the following:		*3.0*
FDM 105AL	Beginning Sewing Laboratory	0.5-3
FDM 058	Decorative Apparel	0.5
FDM 080	Embroidery	1.5
FDM 081	Screen Printing	1.5
FDM 111A	Fashion Illustration Techniques	3.0
FDM 140	Fashion E-Commerce	3.0
FDM 213	Apparel Line Production	3.0
FDM 216	Computerized Garment Pattern Drafting	3.0
FDM 299	Work Experience - Fashion Design	1.0-4.0
		Total: 34.0

Fashion Design: Certificate of Achievement

Program Code: SAC.FDC.CA

Program Control Number: 21790

The certificate curriculum in fashion design provides the basic aesthetic concepts and technical skills necessary for immediate employment in the fashion related fields of design. The program prepares students for entry-level positions in apparel design for custom clients, theater costuming, and manufacturer's operations. Completion of the certificate enhances ability to obtain a position and advance in the fashion design field.

Learning Outcome(s):

1. Apply their creative abilities to support their future design careers.
2. Formulate design ideas verbally, visually, and digitally.
3. Utilize various techniques related to drafting, draping, and constructing garments.
4. Design visual materials in both physical and digital formats.

Courses		*28.0-31.0*
FDM 100	Introduction to the Fashion Industry	3.0
FDM 108	RTW Apparel Quality and Construction Analysis	3.0
FDM 109	Flat Pattern Techniques	3.0
FDM 114	3D Design	3.0
FDM 080	Embroidery	1.5
FDM 081	Screen Printing	1.5
FDM 104	Textile Fibers and Fabrics	3.0
FDM 105A	Beginning Sewing	3.0
FDM 111A	Fashion Illustration Techniques	3.0
FDM 215	Computer Fashion Illustration	3.0
FDM 299	Work Experience - Fashion Design	1.0-4.0
Select six units from the following elective courses:		*6.0*
FDM 106	Couture Sewing	3.0
FDM 114C	3D Design- Swimwear	1.0
FDM 114D	3D Design- Denim	1.0
FDM 115	3D Design- Intermediate	3.0
FDM 125	Visual Display Merchandising	3.0
FDM 213	Apparel Line Production	3.0
FDM 052	Knit and Swim Suit Sewing	3.0
FDM 058	Decorative Apparel	0.5
FDM 101	Buying and Merchandising	3.0
FDM 105B	Intermediate Sewing	3.0
FDM 107	Custom Tailoring	2.0
FDM 110	Corset Construction	3.0
FDM 113	Fashion Draping	3.0
FDM 216	Computerized Garment Pattern Drafting	3.0
FDM 140	Fashion E-Commerce	3.0
ENTR 140	Fashion E-Commerce	3.0
		Total: 34.0-37.0

Fashion Merchandising: Certificate of Achievement
Program Code: SAC.FDM.CA
Program Control Number: 21791

The certificate curriculum in fashion merchandising is designed to prepare students for a career in the fashion industry. The program places emphasis on preparing students to enter entry level positions in such areas as sales, buying, merchandising, promotion, retail management, styling, and fashion forecasting.

Learning Outcome(s):

1. Apply their creative abilities to support their future design careers.
2. Summarize and relate fashion design to a broader socioeconomic context.

Courses		*21.0-24.0*
FDM 108	RTW Apparel Quality and Construction Analysis	3.0
FDM 100	Introduction to the Fashion Industry	3.0
FDM 104	Textile Fibers and Fabrics	3.0
FDM 105A	Beginning Sewing	3.0
FDM 111A	Fashion Illustration Techniques	3.0
FDM 140	Fashion E-Commerce	3.0
BA 188	Microsoft Excel	2.0
FDM 299	Work Experience - Fashion Design	1.0-4.0
Select six units from the following electives:		*6.0*
FDM 109	Flat Pattern Techniques	3.0
FDM 114	3D Design	3.0
FDM 125	Visual Display Merchandising	3.0
FDM 215	Computer Fashion Illustration	3.0
FDM 216	Computerized Garment Pattern Drafting	3.0
FDM 101	Buying and Merchandising	3.0
FDM 113	Fashion Draping	3.0
ENTR 120	Introduction to Working as a Freelance Independent Contractor	1.0
ENTR 121	People Skills for the Freelancer	1.0
ENTR 122	Opportunities in Freelance Industries and Trades	1.0
ENTR 123	Marketing to Attract Customers and Grow Your Freelance Business	1.0
ENTR 124	Survival Finance and Accounting for the Freelancer-Show Me the Money	1.0
ENTR 125	Launch Your Freelance Business	1.0
BA 189	Advanced Microsoft Excel	2.0
		Total: 27.0-30.0

Screen Printing and Embroidery: Certificate of Proficiency
Program Code: SAC.FDSPE.CERT

This certificate curriculum is designed to prepare students for entry level positions in screen printing and embroidery shops.

Learning Outcome(s):

1. Apply their creative abilities to support their future design careers.
2. Create screen printed and embroidered garments in the physical format.
3. Utilize various equipment and software related to screen printing and embroidery.

Courses		*13.5*
FDM 111A	Fashion Illustration Techniques	3.0
FDM 215	Computer Fashion Illustration	3.0
FDM 080	Embroidery	1.5
FDM 081	Screen Printing	3.0
FDM 082	Screen Printing Advanced Techniques	3.0
		Total: 13.5

Swimwear Design: Certificate of Proficiency
Program Code: SAC.FDSD.CERT

This certificate curriculum is designed to prepare students for entry level design and product development positions in southern California's swimwear industry.

Learning Outcome(s):

1. Apply their creative abilities to support their future design careers.
2. Design knit garments in both physical and digital formats

Courses		*15.0*
FDM 105A	Beginning Sewing	3.0
FDM 111A	Fashion Illustration Techniques	3.0
FDM 052	Knit and Swim Suit Sewing	3.0
FDM 114	3D Design	3.0
FDM 215	Computer Fashion Illustration	3.0
		Total: 15.0

FIRE TECHNOLOGY

Administrative Fire Services Chief Officer: A.S. Degree
Program Code: SAC.FTCO.AS
Program Control Number: 10549

The Administrative Fire Services Chief Officer Degree is designed to prepare students for careers as chief officers. This program meets the requirements of the California Fire Chiefs' Association and the Chief Fire Officer Certification track of the California State Fire Marshal. Transcript evaluation may allow up to a maximum of 18 units of credit for previous fire service education. If Fire Technology 121 is completed as an elective with a "C" or better grade and FTC 121L is completed with a "pass," it may be used to satisfy the requirements for section F of the general education requirements for graduation.

Student must complete the general education requirements as outlined in the appropriate catalog.

Learning Outcome(s):

1. Meet the occupational standards for California State Fire Training's Chief Fire Officer Certification.
2. Carry out the job performance requirements as listed in NFPA 1021 Standard for Fire Officer Professional Qualifications (2014).
3. Perform the job performance requirements of NFPA 1051 Standard for Wildland Fire Fighter Professional Qualifications (2016)

Core Course Requirements		*9.5*
FOT 032	ICS-300 Intermediate ICS	0.5
FOT 150A	Company Officer 2A: Human Resource Management for Company Officers	1.0
FOT 150B	Company Officer 2B: General Administration Functions for Company Officers	0.5
FOT 150C	Company Officer 2C: Fire Inspections and Investigations	1.5
FOT 150D	Company Officer 2D: All-Risk Command Operations for Company Officers	1.0
FOT 150E	Company Officer 2E: Wildland Incident Operations for Company Officers	1.5
FOT 205	Instructor I: Instructional Methodology	1.0
FOT 273A	Chief Fire Officer 3A: Human Resource Management for Chief Fire Officers	0.5
FOT 273B	Chief Fire Officer 3B: Budget and Fiscal Responsibilities for Chief Fire Officers	0.5
FOT 273C	Chief Fire Officer 3C: General Administration Functions	0.5
FOT 273D	Chief Fire Officer 3D: Emergency Service DeliveryResponsibilities for Chief Fire Officers	1.0

Electives		*3.5-13.0*
In addition, select a minimum of 3.5-13 units from the following list (classes in this area may be substituted with similar classes).		
FOT 008A	S-339 Division/Group Supervisor All Risk	0.5
FOT 033	ICS-400 Incident Command	0.5
FOT 044	Fire Investigation 1A: Fire Origin and Cause Determination	0.5
FAC 060A	Basic Fire Academy- Fire Fighter 1A Structure	10.0
FAC 060B	Firefighter 1B - Hazardous Materials / WMD	1.0
FAC 060C	Firefighter 1C - Wildland Firefighter 1	2.0
FTC 102	Fire Behavior and Combustion	3.0
FTC 103	Principles of Fire and Emergency Services Safety and Survival	3.0
FTC 104	Fire Prevention	3.0
FTC 105	Building Construction for Fire Protection	3.0
FTC 106	Fire Protection Systems	3.0
FTC 121L	Physical Fitness for Public Safety Personnel - Performance and Assessment	0.3
FTC 121	Physical Fitness for Public Safety Personnel	3.0
FOT 130A	Fire Inspector 1A: Duties and Administration	1.5
FOT 130B	Fire Inspector 1B: Introduction to Fire and Life Safety	1.5
FOT 130C	Fire Inspector 1C: Field Inspection	1.5
FOT 206	Instructor II: Instructional Development	1.0
		Total: 13.0-22.5

Fire Administration Option: A.S. Degree

Program Code: SAC.FTFA.AS

Program Control Number: 08747

The degree program in fire administration is designed to prepare students for careers as fire service officers. The program meets requirements of the California State Board of Fire Services Certified Company Officer and college or university preparation. Transcript evaluation may allow up to a maximum of 18 units of credit for previous fire service education. If Fire Technology 121 is completed as an elective with a "C" or better grade and FTC 121L is completed with a "pass," it may be used to satisfy the requirements of section F of the general education requirements for graduation.

Student must complete the general education requirements as outlined in the appropriate catalog.

Learning Outcome(s):

1. Demonstrate the ability to manage all-risk emergency incidents at the Fire Officer level.
2. Apply leadership and management theories and decision-making models as they relate to the local, state and federal standards and practices.
3. Analyze complex emergency response scenarios and effectively identify strategies and tactics for successful mitigation.

Core Courses- Complete all courses listed below.		*10.8*
FOT 016	CSFA Terrorism	0.3
FOT 032	ICS-300 Intermediate ICS	0.5
FOT 033	ICS-400 Incident Command	0.5
FOT 150A	Company Officer 2A: Human Resource Management for Company Officers	1.0
FOT 150B	Company Officer 2B: General Administration Functions for Company Officers	0.5
FOT 150C	Company Officer 2C: Fire Inspections and Investigations	1.5
FOT 150D	Company Officer 2D: All-Risk Command Operations for Company Officers	1.5
FOT 150E	Company Officer 2E: Wildland Incident Operations for Company Officers	1.5
FOT 205	Instructor I: Instructional Methodology	1.0
FOT 273A	Chief Fire Officer 3A: Human Resource Management for Chief Fire Officers	0.5
FOT 273B	Chief Fire Officer 3B: Budget and Fiscal Responsibilities for Chief Fire Officers	0.5
FOT 273C	Chief Fire Officer 3C: General Administration Functions	0.5
FOT 273D	Chief Fire Officer 3D: Emergency Service Delivery Responsibilities for Chief Fire Officers	1.0
Core Electives		*9.0-10.0*
In addition, select a minimum of 9 units from the following list (classes in this area may be substituted with similar classes).		
FTC 102	Fire Behavior and Combustion	3.0
FTC 103	Principles of Fire and Emergency Services Safety and Survival	3.0
FTC 104	Fire Prevention	3.0
FTC 105	Building Construction for Fire Protection	3.0
FTC 106	Fire Protection Systems	3.0
FTC 121	Physical Fitness for Public Safety Personnel	3.0
FTC 121L	Physical Fitness for Public Safety Personnel - Performance and Assessment	0.3
FAC 060A	Basic Fire Academy- Fire Fighter 1A Structure	10.0
FAC 060B	Firefighter 1B - Hazardous Materials / WMD	1.0
FAC 060C	Firefighter 1C - Wildland Firefighter 1	2.0
		Total: 19.8-20.8

Fire Prevention Officer: A.S. Degree

Program Code: SAC.FTPO.AS

Program Control Number: 08749

The Fire Prevention Officer Degree is designed to prepare students as Fire Protection Engineering Technicians and as staff assistants to Fire Protection Engineers; to enable fire department personnel to upgrade skills in the area of fire prevention; to give architects, engineers and persons from other disciplines an opportunity to expand their knowledge of building, life safety and fire protection. Student must complete the general education requirements as outlined in the appropriate catalog.

Learning Outcome(s):

1. Perform skills that meet National Fire Protection Association Standard 1031 for Fire Inspector, California State Fire Marshal Standards for Fire Inspector and International Code Council-Fire Inspector.
2. Analyze, evaluate, and develop mitigation plans for emergency and hazardous conditions that are inherent to Fire Prevention.
3. Demonstrate written and verbal communication skills, basic math skills, public relations skills and ethical decision making skills required for the occupation of Fire Inspector.

Fire Technology Courses. Complete all of the courses listed below.		*15.0*
FTC 101	Fire Protection Organization	3.0
FTC 102	Fire Behavior and Combustion	3.0
FTC 104	Fire Prevention	3.0
FTC 105	Building Construction for Fire Protection	3.0
FTC 106	Fire Protection Systems	3.0
Fire Officer Courses. Complete all of the courses listed below.		*11.0*
FOT 130A	Fire Inspector 1A: Duties and Administration	1.5
FOT 130B	Fire Inspector 1B: Introduction to Fire and Life Safety	1.5
FOT 130C	Fire Inspector 1C: Field Inspection	1.5
FOT 130D	Fire Inspector 1D: Field Inspector	1.0
FOT 136	Fire Inspector 2A: Fire Prevention Administration	1.0
FOT 137	Fire Inspector 2B: Fire and Life Safety Requirements	1.5
FOT 138	Fire Inspector 2C: Inspecting Fire & Life Safety Systems and Equip.	1.0
FOT 139	Fire Inspector 2D: Hazardous Materials, Operations, and Processes	2.0
		Total: 26.0

Public Fire Service Option: A.S. Degree
Program Code: SAC.FTPFS.AS
Program Control Number: 08752

Students completing the Public Service Option Degree are prepared for employment as volunteer, paid-on-call, part-time, or full-time firefighters. Through a combination of professional education and technical training, students develop the knowledge and skills needed to perform essential and advanced fireground tasks. Students learn to use, inspect, and maintain fire fighting and rescue equipment; and perform basic rescue operations and fire prevention and investigation tasks. As they advance through the program students are provided with numerous opportunities to earn professional certificates and industry-recognized credentials.

Students successfully completing the program receive state, national, and international Firefighter 1 Certification through the California Office of the State Fire Marshal, IFSAC *(International Fire Service Accreditation Congress)* and Pro Board accrediting agencies.

Major Requirements for A.S. Degree

1. Meet all of the pre-academy requirements listed. Copies of documentation must be submitted to the Fire Technology Office.
   - CPR/First Aid- current certification
   - NREMT- current certification
   - Biddle Physical Ability Test- certificate of completion
   - NFPA 1582 Medical Clearance - dated within 2 years of academy participation
2. Complete all Fire Technology coursework listed below with a grade of C or better
3. Complete the Fire Academy: FAC 007 and FAC 060A-C with grades of 80% or better.
4. Pass the National Firefighter I Exams.
5. Complete all General Education Coursework.

Learning Outcome(s):

1. Demonstrate the occupational knowledge and technical skills needed to perform the duties of a Firefighter I which is based upon NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019) and California State Fire Training's Fire Fighter 1 (2019).
2. Demonstrate the occupational knowledge and technical skills required to carry out the duties of a Wildland Firefighter, based upon NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016).
3. Demonstrate the occupational knowledge and technical skills needed to carry out the duties of Haz Mat/WMD Emergency Responder based upon NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017).

Pre-Academy Requirements		*0.1*
Current Public Safety First Aid and CPR (minimum) as defined by California Health and Safety Code, Section1797.182		
FAC 008	Biddle Physical Ability Test (PAT)	0.1
Current National Registry Emergency Medical Technician (NREMT) Certification		
NFPA 1582 Medical Clearance from a qualified physician dated within 2 years of Fire Academy participation.		
Fire Technology Courses		*21.3*
FTC 101	Fire Protection Organization	3.0
FTC 102	Fire Behavior and Combustion	3.0
FTC 103	Principles of Fire and Emergency Services Safety and Survival	3.0
FTC 104	Fire Prevention	3.0
FTC 105	Building Construction for Fire Protection	3.0
FTC 106	Fire Protection Systems	3.0
FTC 121	Physical Fitness for Public Safety Personnel	3.0
FTC 121L	Physical Fitness for Public Safety Personnel - Performance and Assessment	0.3
Fire Academy Courses		*15.0*
FAC 007	Strength and Conditioning for the Fire Service	2.0
FAC 060A	Basic Fire Academy- Fire Fighter 1A Structure	10.0
FAC 060B	Firefighter 1B - Hazardous Materials / WMD	1.0
FAC 060C	Firefighter 1C - Wildland Firefighter 1	2.0
		Total: 36.4

Fire Administration Option: Certificate of Achievement
Program Code: SAC.FTFA.CA
Program Control Number: 21797

The certificate program in fire administration is designed to prepare students for careers as fire service officers. The program meets requirements of the California State Board of Fire Services Company Officer and college or university preparation. Transcript evaluation may allow up to a maximum of 18 units of credit for previous fire service education.

Learning Outcome(s):

1. Demonstrate the ability to manage all-risk emergency incidents at the Fire Officer level.
2. Apply leadership and management theories and decision-making models as they relate to the local, state and federal standards and practices.
3. Analyze complex emergency response scenarios and effectively identify strategies and tactics for successful mitigation.

Core Courses - Complete all courses listed below.		*6.5*
FOT 150A	Company Officer 2A: Human Resource Management for Company Officers	1.0
FOT 150B	Company Officer 2B: General Administration Functions for Company Officers	0.5
FOT 150C	Company Officer 2C: Fire Inspections and Investigations	1.5
FOT 150D	Company Officer 2D: All-Risk Command Operations for Company Officers	1.0
FOT 150E	Company Officer 2E: Wildland Incident Operations for Company Officers	1.5
FOT 205	Instructor I: Instructional Methodology	1.0
Core Electives- Complete a minimum of 9 units from the courses listed below.		*9.0-10.0*
FTC 102	Fire Behavior and Combustion	3.0
FTC 103	Principles of Fire and Emergency Services Safety and Survival	3.0
FTC 104	Fire Prevention	3.0
FTC 105	Building Construction for Fire Protection	3.0
FTC 106	Fire Protection Systems	3.0
FTC 121	Physical Fitness for Public Safety Personnel	3.0
FTC 121L	Physical Fitness for Public Safety Personnel - Performance and Assessment	0.3
FAC 060A	Basic Fire Academy- Fire Fighter 1A Structure	10.0
FAC 060B	Firefighter 1B - Hazardous Materials / WMD	1.0
FAC 060C	Firefighter 1C - Wildland Firefighter 1	2.0
Electives - Complete a minimum of 4.8 units from the courses listed below.		*4.8*
FOT 008A	S-339 Division/Group Supervisor All Risk	0.5
FOT 016	CSFA Terrorism	0.3
FOT 032	ICS-300 Intermediate ICS	0.5
FOT 033	ICS-400 Incident Command	0.5
FOT 044	Fire Investigation 1A: Fire Origin and Cause Determination	0.5

FOT 045	Fire Investigation 1B: Techniques of Fire Investigation	0.5
FAC 062	Basic Incident Command Systems	0.3
FOT 078	S-230 Crew Boss (Single Resource)	0.4-0.5
FOT 079	S-404 Safety Officer	0.5
FAC 079B	AH-330 Strike Team/Task Force Leader – All Hazards (32 Hours)	1.0
FAC 079D	S-440 Planning Section Chief	0.5
FAC 084A	Hazardous Materials First Responder Operational, Decontamination	0.3
FOT 130A	Fire Inspector 1A: Duties and Administration	1.5
FOT 130B	Fire Inspector 1B: Introduction to Fire and Life Safety	1.5
FOT 130C	Fire Inspector 1C: Field Inspection	1.5
FOT 130D	Fire Inspector 1D: Field Inspector	1.0
FOT 206	Instructor II: Instructional Development	1.0
FOT 210	Community Risk Educator	1.0
		Total: 20.3-21.3

Fire Prevention Officer: Certificate of Achievement

Program Code: SAC.FTPO.CA

Program Control Number: 17350

The Fire Prevention Officer Certificate is designed to prepare students as Fire Inspectors and as staff assistants to Fire Protection Engineers; to enable fire department personnel to upgrade skills in the area of prevention; and to give architects, engineers and persons from other disciplines an opportunity to expand their knowledge of building, life safety, and fire protection. This certificate program meets the partial requirements of the California State Board of Fire Services Certified Fire Inspector I and college or university preparation.

Learning Outcome(s):

1. Demonstrate written and verbal communication skills, basic math skills, public relations skills and ethical decision making skills required for the occupation of Fire Inspector.
2. Analyze, evaluate, and develop mitigation plans for emergency and hazardous conditions that are inherent to Fire Prevention.
3. Perform skills that meet National Fire Protection Association Standard 1031 for Fire Inspector, California State Fire Marshal Standards for Fire Inspector and International Code Council-Fire Inspector

Fire Technology Courses:		*15.0*
Complete all courses listed below.		
FTC 101	Fire Protection Organization	3.0
FTC 102	Fire Behavior and Combustion	3.0
FTC 104	Fire Prevention	3.0
FTC 105	Building Construction for Fire Protection	3.0
FTC 106	Fire Protection Systems	3.0
Fire Officer Courses:		*5.5*
Complete all courses listed below.		
FOT 130A	Fire Inspector 1A: Duties and Administration	1.5
FOT 130B	Fire Inspector 1B: Introduction to Fire and Life Safety	1.5
FOT 130C	Fire Inspector 1C: Field Inspection	1.5
FOT 130D	Fire Inspector 1D: Field Inspector	1.0
		Total: 20.5

Public Fire Service Option: Certificate of Achievement

Program Code: SAC.FTPFS.CA

Program Control Number: 21798

Students completing the Public Service Option Certificate are prepared for employment as volunteer, paid-on-call, part-time, or full-time firefighters. Through a combination of professional education and technical training, students develop the knowledge and skills needed to perform essential and advanced fireground tasks. Students learn to use, inspect, and maintain firefighting and rescue equipment; and perform basic rescue operations and fire prevention and investigation tasks. As they advance through the program students are provided with numerous opportunities to earn professional certificates and industry-recognized credentials.

Students successfully completing the program receive state and national Fire Fighter 1 Certification through the California Office of the State Fire Marshal, IFSAC *(International Fire Service Accreditation Congress)* and Pro Board accrediting agencies.

Major Requirements for Certificate

Fire Academy registration requires the approval of the Fire Technology Office. Prior to registering for the Fire Academy (FAC 060A, 060B or 060C), a student must

1. Open a Student File in the Fire Technology Office after completing FTC 101 and FTC 102 with a grade of C or better.
2. Meet all of the pre-academy requirements listed including. Copies of documentation must be submitted to the Fire Technology Office.
    1. CPR/First Aid- current certification
    2. NREMT- current certification
    3. Biddle Physical Ability Test- certificate of completion
    4. NFPA 1582 Medical Clearance - dated within 2 years of academy participation
3. Complete all Fire Technology coursework listed below with a grade of C or better.

Learning Outcome(s):

1. Demonstrate the occupational knowledge and technical skills needed to perform the duties of a Fire Fighter I which is based upon NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019) and California State Fire Training's Fire Fighter 1 (2019).
2. Demonstrate the occupational knowledge and technical skills required to carry out the duties of a Wildland Firefighter, based upon NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016).
3. Demonstrate the occupational knowledge and technical skills needed to carry out the duties of Haz Mat/WMD Emergency Responder based upon NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017).

Pre-Academy Requirements		*0.1*

- Current Public Safety First Aid and CPR (minimum) as defined by California Health and Safety Code, Section 1797.182
- Current National Registry Emergency Medical Technician (NREMT) Certification
- NFPA 1582 Medical Clearance from a qualified physician dated within 2 years of Fire Academy participation.

FAC 008	Biddle Physical Ability Test (PAT)	0.1

Fire Technology Courses		*21.3*
FTC 101	Fire Protection Organization	3.0
FTC 102	Fire Behavior and Combustion	3.0
FTC 103	Principles of Fire and Emergency Services Safety and Survival	3.0
FTC 104	Fire Prevention	3.0
FTC 105	Building Construction for Fire Protection	3.0
FTC 106	Fire Protection Systems	3.0
FTC 121	Physical Fitness for Public Safety Personnel	3.0
FTC 121L	Physical Fitness for Public Safety Personnel - Performance and Assessment	0.3
Fire Academy Courses		*15.0*
FAC 007	Strength and Conditioning for the Fire Service	2.0
FAC 060A	Basic Fire Academy- Fire Fighter 1A Structure	10.0
FAC 060B	Firefighter 1B - Hazardous Materials / WMD	1.0
FAC 060C	Firefighter 1C - Wildland Firefighter 1	2.0
		Total: 36.4

Fire Service Core Competencies: Certificate of Proficiency

Program Code: SAC.FTFS.CERT

This certificate documents extensive coursework on the part of the recipient in fire and emergency services organization, fire behavior, fire prevention, building construction, and fire protection systems and equipment. Completion of this curriculum provides students with fundamental knowledge of fire department operations, organization and basic fire prevention methods and techniques.

Learning Outcome(s):

- Define fire department organization, culture, and methods of communication of entry level fire department personnel.
- Describe fire chemistry and behavior for the purpose of predicting fire dynamics and flame spread characteristics.
- Demonstrate knowledge of the types of construction. Identify the components and hazards related to each type.
- Identify components of built-in and portable fire protections systems and alarm and notification devises.
- Demonstrate knowledge of fire prevention codes and standards, fire safety protection system methods, procedures and building codes, and fire code requirements as they relate to construction for fire protection and fire apparatus access.

Course		*15.0*
FTC 101	Fire Protection Organization	3.0
FTC 102	Fire Behavior and Combustion	3.0
FTC 104	Fire Prevention	3.0
FTC 105	Building Construction for Fire Protection	3.0
FTC 106	Fire Protection Systems	3.0
		Total: 15.0

GEOGRAPHY

Geography: A.A.-T Degree for Transfer

Program Code: SAC.GEOG.AAT

Program Control Number: 32343

The Associate in Arts in Geography for Transfer (AA-T) prepares students to move into a curriculum at a 4-year institution leading to a baccalaureate degree in Geography. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the AA-T in Geography, students will have an understanding of both the breadth and depth of the spatial perspective that is central to geographic study. This knowledge will be grounded in the comprehension of geographic principles, concepts, ideas, theories, research, terminology, and relationships. Students will also have the capacity to write and think in a critical and analytical way about issues pertaining to earth surface study, human/environment interaction and impact, and local, regional, and global relationships and associations.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will recognize the interrelatedness of the components of the earth system, processes, and human characteristics found on the planet and analyze these from a spatial perspective and through the use of the scientific method.

Required Core (6 units)		*6.0*
GEOG 101	Introduction to the Natural Environment	3.0
GEOG 102	Cultural Geography	3.0
	–or–	
GEOG 100	World Regional Geography	3.0
	–or–	
GEOG 100H	Honors World Regional Geography	3.0
List A - select 6-7 Units		*6.0-7.0*
GEOG 101L	Introduction to the Natural Environment Laboratory	1.0
GEOG 130	Introduction to Weather and Climate	3.0
GEOG 140	California Geography	3.0
GEOG 155	Introduction to Geographic Information Systems	3.0
List B - select 6 units Any course not selected in list A above		*6.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
GEOL 101L	Dynamic Earth: Introduction to Geology	1.0
		Total: 18.0-19.0

Geography: A.A. Degree
Program Code: SAC.GEOG.AA
Program Control Number: 04258

The associate degree curriculum in geography provides students with an interdisciplinary background for entry into a curriculum at a four-year institution leading to a baccalaureate degree with career opportunities in a wide range of jobs in government, such as Bureau of Census, C.I.A., D.E.A., U.S.G.S., Department of Immigration and Naturalization, Department of State; and in private industry, such as planning market research, land use analysis, transportation, travel and tourism, and education.

Learning Outcome(s):

1. Students will recognize the interrelatedness of the components of the earth system, processes, and human characteristics found on the planet and analyze these from a spatial perspective and through the use of the scientific method.

Course		*10.0*
GEOG 100	World Regional Geography	3.0
	–or–	
GEOG 100H	Honors World Regional Geography	3.0
GEOG 101	Introduction to the Natural Environment	3.0
	–or–	
GEOG 130	Introduction to Weather and Climate	3.0
GEOG 102	Cultural Geography	3.0
	–or–	
GEOG 140	California Geography	3.0
	–or–	
GEOG 155	Introduction to Geographic Information Systems	3.0
GEOG 101L	Introduction to the Natural Environment Laboratory	1.0
Category A		*3.0-6.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
ANTH 103	Introduction to Archaeology	3.0
ECON C2002	Principles of Macroeconomics	3.0
ECON C2001	Principles of Microeconomics	3.0
HIST 101	World Civilizations to the 16th Century	3.0
	–or–	
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
	–or–	
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
HIST 105	Ancient Mesoamerican Civilization	3.0
HIST 133	History of California	3.0
HIST 150	Latin American Civilization to Independence	3.0
HIST 151	Modern Latin American Civilization	3.0
HIST 153	History of Mexico	3.0
POLT 201	Introduction to Comparative Politics	3.0
POLT 220	International Politics	3.0
Category B		*3.0-6.0*
ANTH 101	Introduction to Physical Anthropology	3.0
ASTR 109	Introduction to the Solar System	3.0
ENVR 140	Environmental Geology	3.0
ENVR 259	Environmental Biology	4.0
GEOL 101	Dynamic Earth: Introduction to Geology	3.0
GEOL 101L	Dynamic Earth: Introduction to Geology Laboratory	1.0
BIOL 259	Environmental Biology	4.0
GEOL 140	Environmental Geology	3.0
GEOL 150	Introduction to Oceanography	3.0
	–or–	
GEOL 150H	Honors Introduction to Oceanography	3.0
GEOL 201	The Earth Through Time	4.0
BUS 150	Introduction to Information Systems and Applications	3.0
BIOL 109	Fundamentals of Biology	3.0
	–or–	
BIOL 109H	Honors Fundamentals of Biology	3.0
		Total: 16.0-22.0

GEOLOGY

Geology: A.S.-T Degree for Transfer
Program Code: SAC.GEOL.AST
Program Control Number: 32144

The Associate in Science in Geology for Transfer (A.S.-T in Geology) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in Geology. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the Associate in Science in Geology for Transfer (A.S.-T in Geology) degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the Associate in Science in Geology for Transfer (A.S.-T in Geology), students will have a foundation necessary for continued training at the upper division level for geology majors. It is a starting point for students who are preparing for careers in education, geoscience research, and government, where scientific and technical skills are in great demand.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will demonstrate proficiency and knowledge with regards to the physical structure of the Earth and the materials that make up the Earth through the paradigm of plate tectonics.

Courses		*26.0*
GEOL 101	Dynamic Earth: Introduction to Geology	3.0
GEOL 101L	Dynamic Earth: Introduction to Geology Laboratory	1.0
GEOL 201	The Earth Through Time	4.0
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
CHEM 229	General Chemistry and Qualitative Analysis	5.0
MATH C2210	Calculus I Early Transcendentals	4.0
	–or–	
MATH 180H	Honors Single Variable Calculus I	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
		Total: 26.0

Geology: A.S. Degree

Program Code: SAC.GEOL.AS

Program Control Number: 04246

The associate degree curriculum in geology prepares students for transfer to a four-year institution leading to a baccalaureate degree in geoscience majors. Geoscientists find employment with environmental companies that clean up and monitor pollution problems. Geotechnical companies also employ geoscientists to evaluate risk from earthquakes, landslides, and other geological hazards. Oil and mining companies employ geoscientists to find new resources. The federal, state, county, and city governments also employ geoscientists for many of the same functions, as well as geoscience research, and to monitor compliance with environmental regulations. Universities, colleges, and museums offer opportunities for teaching and/or research.

Please see a counselor for specific course requirements for your transfer university.

Learning Outcome(s):

1. Students will demonstrate proficiency and knowledge with regards to the physical structure of the Earth and the materials that make up the Earth through the paradigm of plate tectonics.

Required Courses		*16.0*
GEOL 101	Dynamic Earth: Introduction to Geology	3.0
GEOL 101L	Dynamic Earth: Introduction to Geology Laboratory	1.0
GEOL 140	Environmental Geology	3.0
	–or–	
GEOL 150	Introduction to Oceanography	3.0
	–or–	
GEOL 150H	Honors Introduction to Oceanography	3.0
GEOL 201	The Earth Through Time	4.0
CHEM 219	General Chemistry	5.0
Electives: Select a minimum of 8 units from the courses below		*8.0-10.0*
BIOL 211	Cellular and Molecular Biology	5.0
BIOL 212	Animal Diversity and Ecology	5.0
BIOL 214	Plant Diversity and Evolution	5.0
CHEM 229	General Chemistry and Qualitative Analysis	5.0
MATH C2210	Calculus I Early Transcendentals	4.0
	–or–	
MATH 180H	Honors Single Variable Calculus I	4.0
MATH C2220	Calculus II Early Transcendentals	4.0

and any course numbered 100 or higher in Earth Science, Geology, or Physics, except Earth Science 110 and 115 or Physics 109.

Total: 24.0-26.0

HISTORY

History: A.A.-T Degree for Transfer

Program Code: SAC.HIST.AAT

Program Control Number: 32395

The Associate in Arts in History for Transfer (A.A.-T in History) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in History. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the A.A.-T in History also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the A.A.-T in History, students will have an understanding of both the breadth and depth of the history discipline. This knowledge will be grounded in the comprehension of history principles, concepts, ideas, theories, research, and terminology. Students will also have the capacity to write and think in a critical and analytical way about issues pertaining to history, economics, politics, culture and understanding the relationship between the social sciences and humanities.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students who participate in SAC’s history program will complete necessary requirements to complete their academic degrees or transfer to a 4-year institution, while simultaneously acquiring knowledge and skills that will help them participate more fully in their workplace and in their community.
2. Students in SAC’s History Program will gain an understanding of social, historical, and political situations of the past in order to place current local, national, and international events in an historical context.
3. Students in SACs History Program will apply critical thinking in the creation, analysis and interpretation of past and current events, and will demonstrate their thinking and reasoning skills by completing a variety of assigned exercises.

Required Core (6 units)		*6.0*
HIST C1001	United States History to 1877	3.0
	–or–	
HIST C1001H	United States History to 1877 - Honors	3.0
HIST C1002	United States History since 1865	3.0
	–or–	
HIST C1002H	United States History since 1865 - Honors	3.0
List A – select 2 courses: 6 units		*6.0*
HIST 101	World Civilizations to the 16th Century	3.0
	–or–	
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
	–or–	
HIST 102H	Honors World Civilizations Since the 16th Century	3.0

List B – select 1 course from each area: 6 - 8 units		*6.0-8.0*
Area 1: 3 - 5 units		
HIST 150	Latin American Civilization to Independence	3.0
HIST 151	Modern Latin American Civilization	3.0
HIST 153	History of Mexico	3.0
HIST 163	Introduction to Southeast Asian History	3.0
HIST 124	Mexican American History in the United States	3.0
HIST 124H	Honors Mexican American History in the United States	3.0
HIST 125	Native Americans in the U.S.	3.0
HIST 127	Women in U.S. History	3.0
HIST 146	African American History from 1863 to the Present	3.0
HIST 181	Survey of Chicana/Latina Women's History	3.0
SPAN 102	Elementary Spanish II	5.0
SPAN 102H	Honors Elementary Spanish II	5.0
Area 2: 3 units		
HIST 118	Social and Cultural History of the United States	3.0
HIST 133	History of California	3.0
GEOG 100	World Regional Geography	3.0
GEOG 100H	Honors World Regional Geography	3.0
		Total: 18.0-20.0

History: A.A. Degree

Program Code: SAC.HIST.AA

Program Control Number: 04257

The associate degree curriculum in history provides a basic program to aid students in thinking critically about one's self, one's cultural heritage, social and economic processes, and national and international affairs.

Completion of the degree prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree and eventually into careers with government agencies, libraries or museums, research programs in business, journalism, international organizations, archival work, and work in law, international relations, and business. Consult a counselor for information about course requirements for specific universities.

Learning Outcome(s):

1. Students who participate in SAC's history program will complete necessary requirements to complete their academic degrees or transfer to a 4-year institution, while simultaneously acquiring knowledge and skills that will help them participate more fully in their workplace and in their community.
2. Students in SAC's History Program will gain an understanding of social, historical, and political situations of the past in order to place current local, national, and international events in an historical context.
3. Students in SAC's History Program will apply critical thinking in the creation, analysis and interpretation of past and current events, and will demonstrate their thinking and reasoning skills by completing a variety of assigned exercises.

Course		*12.0*
HIST 101	World Civilizations to the 16th Century	3.0
	–or–	
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
	–or–	
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
HIST C1001	United States History to 1877	3.0
	–or–	
HIST C1001H	United States History to 1877 - Honors	3.0
HIST C1002	United States History since 1865	3.0
	–or–	
HIST C1002H	United States History since 1865 - Honors	3.0
Required electives: Choose 3 electives from the following group.		
Must include at least one History class.		*9.0*
ECON C2002	Principles of Macroeconomics	3.0
GEOG 100	World Regional Geography	3.0
	–or–	
GEOG 100H	Honors World Regional Geography	3.0
HIST 123	African American History to 1865	3.0
HIST 124	Mexican American History in the United States	3.0
	–or–	3.0
HIST 124H	Honors Mexican American History in the United States	3.0
HIST 127	Women in U.S. History	3.0
HIST 133	History of California	3.0
HIST 146	African American History from 1863 to the Present	3.0
HIST 150	Latin American Civilization to Independence	3.0
HIST 151	Modern Latin American Civilization	3.0
HIST 163	Introduction to Southeast Asian History	3.0
PHIL 112	World Religions	3.0
PHIL 118	History of Philosophy	3.0
POLS C1000	American Government and Politics	3.0
	–or–	3.0
POLS C1000H	American Government and Politics-Honors	3.0
POLT 200	American Political Thought	3.0
POLT 201	Introduction to Comparative Politics	3.0
POLT 220	International Politics	3.0
		Total: 21.0

INTERNATIONAL BUSINESS

International Business: A.A. Degree
Program Code: SAC.IB.AA
Program Control Number: 09209

The Associate Degree In International Business is designed to provide students and business practitioners, including those already involved in International Business, with practical “hands’ on” exposure to the world of international business. Classes focus on businesses that import and export. Students learn the fundamentals of international business, culture, marketing, finance, law and logistics. Different countries and cultures are explored.

Specialized topic areas (for example, marketing, financing, law and logistics) are a sequence of short classes that should be taken in order. The program prepares students to take the NASBITE Certified Global Business (CGBP) Credential Exam.

Learning Outcome(s):

1. The goal of the International Business degree program is to prepare students for careers in the global trade marketplace by combining a basic academic foundation in import,and export global logistics, international management, international marketing and regional business studies combined with the benefit of experiential learning by using practical tools in use by industry and commerce.

Required Core Courses:		*12.0*
BUS 100	Fundamentals of Business	3.0
	–or–	
ENTR 100	Introduction to Innovation and Entrepreneurship	3.0
BUS 106	Culture and International Business - Kiss, Bow or Shake Hands	3.0
BUS 125	Introduction to International Business	3.0
BUS 222	Business Writing	3.0
	–or–	
MGMT 122	Business Communications	3.0
Logistics		*3.0*
BUS 115	Global Shipping and Logistics	3.0
Management and Law		*3.0*
BUS 117	Global Commerce and Management	3.0
	–or–	
PARA 117	Law of Global Commerce and Management	3.0
Marketing		*3.0*
BUS 116	Global Marketing: Selling Around the World	3.0
	–or–	
MKTG 116	Global Marketing: Selling Around the World	3.0
Regional Studies		*3.0*
BUS 119	Doing Business in Latin America and Asia	3.0
Import		*3.0*
BUS 118	Importing: Global Sourcing and Markets	3.0
Elective Courses Select ONE course from the following:		*3.0-4.0*
ACCT 101	Financial Accounting	4.0
BUS 120	Principles of Management	3.0
MGMT 120	Principles of Management	3.0
MKTG 113	Principles of Marketing	3.0

Total: 30.0-31.0

International Business: Certificate of Achievement
Program Code: SAC.IB.CA
Program Control Number: 21750

The associate degree and certificate in international business is designed to provide students and business practitioners, including those already involved in International Business, with practical “hands’ on” exposure to the world of international business.

Classes focus on businesses that import and export. Students learn the fundamentals of international business, culture, marketing, finance, law and logistics. Different countries and cultures are explored. Specialized topic areas (for example, marketing, financing, law and logistics) are a sequence of short classes that should be taken in order. The program prepares students to take the NASBITE Certified Global Business (CGBP) Credential Exam

Learning Outcome(s):

1. The goal of the International Business certificate program is to prepare students for careers in the global trade marketplace by combining a basic academic foundation in import,and export global logistics, international management, international marketing and regional business studies combined with the benefit of experiential learning by using practical tools in use by industry and commerce.

Introductory Courses		*3.0*
BUS 100	Fundamentals of Business	3.0
	–or–	
ENTR 100	Introduction to Innovation and Entrepreneurship	3.0
Core Required Courses		*6.0*
BUS 106	Culture and International Business - Kiss, Bow or Shake Hands	3.0
BUS 125	Introduction to International Business	3.0
Logistics		*3.0*
BUS 115	Global Shipping and Logistics	3.0
International Management and Law		*3.0*
BUS 117	Global Commerce and Management	3.0
	–or–	
PARA 117	Law of Global Commerce and Management	3.0
International Marketing		*3.0*
BUS 116	Global Marketing: Selling Around the World	3.0
	–or–	
MKTG 116	Global Marketing: Selling Around the World	3.0
Area Concentration		*3.0*
BUS 119	Doing Business in Latin America and Asia	3.0
Import		*3.0*
BUS 118	Importing: Global Sourcing and Markets	3.0

Total: 24.0

Survey of International Business: Certificate of Achievement
Program Code: SAC.SIB.CA
Program Control Number: 44923

The Survey of International Business certificate provides you with an introduction to the terminology, skills and functional areas of global trade.

You will learn how culture impacts business along with practical hands on skills that can be applied to all fields of business. The courses required for this certificate are the core requirements for the International Business Certificate and AA Degree.

Learning Outcome(s):

1. Students will be aware of the key terminology required to conduct international trade.
2. Students will understand how the functional areas of business are effected by the global economy and the career opportunities available in international business.

Complete one of the following courses:		*3.0*
Fundamentals Courses		*3.0*
BUS 100	Fundamentals of Business	3.0
	–or–	
ENTR 100	Introduction to Innovation and Entrepreneurship	3.0
Complete the following International Business Courses		*6.0*
BUS 125	Introduction to International Business	3.0
BUS 106	Culture and International Business - Kiss, Bow or Shake Hands	3.0
		Total: 9.0

JOURNALISM AND MEDIA STUDIES

Journalism: A.A.-T Degree for Transfer
Program Code: SAC.CMSD.AAT
Program Control Number: 32148

The Associate in Arts in Journalism for Transfer (A.A.-T in Journalism) prepares students to move into the CSU system leading to a baccalaureate degree in Journalism, and then into careers in daily reporting, media editing, writing, Web-based multimedia reporting, visual reporting, photography, print and digital design, public relations, advertising, radio, digital media, and television writing and production. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the Associate in Arts in Journalism for Transfer (A.A.-T in Journalism) degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the Associate in Arts in Journalism for Transfer, students will be able to define and execute news gathering strategies; write articles under deadline; edit their own and others' articles for proper spelling, grammar, and AP style; define relevant news content; gather news information weekly; and assess legal and ethical media issues at the final level of a traditional lower division Journalism sequence. Through news production, students will demonstrate proficiency in developing effective designs and layouts for story presentation; develop news stories through written, visual, audio, video or other multimedia formats; determine the best format –print, multimedia, visual —for telling basic news stories; build a portfolio that demonstrates a range of storytelling formats and styles; and navigate content management software used to create online publications.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C" or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will apply the basic principles of journalism such as accuracy, fairness, and public service 2. Students will demonstrate an understanding of the history and role of professionals and institutions in shaping communications and be able to discuss the legal and ethical underpinnings of U.S. Mass Media 3. Students will research news stories using a variety of sources and evaluate the accuracy of information sources.

Required Core Courses:		*10.0*
JAMS 105	Mass Media and Society	3.0
JAMS 121	Reporting and Writing the News	3.0
JAMS 123A	Multimedia News Production	4.0

List A: select 1 course from the following:		*3.0-4.0*
JAMS 102	Multimedia Storytelling	3.0
JAMS 210	Public Affairs Reporting	3.0
JAMS 103	Introduction to Visual Communications	3.0
JAMS 150	Introduction to Public Relations	3.0
JAMS 160	Introduction to Photojournalism	3.0
	–or–	
PHOT 160	Introduction to Photojournalism	3.0
JAMS 123B	Intermediate Multimedia News Production	4.0
List B: select 2 courses from the following:		*6.0-8.5*
PHOT 180	Beginning Photography	3.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics-Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
CMST 100	Introduction to Communication Studies	3.0
ECON C2002	Principles of Macroeconomics	3.0
	–or–	
ECON C2001	Principles of Microeconomics	3.0
POLS C1000	American Government and Politics	3.0
	–or–	
POLS C1000H	American Government and Politics-Honors	3.0
POLT 201	Introduction to Comparative Politics	
ENGL C1003	Critical Thinking and Writing through Literature	4.0
	–or–	
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
	–or–	
ENGL C1001	Critical Thinking and Writing	4.0
	–or–	
ENGL C1001H	Critical Thinking and Writing- Honors	4.0
PHIL 111	Introductory Logic	4.0
CMST 140	Argumentation and Debate	3.0
CNSL 144	Reasoning and Problem Solving	3.0
	–or–	
PHIL 110	Critical Thinking	4.0
	–or–	
PHIL 110H	Honors Critical Thinking	4.0
	–or–	
CAR 150	Critical Reading	3.0
JAMS 222	Writing Across Media	3.0
	–or–	
DM 130	Broadcasting for News & Sports	3.0
	–or–	
JAMS 201	Visual Reporting	2.0
	–or–	
DM 191A	Layout Design	3.0
JAMS 111	Media, Race and Gender	3.0
		Total: 19.0-22.5

Broadcast Journalism: A.A. Degree

Program Code: SAC.JAMSB.AA

Program Control Number: 16974

The Associate in Arts in Broadcast Journalism introduces students to the theory and practice of broadcast media. The program provides critical and cultural analysis of media and communications in conjunction with a hands-on production sequence in reporting, writing and producing news media across radio, TV and social media platforms. Students gain experience creating impactful video and audio packages while building broadcast production skills as staff members at campus media.

Completion of the degree prepares students to move into a four-year program leading to a baccalaureate degree and potential careers in digital media, broadcast journalism, social media reporting, editing, public relations, advertising, writing and production, teaching, and communications research. Please consult a SAC counselor for information about course requirements for particular four-year institutions.

Learning Outcome(s):

1. Apply the basic principles of journalism such as accuracy, fairness, and public service.
2. Demonstrate an understanding of the history and role of professionals and institutions in shaping broadcast communications and media.
3. Practice the principles of communicating clearly through broadcast media platforms

Core Courses		*15.0*
JAMS 105	Mass Media and Society	3.0
JAMS 121	Reporting and Writing the News	3.0
DM 115A	Single-Camera Production & Editing	3.0
DM 130	Broadcasting for News & Sports	3.0
DM 230A	Beginning News & Sports Production	3.0
Choose 3 courses from the following:		*9.0-12.0*
JAMS 123A	Multimedia News Production	4.0
JAMS 123B	Intermediate Multimedia News Production	4.0
JAMS 210	Public Affairs Reporting	3.0
DM 100	Introduction to Electronic Media: TV, Radio, Film, and the Internet	3.0
CMST 140	Argumentation and Debate	3.0
DM 230B	Intermediate News & Sports Production	3.0
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 120	Beginning Screenwriting for Digital Media	3.0
DM 121	Intermediate Screenwriting for Digital Media	3.0
DM 150	Producing and Directing	3.0
POLS C1000	American Government and Politics	3.0
	–or–	
POLS C1000H	American Government and Politics-Honors	3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology - Honors	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
	–or–	
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
	–or–	
ENGL C1001	Critical Thinking and Writing	4.0
	–or–	
ENGL C1001H	Critical Thinking and Writing - Honors	4.0
PHIL 110	Critical Thinking	4.0
	–or–	
PHIL 110H	Honors Critical Thinking	4.0
		Total: 24.0-27.0

Journalism and Media Studies: A.A. Degree

Program Code: SAC.JAMS.AA

Program Control Number: 04194

The Associate in Arts in Journalism and Media Studies introduces students to the theory and practice of media. The program provides critical and cultural analysis of media and communications while affording students comprehensive study in reporting, writing, visual reporting, photojournalism, design, and editing across media platforms. Students build media production skills while working at the college's nationally acclaimed publications el Don and eldonnews.org, where they learn to work in a data-rich environment to find and tell important stories.

Completion of the degree prepares students to move into a four-year program leading to a baccalaureate degree and potential careers in digital media, multimedia and social media reporting, editing, photography, design, public relations, advertising, writing and production, teaching, and communication research. Please consult a SAC counselor for information about course requirements for particular four-year institutions.

Learning Outcome(s):

1. Apply the basic principles of journalism such as accuracy, fairness, and public service.
2. Demonstrate an understanding of the history and role of professionals and institutions in shaping communications and media.
3. Discuss the legal and ethical underpinnings of U.S. Mass Media.
4. Research news and other media stories using a variety of sources and evaluate the accuracy of information sources.

Major requirements for the associate in arts degree		*22.0*
JAMS 103	Introduction to Visual Communications	3.0
JAMS 105	Mass Media and Society	3.0
JAMS 111	Media, Race and Gender	3.0
JAMS 121	Reporting and Writing the News	3.0
JAMS 123A	Multimedia News Production	4.0
JAMS 222	Writing Across Media	3.0
JAMS 102	Multimedia Storytelling	3.0
	–or–	
JAMS 160	Introduction to Photojournalism	3.0
	–or–	
PHOT 160	Introduction to Photojournalism	3.0
		Total: 22.0

Journalism and Media Studies: Certificate of Achievement

Program Code: SAC.JAMS.CA

Program Control Number: 21753

The certificate program in Journalism and Media Studies offers students a unique blend of theory and practice. The program provides critical and cultural analysis of media and communications in conjunction with a hands-on production sequence in print, digital, and web-based journalism, leading to potential entry-level positions in a variety of media and communications fields. Students work at least one semester as a staff member for SAC's nationally recognized student media outlet, el Don.

Learning Outcome(s):

1. Apply the basic principles of journalism such as accuracy, fairness and public service
2. Discuss the historic, cultural, legal and ethical underpinnings of U.S. Mass Media
3. Practice the principles of communicating clearly through print, digital, and visual media

Required Courses		*13.0*
JAMS 103	Introduction to Visual Communications	
JAMS 105	Mass Media and Society	3.0
JAMS 121	Reporting and Writing the News	3.0
JAMS 123A	Multimedia News Production	4.0

Plus 3 Units from the Following Courses		*3.0-5.0*
ART 195	Introduction to Digital Media Arts	3.0
	–or–	
DM 195	Introduction to Digital Media Arts	3.0
JAMS 102	Multimedia Storytelling	3.0
JAMS 201	Visual Reporting	2.0
JAMS 210	Public Affairs Reporting	3.0
JAMS 222	Writing Across Media	3.0
JAMS 160	Introduction to Photojournalism	3.0
	–or–	
PHOT 160	Introduction to Photojournalism	3.0
PHOT 180	Beginning Photography	3.0
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 130	Broadcasting for News & Sports	3.0
MUS 152	Beginning Audio Production	3.0
	–or–	
DM 152	Beginning Audio Production	3.0
		Total: 16.0-18.0

Media Theory: Certificate of Achievement
Program Code: SAC.CMSDT.CA
Program Control Number: 41539

The Certificate in Media Theory is designed to provide students fundamental knowledge and strategies to communicate effectively in a 21stcentury information environment. Students examine media's influence on history, culture, and society and learn to apply theories in a variety of media channels.

Learning Outcome(s):

1. Critically read, analyze, compare, and evaluate complex media texts.
2. Understand the cognitive processes by which media are experienced and remembered
3. Demonstrate an understanding of the historical and ethical underpinnings related to mass communications

Required Courses		*16.0*
JAMS 103	Introduction to Visual Communications	3.0
JAMS 105	Mass Media and Society	3.0
JAMS 111	Media, Race and Gender	3.0
ENGL C1000	Academic Reading and Writing	4.0
	–or–	
ENGL C1000H	Academic Reading and Writing-Honors	4.0
DM 103	History of Film to 1945	3.0
	–or–	
DM 104	History of Film from 1945 to Present	3.0
		Total: 16.0

Multimedia Journalism: Certificate of Achievement
Program Code: SAC.JAMMJ.CA
Program Control Number: 43721

The Certificate in Multimedia Journalism is designed to provide students fundamental skills and practical strategies to effectively produce news in a 21st-century information environment. Students apply writing, editing, photographic, video, design, and multimedia skills in a working newsroom, building a portfolio of multimedia production work through SAC's nationally recognized student media channels el Don and eldonnews.org

Learning Outcome(s):

1. Apply the basic principles of journalism such as accuracy, fairness, and public service
2. Practice the principles of communicating clearly through print, digital, and visual media
3. Apply current tools and technologies appropriate for the communications professions

Required Courses:		*16.0*
JAMS 121	Reporting and Writing the News	3.0
JAMS 123A	Multimedia News Production	4.0
JAMS 123B	Intermediate Multimedia News Production	4.0
JAMS 201	Visual Reporting	2.0
JAMS 102	Multimedia Storytelling	3.0
	–or–	
JAMS 160	Introduction to Photojournalism	3.0
	–or–	
PHOT 160	Introduction to Photojournalism	3.0
		Total: 16.0

Public Relations: Certificate of Achievement
Program Code: SAC.CMSDR.CA
Program Control Number: 41536

The Public Relations Certificate is designed to provide students with essential journalism, business, and communication skills necessary for the professional practice of public relations and marketing in a 21st-century media landscape.

Learning Outcome(s):

1. Recognize the history and role of public relations and marketing in shaping public perception
2. Formulate effective public relations campaigns
3. Analyze and respond to legal, ethical and cultural issues in contemporary public relations

Required Courses		*18.0*
JAMS 103	Introduction to Visual Communications	3.0
JAMS 105	Mass Media and Society	3.0
JAMS 121	Reporting and Writing the News	3.0
JAMS 150	Introduction to Public Relations	3.0
COMM C1000	Introduction to Public Speaking	3.0
	–or–	
COMM C1000H	Introduction to Public Speaking - Honors	3.0
MKTG 113	Principles of Marketing	3.0
		Total: 18.0

Writing for Media: Certificate of Achievement
Program Code: SAC.CMSDW.CA
Program Control Number: 41535

The Certificate in Writing for Media is designed to provide students fundamental skills and strategies to report and write effectively in a 21stcentury information environment. Students gain experience evaluating, gathering, and presenting information through words across multiple media platforms under newsroom conditions.

Learning Outcome(s):

1. Define and execute information gathering strategies
2. Apply writing differences for a variety of platforms and audiences
3. Read and write critically on both a literal and symbolic level

Required Courses		*17.0*
JAMS 121	Reporting and Writing the News	3.0
JAMS 222	Writing Across Media	3.0
JAMS 105	Mass Media and Society	3.0
ENGL C1000	Academic Reading and Writing	4.0
	–or–	
ENGL C1000H	Academic Reading and Writing-Honors	4.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
	–or–	
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
	–or–	
ENGL C1001	Critical Thinking and Writing	4.0
	–or–	
ENGL C1001H	Critical Thinking and Writing-Honors	4.0
		Total: 17.0

KINESIOLOGY

Kinesiology: A.A.-T Degree for Transfer

Program Code: SAC.KIN.AAT

Program Control Number: 32096

The Associate of Arts in Kinesiology for Transfer prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in Kinesiology or similar major. Please consult a counselor regarding specific course requirements for your transfer institution. This degree provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the A.A.-T in Kinesiology degree students will be able to articulate understanding of scientific foundations of Kinesiology, distinguish between Kinesiology-related careers, and demonstrate movement skills competence. Students will gain knowledge and movement-based experience which prepares them in pursuit of a bachelor's or master's degree and or professional certificate in exercise science, nutrition, health promotion, sports medicine or athletic training, physical therapy, and coaching or fitness related fields.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C" or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will apply scientific foundations to understanding human movement.
2. Students will discuss the importance of physical activity in daily life and the implications for Kinesiology-related careers.
3. Students will demonstrate competence in 3 areas of physical activity experience.
4. Students will be able to compare and contrast the many sub-disciplines of Kinesiology.
5. Students will be able to express the nature and demands of Kinesiology related occupations.

Required Courses		*11.0*
KNPR 101	Introduction to Kinesiology	3.0
BIOL 239	General Human Anatomy	4.0
BIOL 249	Human Physiology	4.0
Select a maximum of one (1) course from any three (3) of the following areas for a minimum of three units: Aquatics, Combatives, Team Sports, Individual Sports, Fitness, Dance.		
Required Movement Based Courses (3 units).		*Units: 3.0*
Select a maximum of one (1) course from the Aquatics area:		
KNAQ 201A	Beginning Swimming	0.5-1.0
KNAQ 201B	Lap Swimming	0.5-1.0
KNAC 226A	Beginning Water Polo	0.5-1.0
Select a maximum of one (1) course from the Combatives area:		
KNAC 140A	Beginning Karate	0.5-1.0
KNAC 155A	Beginning Self-Defense	0.5-1.0
KNAC 169A	Beginning Wrestling	0.5-1.0
KNAC 169B	Intermediate Wrestling	1.0
KNAF 156A	Beginning Cardio Kickboxing	0.5-1.0
KNAF 156B	Intermediate Cardio Kickboxing	0.5-1.0
Select a maximum of one (1) course from the Dance area:		
DNCE 106A	Introduction to Modern Dance - I	1.0
DNCE 106B	Introduction to Modern Dance - II	1.0
DNCE 108A	Introduction to Ballet - I	1.0
DNCE 108B	Introduction to Ballet- II	1.0
DNCE 110	Beginning Mexican Folk Dance	1.0
DNCE 111	Intermediate Mexican Folk Dance	1.0
DNCE 112	Ethnic Dance	1.0
DNCE 113A	Flamenco Dance I	1.0
DNCE 113B	Flamenco Dance II	1.0
DNCE 117	Introduction to Middle Eastern Dance	1.0
DNCE 118	Introduction to Caribbean and Latin Dance Styles	1.0
DNCE 119A	Introduction to Jazz Dance - I	1.0
DNCE 119B	Introduction to Jazz Dance - II	1.0
DNCE 120A	Introduction to Hip-Hop Dance	1.0
DNCE 120B	Intermediate Hip-Hop Dance	1.0
DNCE 122A	Commercial Dance I	1.0
DNCE 123	Introduction to Salsa Dance	1.0
DNCE 124	Intermediate Salsa Dance	1.0
Select a maximum of one (1) course from the Fitness area:		
KNAC 123	Personal Fitness Training	1.0
KNAC 150A	Beginning Hatha Yoga	0.5-1.0
KNAC 170A	Beginning Yoga	0.5-1.0
KNAF 140A	Beginning Walking/Jogging for Fitness	0.5-1.0
KNAF 144A	Beginning Cross Training	0.5-1.0
KNAF 146A	Beginning Stability Ball	0.5-1.0
KNAF 146B	Intermediate Stability Ball Training	1.0
KNAF 150A	Beginning Stretch, Flex and Tone	0.5-1.0
KNAF 156A	Beginning Cardio Kickboxing	0.5-1.0
KNAF 156B	Intermediate Cardio Kickboxing	0.5-1.0
KNFI 112A	Beginning Circuit Training	0.5-1.0
KNFI 112B	Intermediate Circuit Training	0.5-1.0
KNFI 114A	Beginning Spinning	0.5-1.0
KNFI 114B	Intermediate Spinning	0.5-1.0
KNFI 115A	Beginning Cardiovascular Conditioning	0.5-1.0
KNFI 115B	Intermediate Cardiovascular Conditioning	0.5-1.0
KNFI 147A	Beginning Weight Training	0.5-1.0
KNFI 147B	Intermediate Weight Training	0.5-1.0
DNCE 109A	Pilates Mat I	1.0
DNCE 109B	Pilates Mat II	1.0
Select a maximum of one (1) course from the Individual Sports area:		
KNAC 107A	Beginning Badminton	0.5-1.0
KNAC 107B	Intermediate Badminton	0.5-1.0
KNAC 160A	Beginning Tennis	0.5-1.0
Select a maximum of one (1) course from the Team Sports area:		
KNAC 211A	Beginning Baseball	0.5-1.0
KNAC 211B	Intermediate Baseball	0.5-1.0
KNAC 220A	Beginning Basketball	0.5-1.0
KNAC 220B	Intermediate Basketball	0.5-1.0
KNAC 230A	Beginning Flag Football	0.5-1.0
KNAC 260A	Beginning Soccer	0.5-1.0
KNAC 260B	Intermediate Soccer	0.5-1.0
KNAC 265A	Beginning Indoor Soccer	0.5-1.0
KNAC 265B	Intermediate Indoor Soccer	0.5-1.0
KNAC 270A	Beginning Softball	0.5-1.0
KNAC 290A	Beginning Volleyball	0.5-1.0
KNAC 290B	Intermediate Volleyball	0.5-1.0

Elective Courses: Select two courses		*7.0-9.5*
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics -Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
CHEM 210	General, Organic and Biochemistry	5.0
	–or–	
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
PHYS 279	College Physics I	4.0
	–or–	
PHYS 210	Principles of Physics I	4.0
	–or–	
PHYS 217	Engineering Physics I	4.0
KNHE 106	Cardiopulmonary Resuscitation and First Aid	3.0
		Total: 18.0-20.5

Kinesiology: A.A. Degree

Program Code: SAC.KIN.AA

Program Control Number: 04200

This program is designed to prepare students for transfer into baccalaureate degree programs in Kinesiology or entry-level health, sports, and fitness-related jobs. The focus is on preparing students to be able to articulate understanding of scientific foundations of Kinesiology, distinguish between Kinesiology-related careers, and demonstrate movement skills competence. Students receive exposure to the sources of knowledge in Kinesiology through scholarly study of physical activity and physical activity experience. The student is introduced to courses that promote healthy lifestyle choices and an active mind and body. Curriculum content may include the introduction to Kinesiology, nutrition, health awareness, sports medicine, physiology of exercise, and activity courses. The following classes can lead to obtaining a degree in the areas of exercise science, sports medicine-athletic training, physical therapy, kinesiology, sports management, coaching, or allied health-related and fitness-related vocations.

TRANSFER PLAN

Courses required to complete an associate degree at Santa Ana College in Kinesiology may not fulfill courses required by four-year universities to complete a baccalaureate degree. The Kinesiology Department at Santa Ana College recommends that students interested in transferring to a four-year institution consult with a counselor prior to beginning their courses of study.

Learning Outcome(s):

1. Students will be able to describe the role of Kinesiology/ Physical Education in health promotion and disease prevention.
2. Students will be able to demonstrate competence in several physical activities and proficiency in at least 1 physical activity.
3. Students will be able to examine personal health-related behavioral patterns, select goals, and formulate appropriate health and fitness strategies.
4. Students will be able to synthesize knowledge of the 6 dimensions of well being to discriminate between healthy and detrimental lifestyle choices.

Required Courses		*15.0*
KNPR 101	Introduction to Kinesiology	3.0
KNHE 101	Healthful Living	3.0
	–or–	
KNHE 101H	Honors Healthful Living	3.0
	–or–	
KNHE 102	Women's Health Issues	3.0
	–or–	
KNHE 103	Men's Health Issues	3.0
KNHE 104	Nutrition and Fitness	2.0
KNHE 106	Cardiopulmonary Resuscitation and First Aid	3.0
BIOL 149	Human Anatomy and Physiology	4.0
	–or–	
BIOL 239	General Human Anatomy	4.0
Required Movement-Based Courses: Must 6 units from at least 3 different areas listed: KNAC, KNAD, KNAF, KNAQ, KNFI and or KNIA.		*6.0*
Elective Professional Studies Courses.		
Complete a minimum of 4 classes.		*8.0-12.0*
KNPR 110	Kinesiology-related Occupational Work Experience	1.0
KNPR 125	Sport Psychology	3.0
KNPR 150	Sport and Society	3.0
KNPR 160	Sport and Fitness Management	3.0
KNPR 170	Sport Ethics	3.0
KNPR 202	Introduction to Personal Training	3.0
KNPR 205	Techniques of Exercise Leadership	1.0
KNSM 101	Introduction to Sports Medicine	3.0
KNHE 111	Introduction to Public Health	3.0
KNHE 112	Health and Social Justice	3.0
		Total: 29.0-33.0

Fitness Specialist: Certificate of Achievement

Program Code: SAC.KNFS.CA

Program Control Number: 33169

The Fitness Specialist Certificate program prepares students for employment in the fitness industry by combining a science-based academic foundation with an abundance of experiential learning. Students gain knowledge of Kinesiology principles while developing fitness assessment, exercise leadership, and individual & group exercise programming skills. The program is designed to get students into the industry as soon as possible but includes transferrable coursework for students seeking to further their education in Kinesiology-related fields.

Learning Outcome(s):

1. Students will select, execute, interpret, and communicate results from various fitness assessment field tests based upon age, gender, fitness level, and cultural differences.
2. Students will design a health-related or performance related program for apparently healthy individuals and several special populations.
3. Students will lead personal training sessions as well as a variety of small and large group exercise activities.

Required Courses		*13.0-14.0*
KNPR 101	Introduction to Kinesiology	3.0
KNPR 202	Introduction to Personal Training	3.0
KNPR 205	Techniques of Exercise Leadership	1.0
KNPR 110	Kinesiology-related Occupational Work Experience	1.0
KNHE 104	Nutrition and Fitness	2.0
	–or–	
NUTR 115	Nutrition	3.0
	–or–	
NUTR 115H	Honors Nutrition	3.0
KNHE 106	Cardiopulmonary Resuscitation and First Aid	3.0
Movement Based Courses - Select 2 of the following courses:		*2.0*
Kinesiology majors should select 1-unit sections of the physical activity courses.		
KNAC 123	Personal Fitness Training	1.0
KNAC 140A	Beginning Karate	0.5-1.0
KNAC 150A	Beginning Hatha Yoga	0.5-1.0
KNAC 155A	Beginning Self-Defense	0.5-1.0
KNAC 170A	Beginning Yoga	0.5-1.0
KNAD 211A	Beginning Adapted Aquatics	0.5-1.0
KNAF 140A	Beginning Walking/Jogging for Fitness	0.5-1.0
KNAF 144A	Beginning Cross Training	0.5-1.0
KNAF 146A	Beginning Stability Ball	0.5-1.0
KNAF 150A	Beginning Stretch, Flex and Tone	0.5-1.0
KNAF 156A	Beginning Cardio Kickboxing	0.5-1.0
KNFI 112A	Beginning Circuit Training	0.5-1.0
KNFI 114A	Beginning Spinning	0.5-1.0
KNFI 147A	Beginning Weight Training	0.5-1.0
		Total: 15.0-16.0

Kinesiology Sports Medicine: Certificate of Proficiency
Program Code: SAC.KNM.CERT

This program is designed to provide students with knowledge and skills that help them understand all aspects of sports medicine/ athletic training field and to prepare associate degree students for transfer into Athletic Training.

Learning Outcome(s):

1. Students will be able to assess sport injury related information, then interpret and articulate that information to players, coaches, Athletic Trainers, and medical personnel.
2. Students will be able to recognize and select appropriate athletic injury management response.

Required Core Courses		*15.0*
KNSM 101	Introduction to Sports Medicine	3.0
KNPR 110	Kinesiology-related Occupational Work Experience	1.0
KNPR 125	Sport Psychology	3.0
KNHE 101	Healthful Living	3.0
	–or–	
KNHE 101H	Honors Healthful Living	3.0
KNHE 104	Nutrition and Fitness	2.0
KNHE 106	Cardiopulmonary Resuscitation and First Aid	3.0
		Total: 15.0

LEGAL STUDIES

Law, Public Policy and Society: A.A.-T Degree for Transfer
Program Code: SAC.LAWPS.AAT
Program Control Number: 39987

This Associate in Arts in Law, Public Policy and Society for Transfer Degree (AA-T) prepares students to transfer to a four-year institution leading to a baccalaureate degree in a variety of majors. This interdisciplinary degree highlights coursework that is appropriate for a student considering law school as it emphasizes the development of various skills, introduces students to the legal field, and prepares students for further study in a variety of majors. Students who opt to pursue this course of study are encouraged to engage in further exploration of one or more specific majors as they select electives for degree completion.

Please consult a counselor regarding specific course requirements for your transfer institution. This degree is designed to provide a clear pathway to a CSU and guarantee admission to a CSU. Although students are guaranteed admission, it is not to a particular campus or major in the CSU system. Students will be encouraged to meet with a counselor for specific university major preparation at the college of their choice in order to facilitate a seamless transition. This coursework will satisfy the lower division Law, Public Policy and Society requirements at some of the CSU campuses.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Analyze social science concepts and theories
2. Evaluate diverse viewpoints related to the human experience
3. Produce evidence-based arguments

Core		*26.0-27.5*
(a single course may only be used to meet one core requirement)		
PARA 100	Law and Society	3.0
	–or–	
LAW 100	Law and Society	3.0
PARA 121	Legal Ethical Reasoning	3.0
	–or–	
PHIL 108	Ethics	3.0
	–or–	
LAW 121	Legal Ethical Reasoning	3.0
COMM C1000	Introduction to Public Speaking	3.0
	–or–	
COMM C1000H	Introduction to Public Speaking - Honors	3.0
	–or–	
CMST 145	Group Dynamics	3.0
	–or–	
CMST 140	Argumentation and Debate	3.0
ENGL C1000	Academic Reading and Writing	4.0
	–or–	
ENGL C1000H	Academic Reading and Writing-Honors	4.0

ENGL C1001	Critical Thinking and Writing	4.0
	–or–	
ENGL C1001H	Critical Thinking and Writing-Honors	4.0
	–or–	
ENGL C1003	Critical Thinking and Writing through Literature	4.0
	–or–	
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
	–or–	
PHIL 111	Introductory Logic	4.0
	–or–	
CMST 140	Argumentation and Debate	3.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics-Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
HIST C1001	United States History to 1877	3.0
	–or–	
HIST C1001H	United States History to 1877 - Honors	3.0
	–or–	
HIST C1002	The United States since 1865	3.0
	–or–	
HIST C1002H	United States History since 1865 - Honors	3.0
POLS C1000	American Government and Politics	3.0
	–or–	
POLS C1000H	American Government and Politics-Honors	3.0
List A. Select two courses (minimum of 6 units) from two areas listed below. Note - courses must not have been used above.)		*6.0*
Business		
BUS 105	Legal Environment of Business	3.0
BUS 101	Business Law	3.0
LAW 105	The Legal Environment of Business	3.0
Political Science		
POLT 200	American Political Thought	3.0
POLT 200H	Honors American Political Thought	3.0
POLT 201	Introduction to Comparative Politics	3.0
POLT 220	International Politics	3.0
Public Policy		
SOC 140	Social Problems	3.0
SOC 140H	Honors Social Problems	3.0
ETHN 150	Introduction to Ethnic Studies	3.0
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
Diversity		
ANTH 100	Introduction to Cultural Anthropology	3.0
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
CMST 103	Introduction to Intercultural Communication	3.0
CMST 103H	Honors Introduction to Intercultural Communication	3.0
GEOG 102	Cultural Geography	3.0
ASIA 150	Introduction to Asian American Studies	3.0
BLST 150	Introduction to African/Black American Studies	3.0
CHST 150	Introduction to Chicana/Chicano Studies	3.0
ETHN 150	Introduction to Ethnic Studies	3.0
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
ETHN 102	The Borderlands: Cultural Context and Intercultural Relations	3.0
ETHN 102H	Honors the Borderlands: Cultural Context and Intercultural Relations	3.0
Criminal Justice		
CJ 101	Introduction to Criminal Justice	3.0
CJ 101H	Honors Introduction to Criminal Justice	3.0
CJ 102	Introduction to Corrections	3.0
CJ 103	Concepts of Criminal Law	3.0
CJ 103H	Honors Concepts of Criminal Law	3.0
CJ 105	Legal Aspects of Evidence	3.0
PARA 107	Principles and Procedures in the Criminal Justice System	3.0
CJ 109	Community Interaction	3.0
CJ 107	Principles and Procedures in the Criminal Justice System	3.0
CJ 109H	Honors Community Interaction	3.0
CJ 220	Juvenile Delinquency and Control	3.0
Economics		
ECON C2002	Principles of Macroeconomics	3.0
ECON C2001	Principles of Microeconomics	3.0
College Success		
CNSL 116	Career/Life Planning and Personal Exploration	3.0
Internship/Fieldwork - If a student chooses one of these courses, they must complete a single course for three units.		
LAW 299	Work Experience - Law	1.0-4.0
PARA 105	Work Experience - CLIRRC	1.0-4.0
PARA 299	Work Experience - Paralegal	1.0-4.0
		Total: 32.0-33.5

Legal Office Interpreting Spanish: Certificate of Achievement

Program Code: SAC.LOIS.CA

Program Control Number: 35705

The certificate of achievement curriculum for Legal Office Interpreting Spanish is designed to prepare the student for employment in a legal setting interpreting Spanish to English and English to Spanish. Students will be prepared for employment in law offices, court reporting services and the courts, both on the State and Federal level. Students will have a basic understanding of legal terminology, ethics and legal procedures.

Learning Outcome(s):

1. Students will have a basic understanding of legal terminology in both English and Spanish.
2. Students will have a basic understanding of the “ethics” and California regulations of the legal profession.
3. Students will demonstrate an entry level proficiency in legal interpretation (Spanish/English).

Courses		*13.0-16.0*
Legal Interpretation and Translation - Spanish / English		*3.0*
LAW 133	Legal Interpretation and Translation Spanish/English	3.0
	–or–	
BA 133	Legal Interpretation and Translation - Spanish/English	3.0
Law and Society		*3.0*
LAW 100	Law and Society	3.0
	–or–	
PARA 100	Law and Society	3.0

Legal Ethics		*3.0*
LAW 121	Legal Ethical Reasoning	3.0
	–or–	
PARA 121	Legal Ethical Reasoning	3.0
LAW 110	Legal Terminology	2.0
BA 149	Technology for Interpreters & Translators	1.0
Work Experience		*3.0*
LAW 299	Work Experience - Law	1.0-4.0
	–or–	
PARA 299	Work Experience - Paralegal	1.0-4.0
	–or–	
PARA 105	Work Experience - CLIRRC	1.0-4.0
		Total: 13.0-16.0

Legal Office Interpreting Vietnamese: Certificate of Achievement

Program Code: SAC.LOIV.CA

Program Control Number: 43991

The Certificate of Achievement for Legal Office Interpreting Vietnamese is designed to prepare the student for employment in a legal setting interpreting Vietnamese to English and English to Vietnamese. Students will be prepared for employment in law offices, court reporting services and the courts, both at the State and Federal level. Students will have a basic understanding of legal terminology, ethics and legal procedures.

Learning Outcome(s):

1. Understand the Ethics and regulations of the legal profession in California by completing LAW 100 or PARA 100 and LAW 121 or PARA 121.
2. Understand basic terminology used in the law office and courts by completing the LAW 110.
3. Demonstrate an entry level proficiency in legal interpretation (Vietnamese/English) by completion of BA 143 or LAW 143.

Required Courses		*12.0*
Legal Interpretation and Translation - Vietnamese / English		
BA 143	Legal Interpretation and Translation - Vietnamese/English	3.0
	–or–	
LAW 143	Legal Interpretation and Translation - Vietnamese/English	3.0
Law and Society		*3.0*
LAW 100	Law and Society	3.0
	–or–	
PARA 100	Law and Society	3.0
LAW 110	Legal Terminology	2.0
BA 149	Technology for Interpreters & Translators	1.0
Legal Ethics		*3.0*
PARA 121	Legal Ethical Reasoning	3.0
	–or–	
LAW 121	Legal Ethical Reasoning	3.0
Work Experience		*3.0*
PARA 105	Work Experience - CLIRRC	1.0-4.0
	–or–	
PARA 299	Work Experience - Paralegal	1.0-4.0
	–or–	
LAW 299	Work Experience - Law	1.0-4.0
		Total: 13.0-16.0

Legal Office Technician: Certificate of Achievement

Program Code: SAC.LOT.CA

Program Control Number: 35673

This certificate program will prepare the student with technical office skills necessary for employment in a law office as an assistant to attorneys and paralegals. This program is not designed to prepare students for the practice of law; it is not designed to meet the requirements of Business and Professions code section 5450 (Paralegal Qualifications); it is not an ABA approved program option.

Learning Outcome(s):

1. Understand the ethical and professional responsibilities of the legal profession
2. Understand the procedures of a law office
3. Achieve an entry level proficiency in the technology utilized in a law office
4. Understand proper formatting, grammar and punctuation of business documents
5. Have an introduction to basic Accounting procedures

Courses		*22.0-25.0*
Law and Society		*3.0*
LAW 100	Law and Society	3.0
	–or–	
PARA 100	Law and Society	3.0
Legal Ethics		*3.0*
LAW 121	Legal Ethical Reasoning	3.0
	–or–	
PARA 121	Legal Ethical Reasoning	3.0
Business Writing or Communications		*3.0*
BA 100	Business Writing Skills	3.0
	–or–	
BUS 222	Business Writing	3.0
	–or–	
MGMT 122	Business Communications	3.0
PARA 101	Law Office Management	2.0
LAW 110	Legal Terminology	2.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
ACCT 120	QuickBooks Online	4.0
BA 163	Adobe Acrobat	3.0
Work Experience		*1.0-4.0*
PARA 105	Work Experience - CLIRRC	1.0-4.0
	–or–	
PARA 299	Work Experience - Paralegal	1.0-4.0
	–or–	
LAW 299	Work Experience - Law	1.0-4.0
		Total: 22.0-25.0

Pathway to Law School: Certificate of Achievement

Program Code: SAC.LAW.CA

Program Control Number: 33855

Any student with a goal to enter law school should complete the Pathway to Law School program. This program is recognized as part of the California State Bar and California Community College State Chancellor's office initiative "Pathway to Law School."

Students interested in a career in law should also complete their Associate's Degree in an academic major leading to transfer to a four-year institution. The Pathway to Law School certificate provides students with an opportunity to major in the subject of their choice while improving their abilities in areas that are associated with success in law school and the practice of law.

Participation in this program does not guarantee admission to any participating university or law school.

Learning Outcome(s):

1. Understand the requirements to successfully enroll in Law School
2. Understand career opportunities in the legal profession.

Law and Society		*3.0*
		3.0
LAW 100	Law and Society	3.0
PARA 100	Law and Society	3.0
Critical Thinking		*4.0*
		4.0
ENGL C1001	Critical Thinking and Writing	4.0
ENGL C1001H	Critical Thinking and Writing - Honors	4.0
PHIL 110	Critical Thinking	4.0
PHIL 110H	Honors Critical Thinking	4.0
PHIL 111	Introductory Logic	4.0
Statistics		*4.0-4.5*
		4.0-4.5
STAT C1000	Introduction to Statistics	4.0
STAT C1000H	Introduction to Statistics - Honors	4.0
STAT C1000E	Introduction to Statistics	4.5
PSYC 210	Statistics for the Behavioral Sciences	4.0
Academic Reading and Writing		*4.0*
		4.0
ENGL C1000	Academic Reading and Writing	4.0
ENGL C1000H	Academic Reading and Writing - Honors	4.0
History		*3.0*
		3.0
HIST C1001	United States History to 1877	3.0
HIST C1001H	United States History to 1877 - Honors	3.0
HIST 118	Social and Cultural History of the United States	3.0
HIST C1002	United States History since 1865	3.0
HIST C1002H	United States History since 1865 - Honors	3.0
HIST 123	African American History to 1865	3.0
HIST 124	Mexican American History in the United States	3.0
HIST 124H	Honors Mexican American History in the United States	3.0
HIST 127	Women in U.S. History	3.0
HIST 146	African American History from 1863 to the Present	3.0
Government		*3.0*
		3.0
POLS C1000	American Government and Politics	3.0
POLS C1000H	American Government and Politics - Honors	3.0
Business Law	*3.0*	
		3.0
BUS 105	Legal Environment of Business	3.0
BUS 101	Business Law	3.0
LAW 105	Legal Environment of Business	3.0
Legal Ethics		*3.0*
		3.0
PARA 121	Legal Ethical Reasoning	3.0
LAW 121	Legal Ethical Reasoning	3.0
Argumentation		*3.0-4.0*
		3.0-4.0
CMST 140	Argumentation and Debate	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
Legal Experience Course		*1.0-4.0*
		1.0-4.0
LAW 299	Work Experience - Law	1.0-4.0
PARA 105	Work Experience - CLIRRC	1.0-4.0
PARA 299	Work Experience - Paralegal	1.0-4.0
LAW 170	Mock Trial	2.0

Total: 31.0-35.5

LIBERAL ARTS

Liberal Arts American Studies Emphasis: A.A. Degree

Program Code: SAC.LAAS.AA

Program Control Number: 18580

This is a diversified degree designed for students desiring a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis". The degree allows students to develop an appreciation and understanding of the beauty and values that have shaped and enriched our culture. The program of study also enables students to develop intellectual maturity, and a deeper understanding of themselves and the American heritage.

This program provides excellent preparation for a variety of personal and professional goals. Please consult a counselor for educational planning and information regarding specific goals.

I. Requirements:

Complete general education Plan 1 (associate degree AA/AS only, nontransfer) or Plan 2 (Cal-GETC, CSU or UC transfer) as related to your educational goal. The CSU GE or IGETC pattern may be used in some cases; please see a counselor for details.

Complete a minimum of 18 units from a single Area of Emphasis listed below. For depth of study, students are strongly encouraged to complete two or more courses in a single discipline as part of their 18 units. (Note: Courses in the chosen "Area of Emphasis" may also be applied toward general education areas on Plans 1 and 2.) Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

Complete all other associate degree requirements for Santa Ana College.

II. Areas of Emphasis:

1. American Studies Emphasis 2. Arts, Humanities and Communications Emphasis 3. Business and Technology Emphasis 4. Kinesiology and Wellness Emphasis 5. Mathematics and Science Emphasis 6. Social And Behavioral Sciences Emphasis

1 . American Studies (sac.laas.aa)

These courses emphasize the peoples, cultures, institutions, and cultural trends of the United States. Students will examine American culture as a whole from various perspectives. Students will also learn how this country has been shaped by a variety of disciplines while recognizing the diversity of our culture. This emphasis may be

of interest to those planning to pursue careers in business, communications, government service, law, social services, and teaching.

NOTE: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

Learning Outcome(s):

1. Students will study American culture as a whole from various perspectives.
2. Students will examine the formation of our country while recognizing the diversity of our culture.

Courses:		*18.0*
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
ASL 110	American Sign Language I	4.0
	–or–	
ASL 110H	Honors American Sign Language I	4.0
ASL 111	American Sign Language II	4.0
	–or–	
ASL 111H	Honors American Sign Language II	4.0
ASL 112	Deaf Culture	3.0
ASL 116	Introduction to Deaf Studies	3.0
ASL 210	American Sign Language III	4.0
	–or–	
ASL 210H	Honors American Sign Language III	4.0
ASL 211	American Sign Language IV	4.0
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
ANTH 104	Language and Culture	3.0
	–or–	
ANTH 104H	Honors Language and Culture	3.0
ANTH 125	Native Americans in the U.S.	3.0
ART 103	Arts of Africa, Oceania, and Indigenous North America	3.0
ART 104	Mexican and Chicano Art History	3.0
ART 108	Contemporary Art History: Art Since Mid-Twentieth Century	3.0
ASIA 150	Introduction to Asian American Studies	3.0
BIOL 200	Human Ecology	3.0
BLST 150	Introduction to African/Black American Studies	3.0
CHST 150	Introduction to Chicana/Chicano Studies	3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
CDEV 221	Teaching in a Diverse Society	3.0
CMST 103	Introduction to Intercultural Communication	3.0
	–or–	
CMST 103H	Honors Introduction to Intercultural Communication	3.0
CMST 206	Gender Communication	3.0
	–or–	
CMST 206H	Honors Gender Communication	3.0
CMPR 100	Computer, AI, & Society	3.0
CNSL 116	Career/Life Planning and Personal Exploration	3.0
CNSL 128	Introduction to Community Activism	3.0
CNSL 150	Introduction to Social Work and Human Services	3.0
CJ 101	Introduction to Criminal Justice	3.0
	–or–	
CJ 101H	Honors Introduction to Criminal Justice	3.0
CJ 107	Principles and Procedures in the Criminal Justice System	3.0
DNCE 100	Dance History and Appreciation	3.0
	–or–	
DNCE 100H	Honors Dance History and Appreciation	3.0
DM 101	TV and Society: A Visual History	3.0
DM 103	History of Film to 1945	3.0
DM 104	History of Film from 1945 to Present	3.0
EDUC 201	Introduction to Elementary Classroom Teaching	3.0
ENGL 104	Language and Culture	3.0
	–or–	
ENGL 104H	Honors Language and Culture	3.0
ENGL 241	Survey of American Literature 1600-1865	3.0
ENGL 242	Survey of American Literature, 1865-Present	3.0
ENGL 243	The Modern American Novel	3.0
ENGL 245	The Image of African Americans in Literature and Films	3.0
ENGL 246	Survey of Chicano Literature	3.0
Course		
ENVR 200	Human Ecology	3.0
ETHN 102	The Borderlands: Cultural Context and Intercultural Relations	3.0
	–or–	
ETHN 102H	Honors the Borderlands: Cultural Context and Intercultural Relations	3.0
ETHN 150	Introduction to Ethnic Studies	3.0
	–or–	
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
GEOG 140	California Geography	3.0
HIST 118	Social and Cultural History of the United States	3.0
HIST 123	African American History to 1865	3.0
HIST 124	Mexican American History in the United States	3.0
	–or–	
HIST 124H	Honors Mexican American History in the United States	3.0

Liberal Arts Arts, Humanities and Communications Emphasis: A .A. Degree		
HIST 125	Native Americans in the U.S.	3.0
HIST 127	Women in U.S. History	3.0
HIST 129	LGBTQ+ History in the U.S.	3.0
HIST 133	History of California	3.0
HIST 146	African American History from 1863 to the Present	3.0
HIST C1001	United States History to 1877	3.0
HIST C1001H	United States History to 1877 - Honors	3.0
HIST C1002	United States History since 1865	3.0
HIST C1002H	United States History since 1865 - Honors	3.0
JAMS 105	Mass Media and Society	3.0
JAMS 111	Media, Race and Gender	3.0
JAMS 121	Reporting and Writing the News	3.0
KNHE 101	Healthful Living	3.0
	–or–	
KNHE 101H	Honors Healthful Living	3.0
KNHE 102	Women's Health Issues	3.0
KNPR 170	Sport Ethics	3.0
LAW 100	Law and Society	3.0
MUS 103	Jazz in America	3.0
MUS 104	Rock Music History and Appreciation	3.0
MUS 105	Film Music Appreciation	3.0
NUTR 120	Food and Culture	3.0
PARA 100	Law and Society	3.0

PARA 107	Principles and Procedures in the Criminal Justice System	3.0
POLS C1000	American Government and Politics	3.0
	–or–	
POLS C1000H	American Government and Politics - Honors	3.0
POLT 200	American Political Thought	3.0
	–or–	
POLT 200H	Honors American Political Thought	3.0
POLT 235	Identity Politics	3.0
PSYC 170	Multicultural Psychology	3.0
Courses		
SOC 112	Relationships, Marriages, and Family Dynamics	3.0
SOC 140	Social Problems	3.0
	–or–	
SOC 140H	Honors Social Problems	3.0
SOC 150	Intro to Race and Ethnicity	3.0
SOC 286	Introduction to LGBTQ+ Studies	3.0
THEA 100	Introduction to Theatre	3.0
THEA 120	Musical Theatre History	3.0
WMNS 101	Introduction to Women's Studies	3.0
WMNS 102	Money, Sex, and Power	3.0
WMNS 286	Introduction to LGBTQ+ Studies	3.0
		Total: 18.0

Liberal Arts Arts, Humanities and Communications Emphasis: A.A. Degree

Program Code: SAC.LAAHC.AA

Program Control Number: 18581

This is a diversified degree designed for students desiring a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis". The degree allows students to develop an appreciation and understanding of the beauty and values that have shaped and enriched our culture. The program of study also enables students to develop intellectual maturity, and a deeper understanding of themselves and the American heritage.

This program provides excellent preparation for a variety of personal and professional goals. Please consult a counselor for educational planning and information regarding specific goals.

I. Requirements:

Complete general education Plan 1 (associate degree AA/AS only, nontransfer) or Plan 2 (Cal-GETC, CSU or UC transfer) as related to your educational goal. The CSU GE or IGETC pattern may be used in some cases; please see a counselor for details.

Complete a minimum of 18 units from a single Area of Emphasis listed below. For depth of study, students are strongly encouraged to complete two or more courses in a single discipline as part of their 18 units. (Note: Courses in the chosen "Area of Emphasis" may also be applied toward general education areas on Plans 1 and 2.) Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

Complete all other associate degree requirements for Santa Ana College.

II. Areas of Emphasis:

1. American Studies Emphasis 2. Arts, Humanities and Communications Emphasis 3. Business and Technology Emphasis 4. Kinesiology and Wellness Emphasis 5. Mathematics and Science Emphasis 6. Social And Behavioral Sciences Emphasis

2. Arts, Humanities and Communications (sac.laahc.aa)

These courses emphasize the study of cultural, literary, humanistic activities and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will learn to value aesthetic understanding and incorporate these concepts when constructing value judgments. A course from each of the three areas, Arts, Humanities, and Communications must be included in the 18 units selected for this emphasis. This emphasis may be of interest to those planning to pursue careers in art history, communications, dance, deaf studies, English, languages, music, philosophy, studio art, teaching, and theatre arts.

Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

Learning Outcome(s):

1. Students will evaluate and interpret the ways in which people through the ages and in different cultures have expressed their experiences and interpretations of the world around them through artistic and cultural creation.
2. Students will appraise aesthetic understanding and formulate these concepts when constructing value judgements.

Arts: Minimum 3-4 units from this block		
ART 100	Introduction to Art Concepts	3.0
ART 100H	Honors Introduction to Art Concepts	3.0
ART 103	Arts of Africa, Oceania, and Indigenous North America	3.0
ART 104	Mexican and Chicano Art History	3.0
ART 105	History of Modern Art	3.0
ART 106	Asian Art History	3.0
ART 108	Contemporary Art History: Art Since Mid-Twentieth Century	3.0
ART 110	Two-Dimensional Design	3.0
ART 127	Drawing for Non-Art Majors	2.0
ART 130	Introduction to Drawing	3.0
ART 230	Intermediate Drawing	3.0
ART 233	Advanced Drawing	3.0
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
DNCE 100	Dance History and Appreciation	3.0
DNCE 100H	Honors Dance History and Appreciation	3.0
DNCE 101	Dance as Communication	3.0
DNCE 102	Introduction to Dance Forms	3.0
DNCE 104	History and Appreciation of Screendance	3.0
DNCE 105	World Dance and Cultures	3.0
DM 101	TV and Society: A Visual History	3.0
DM 102	History of Global Cinema	3.0
DM 103	History of Film to 1945	3.0
DM 104	History of Film from 1945 to Present	3.0
DM 107	History of Animation	3.0
DM 113	Introduction to Digital Media Design Principles	3.0
ENGL 233A	Shakespeare's Comedies and Romances	3.0
ENGL 233B	Shakespeare's Tragedies and History Plays	3.0
ENGL 233C	Shakespeare's Theatre	3.0
IDS 121	Humanities Through the Arts	3.0
JAMS 103	Introduction to Visual Communications	3.0
JAMS 105	Mass Media and Society	3.0
MUS 101	Music Appreciation	3.0
MUS 101H	Honors Music Appreciation	3.0
MUS 102	World Music	3.0
MUS 102H	Honors World Music	3.0
MUS 103	Jazz in America	3.0
MUS 104	Rock Music History and Appreciation	3.0
MUS 105	Film Music Appreciation	3.0
MUS 110	Music Fundamentals	3.0

MUS 111	Music Theory and Musicianship I	4.0
PHOT 150	History of Photography	3.0
THEA 105	Theatre History 1	3.0
THEA 100	Introduction to Theatre	3.0
THEA 120	Musical Theatre History	3.0
THEA 123	Introduction to Drama and Acting	3.0
Humanities: Minimum 3-5 units from this block		
ANTH 104	Language and Culture	3.0
ANTH 104H	Honors Language and Culture	3.0
ASL 110	American Sign Language I	4.0
ASL 110H	Honors American Sign Language I	4.0
ASL 111	American Sign Language II	4.0
ASL 111H	Honors American Sign Language II	4.0
ASL 112	Deaf Culture	3.0
ASL 116	Introduction to Deaf Studies	3.0
ASL 210	American Sign Language III	4.0
ASL 210H	Honors American Sign Language III	4.0
ASL 211	American Sign Language IV	4.0
ASIA 150	Introduction to Asian American Studies	3.0
BLST 150	Introduction to African/Black American Studies	3.0
CHST 150	Introduction to Chicana/Chicano Studies	3.0
CHNS 101	Elementary Chinese I	5.0
CHNS 102	Elementary Chinese II	5.0
DM 105	History of Latin American Cinema	3.0
DM 164	Web Design	3.0
ENGL 104	Language and Culture	3.0
ENGL 104H	Honors Language and Culture	3.0
ENGL 220	Survey of the Bible as Literature	3.0
ENGL 231	Survey of English Literature I	3.0
ENGL 232	Survey of English Literature II	3.0
ENGL 233A	Shakespeare's Comedies and Romances	3.0
ENGL 233B	Shakespeare's Tragedies and History Plays	3.0
ENGL 233C	Shakespeare's Theatre	3.0
ENGL 241	Survey of American Literature 1600-1865	3.0
ENGL 242	Survey of American Literature, 1865-Present	3.0
ENGL 243	The Modern American Novel	3.0
ENGL 245	The Image of African Americans in Literature and Films	3.0
ENGL 246	Survey of Chicano Literature	3.0
ENGL 270	Children's Literature	3.0
ENGL 271	Survey of World Literature I	3.0
ENGL 272	Survey of World Literature II	3.0
ENGL 278	Survey of Literature by Women	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
ETHN 102	The Borderlands: Cultural Context and Intercultural Relations	3.0
ETHN 102H	Honors the Borderlands: Cultural Context and Intercultural Relations	3.0
ETHN 150	Introduction to Ethnic Studies	3.0
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
FREN 101	Elementary French I	5.0
FREN 102	Elementary French II	5.0
FREN 201	Intermediate French I	5.0
FREN 201H	Honors Intermediate French I	5.0
FREN 202	Intermediate French II	5.0
FREN 202H	Honors Intermediate French II	5.0
HIST 101	World Civilizations to the 16th Century	3.0
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
	–or–	
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
HIST 118	Social and Cultural History of the United States	3.0
HIST 150	Latin American Civilization to Independence	3.0
HIST 151	Modern Latin American Civilization	3.0
HIST 153	History of Mexico	3.0
IDS 121	Humanities Through the Arts	3.0
IDS 200	Introduction to Liberal Studies	3.0
ITAL 120	Elementary Italian I	5.0
ITAL 121	Elementary Italian II	5.0
JAMS 103	Introduction to Visual Communications	3.0
JAMS 110	Introduction to Creative Nonfiction	4.0
JAMS 111	Media, Race and Gender	3.0
JAPN 101	Elementary Japanese I	5.0
JAPN 102	Elementary Japanese II	5.0
KNPR 170	Sport Ethics	3.0
PHIL 106	Introduction to Philosophy	3.0
	–or–	
PHIL 106H	Honors Introduction to Philosophy	3.0
PHIL 108	Ethics	3.0
PHIL 112	World Religions	3.0
PHIL 118	History of Philosophy	3.0
SPAN 101	Elementary Spanish I	5.0
	–or–	
SPAN 101H	Honors Elementary Spanish I	5.0
SPAN 102	Elementary Spanish II	5.0
	–or–	
SPAN 102H	Honors Elementary Spanish II	5.0
SPAN 195A	Advanced Conversational Spanish	3.0
SPAN 195B	Advanced Conversational Spanish	3.0
SPAN 201	Intermediate Spanish I	5.0
	–or–	
SPAN 201H	Honors Intermediate Spanish I	5.0
SPAN 202	Intermediate Spanish II	5.0
	–or–	
SPAN 202H	Honors Intermediate Spanish II	5.0
VIET 101	Elementary Vietnamese I	5.0
VIET 102	Elementary Vietnamese II	5.0
Communications: Minimum 3-4 units from this block		
CMST 100	Introduction to Communication Studies	3.0
CMST 103	Introduction to Intercultural Communication	3.0
CMST 103H	Honors Introduction to Intercultural Communication	3.0
CMST 113	Introduction to Storytelling	3.0
CMST 140	Argumentation and Debate	3.0
CMST 145	Group Dynamics	3.0
CMST 150	Organizational Communication	3.0
COMM C1000	Introduction to Public Speaking	3.0
	–or–	
COMM C1000H	Introduction to Public Speaking - Honors	3.0
COMM C1004	Interpersonal Communication	3.0
	–or–	
COMM C1004H	Interpersonal Communication - Honors	3.0
CNSL 144	Reasoning and Problem Solving	3.0
ENGL C1000	Academic Reading and Writing	4.0
ENGL C1000E	Academic Reading and Writing	5.0

ENGL C1000H	Academic Reading and Writing - Honors	4.0
ENGL C1001	Critical Thinking and Writing	4.0
ENGL C1001H	Critical Thinking and Writing - Honors	4.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
EMLS 112	Advanced Composition	4.0
PHIL 110	Critical Thinking	4.0
PHIL 110H	Honors Critical Thinking	4.0
PHIL 111	Introductory Logic	4.0
		Total: 18

Liberal Arts Business and Technology Emphasis: A.A. Degree

Program Code: SAC.LABT.AA

Program Control Number: 18582

This is a diversified degree designed for students desiring a broad knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis”. The degree allows students to develop an appreciation and understanding of the beauty and values that have shaped and enriched our culture. The program of study also enables students to develop intellectual maturity, and a deeper understanding of themselves and the American heritage.

This program provides excellent preparation for a variety of personal and professional goals. Please consult a counselor for educational planning and information regarding specific goals.

I. Requirements:

1. Complete general education Plan 1 (associate degree AA/AS only, nontransfer) or Plan 2 (Cal-GETC, CSU or UC transfer) as related to your educational goal. The CSU GE or IGETC pattern may be used in some cases; please see a counselor for details.
2. Complete a minimum of 18 units from a single Area of Emphasis listed below. For depth of study, students are strongly encouraged to complete two or more courses in a single discipline as part of their 18 units. (Note: Courses in the chosen “Area of Emphasis” may also be applied toward general education areas on Plans 1 and 2.) Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.
3. Complete all other associate degree requirements for Santa Ana College.

II. Areas of Emphasis:

1. American Studies Emphasis 2. Arts, Humanities and Communications Emphasis 3. Business and Technology Emphasis 4. Kinesiology and Wellness Emphasis 5. Mathematics and Science Emphasis 6. Social And Behavioral Sciences Emphasis

3. Business and Technology (sac.labt.aa)

These courses emphasize the integration of theory and practice within the fields of business and technology. Students will develop the ability to effectively manage and lead organizations. Students will demonstrate an understanding of the place of business and technology within the global economy. Students will critically apply ethical standards to business practices and decisions. Courses from both Business and Technology must be included in the 18 units selected for this emphasis. This emphasis may be of interest to those planning to pursue careers in accounting, business administration, computer information systems, computer science, engineering, finance, international business, and law.

Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

Learning Outcome(s):

1. Students will critique and analyze the place of business and technology within the global economy.
2. Students will examine the integration of theory and practice within the fields of business and technology.

Business: Minimum 2-4.5 units from this block		
ACCT 101	Financial Accounting	4.0
ACCT 102	Managerial Accounting	4.0
BUS 100	Fundamentals of Business	3.0
BUS 101	Business Law	3.0
BUS 105	Legal Environment of Business	3.0
BUS 106	Culture and International Business - Kiss, Bow or Shake Hands	3.0
BUS 120	Principles of Management	3.0
BUS 121	Human Relations and Organizational Behavior	3.0
BUS 125	Introduction to International Business	3.0
BUS 140	Principles of Finance	3.0
BUS 150	Introduction to Information Systems and Applications	3.0
BUS 222	Business Writing	3.0
ECON C2001	Principles of Microeconomics	3.0
ECON C2002	Principles of Macroeconomics	3.0
LAW 105	Legal Environment of Business	3.0
MGMT 122	Business Communications	3.0
MGMT 135	Human Resource Management	3.0
MKTG 113	Principles of Marketing	3.0
MATH 140	College Algebra	4.0
MATH 140S	College Algebra with Support	4.5
MATH 150	Calculus for Biological, Management and Social Sciences	5.0
MATH 172	Algebra and Trigonometry for Calculus	3.0
MATH C2210	Calculus I: Early Transcendentals	4.0
PARA 131	Advanced ADR Practice	2.0
PARA 133	Workers Compensation Law and Procedure	2.0
PARA 136	Landlord Tenant Law and Procedure	2.0
PARA 138	Law of Business Organizations	2.0
PARA 140	Immigration Law and Procedure	2.0
PSYC 210	Statistics for the Behavioral Sciences	4.0
STAT C1000	Introduction to Statistics	4.0
STAT C1000H	Introduction to Statistics - Honors	4.0
STAT C1000E	Introduction to Statistics	4.5
Technology: Minimum 1.5-3 units from this block		
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
CMPR 100	Computer, AI, & Society	3.0
CMPR 105	Visual BASIC Programming	3.0
CMPR 121	Programming Concepts	3.5
CMPR 136	Building a Small Office/Home Office Network	1.5
CMPR 167	Microsoft Access	3.0
ENGR 100A	Introduction to Engineering	3.0
ENGR 100B	Introduction to Civil Engineering	2.0
		Total: 18

Liberal Arts Kinesiology and Wellness Emphasis: A.A. Degree
Program Code: SAC.LAKW.AA
Program Control Number: 19268

This is a diversified degree designed for students desiring a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis". The degree allows students to develop an appreciation and understanding of the beauty and values that have shaped and enriched our culture. The program of study also enables students to develop intellectual maturity, and a deeper understanding of themselves and the American heritage.

This program provides excellent preparation for a variety of personal and professional goals. Please consult a counselor for educational planning and information regarding specific goals.

I. Requirements:

1. Complete general education Plan 1 (associate degree AA/AS only, nontransfer) or Plan 2 (Cal-GETC, CSU or UC transfer) as related to your educational goal. The CSU GE or IGETC pattern may be used in some cases; please see a counselor for details.
2. Complete a minimum of 18 units from a single Area of Emphasis listed below. For depth of study, students are strongly encouraged to complete two or more courses in a single discipline as part of their 18 units. (Note: Courses in the chosen "Area of Emphasis" may also be applied toward general education areas on Plans 1 and 2.) Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.
3. Complete all other associate degree requirements for Santa Ana College.

II. Areas of Emphasis:

1. American Studies Emphasis 2. Arts, Humanities and Communications Emphasis 3. Business and Technology Emphasis 4. Kinesiology and Wellness Emphasis 5. Mathematics and Science Emphasis 6. Social And Behavioral Sciences Emphasis

4. Kinesiology and Wellness (sac.lakw.aa)

These courses provide an understanding of kinesiology, the mechanics of the human body, and the integration of behavior and communication in the promotion of a healthy lifestyle. Students will also demonstrate knowledge of a range of physical activities. This emphasis may be of interest to those planning to pursue careers in teaching, athletic training, coaching, nutrition, and dance.

Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

Learning Outcome(s):

1. Students will develop and demonstrate an understanding of the mechanics of the human body as it relates to the promotion of a healthy lifestyle.
2. Students will demonstrate knowledge of a range of physical activities.

a. Kinesiology and Movement (minimum 3 units)		*18.0*
DNCE 100	Dance History and Appreciation	3.0
	–or–	
DNCE 100H	Honors Dance History and Appreciation	3.0
DNCE 102	Introduction to Dance Forms	3.0
DNCE 105	World Dance and Cultures	3.0
KNHE 101	Healthful Living	3.0
KNHE 101H	Honors Healthful Living	3.0
KNHE 102	Women's Health Issues	3.0
KNHE 103	Men's Health Issues	3.0
KNHE 104	Nutrition and Fitness	2.0
KNHE 106	Cardiopulmonary Resuscitation and First Aid	3.0
KNHE 108	Stress Management	3.0
KNPR 101	Introduction to Kinesiology	3.0
KNPR 125	Sport Psychology	3.0
KNPR 150	Sport and Society	3.0
KNPR 155	Theory of Soccer	2.0
KNPR 160	Sport and Fitness Management	3.0
KNPR 165	Theory of Softball	2.0
KNPR 170	Sport Ethics	3.0
KNPR 175	Theory of Football	2.0
KNPR 195	Student Athlete Success	1.0
KNPR 200	Theory of Baseball	2.0
KNPR 275	Sport Psychology Applications-Football	2.0
KNSM 101	Introduction to Sports Medicine	3.0
b. Scientific and Nutrition Foundation (minimum 3 units)		
ANTH 101	Introduction to Biological Anthropology	3.0
ANTH 101L	Biological Anthropology Laboratory	1.0
BIOL 109	Fundamentals of Biology	3.0
BIOL 109H	Honors Fundamentals of Biology	3.0
BIOL 109L	Fundamentals of Biology Laboratory	1.0
BIOL 115	Concepts in Biology for Educators	4.0
BIOL 139	Health Microbiology	4.0
BIOL 149	Human Anatomy and Physiology	4.0
BIOL 177	Human Genetics	3.0
BIOL 200	Human Ecology	3.0
BIOL 211	Cellular and Molecular Biology	5.0
BIOL 212	Animal Diversity and Ecology	5.0
BIOL 214	Plant Diversity and Evolution	5.0
BIOL 217	Pathophysiology	3.0
BIOL 229	General Microbiology	5.0
BIOL 239	General Human Anatomy	4.0
BIOL 249	Human Physiology	4.0
BIOL 259	Environmental Biology	4.0
BIOL 275	Cell and Molecular Biology	4.0
CHEM 109	Chemistry in the Community	4.0
CHEM 115	Concepts in Physical Sciences for Educators	4.0
CHEM 209	Introductory Chemistry	4.0
CHEM 210	General, Organic and Biochemistry	5.0
CHEM 219	General Chemistry	5.0
CHEM 219H	Honors General Chemistry	5.0
CHEM 229	General Chemistry and Qualitative Analysis	5.0
ENVR 200	Human Ecology	3.0
IDS 155	Human Sexuality	3.0
NUTR 115	Nutrition	3.0
NUTR 115H	Honors Nutrition	3.0
NUTR 116	Principles of Food Preparation	3.0
NUTR 120	Food and Culture	3.0
PHYS 109	Survey of General Physics	4.0
PHYS 210	Principles of Physics I	4.0
PHYS 211	Principles of Physics II	4.0
PHYS 217	Engineering Physics I	4.0
PHYS 227	Engineering Physics II	4.0
PHYS 237	Engineering Physics III	4.0
PHYS 279	College Physics I	4.0
PHYS 289	College Physics II	4.0
c. Behavioral Development, Communication, and Diversity (Minimum 3 units)		
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
ASIA 150	Introduction to Asian American Studies	3.0
BLST 150	Introduction to African/Black American Studies	3.0

CHST 150	Introduction to Chicana/Chicano Studies	3.0
CDEV C1000	Child Growth and Development	3.0
CMST 100	Introduction to Communication Studies	3.0
COMM 1004	Interpersonal Communication	3.0
COMM 1004H	Interpersonal Communication - Honors	3.0
CMST 103	Introduction to Intercultural Communication	3.0
CMST 103H	Honors Introduction to Intercultural Communication	3.0
CMST 113	Introduction to Storytelling	3.0
CMST 140	Argumentation and Debate	3.0
CMST 145	Group Dynamics	3.0
CMST 150	Organizational Communication	3.0
CMST 206	Gender Communication	3.0
CMST 206H	Honors Gender Communication	3.0
COMM C1000	Introduction to Public Speaking	3.0
COMM C1000H	Introduction to Public Speaking - Honors	3.0
CNSL 100	Lifelong Understanding and Self-Development	2.0
CNSL 107	The Freshman Experience	3.0
CNSL 116	Career/Life Planning and Personal Exploration	3.0
CNSL 124	College Success and Personal Growth	3.0
CNSL 150	Introduction to Social Work and Human Services	3.0
CNSL 155	Skills for the Helping Professions	3.0
ETHN 150	Introduction to Ethnic Studies	3.0
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
KNHE 112	Health and Social Justice	3.0
PSYC 140	Introduction to Psychology of Adulthood and Aging	3.0
PSYC 157	Introduction to Child Psychology	3.0
PSYC 170	Multicultural Psychology	3.0
PSYC 190	Psychology of Human Sexuality	3.0
PSYC 201	Introduction to Biological Psychology	4.0
PSYC 230	Psychology of Adjustment	3.0
PSYC 240	Introduction to Social Psychology	3.0
PSYC 250	Introduction to Psychopathology	3.0
PSYC C1000	Introduction to Psychology	3.0
PSYC C1000H	Introduction to Psychology - Honors	3.0
SOC 100	Introduction to Sociology	3.0
SOC 100H	Honors Introduction to Sociology	3.0
SOC 112	Relationships, Marriages, and Family Dynamics	3.0
SOC 140	Social Problems	3.0
SOC 140H	Honors Social Problems	3.0
SOC 150	Intro to Race and Ethnicity	3.0
SOC 240	Introduction to Social Psychology	3.0
SOC 286	Introduction to LGBTQ+ Studies	3.0
WMNS 101	Introduction to Women's Studies	3.0
WMNS 102	Money, Sex, and Power	3.0
WMNS 286	Introduction to LGBTQ+ Studies	3.0
d. Physical Activity (6 units selected from at least three different areas)		
DNCE 009A	Dance Laboratory I	0.5
DNCE 102	Introduction to Dance Forms	3.0
DNCE 106A	Introduction to Modern Dance - I	1.0
DNCE 106B	Introduction to Modern Dance - II	1.0
DNCE 107A	Dance Concert Performance - I	1.0
DNCE 107B	Dance Concert Performance - II	1.0
DNCE 107C	Dance Concert Performance - III	1.0
DNCE 107D	Dance Concert Performance - IV	1.0
DNCE 108A	Introduction to Ballet - I	1.0
DNCE 108B	Introduction to Ballet - II	1.0
DNCE 109A	Pilates Mat I	1.0
DNCE 109C	Pilates Mat III	1.0
DNCE 109C	Pilates Mat III	1.0
DNCE 110	Beginning Mexican Folk Dance	1.0
DNCE 111	Intermediate Mexican Folk Dance I	1.0
DNCE 112A	Introduction to Ethnic Dance Forms	1.0
DNCE 113A	Introduction to Flamenco Dance - I	1.0
DNCE 113B	Introduction to Flamenco Dance - II	1.0
DNCE 114	Conditioning for Dance	1.0
DNCE 118	Introduction to Caribbean and Latin Dance Styles	1.0
DNCE 119A	Introduction to Jazz Dance - I	1.0
DNCE 119B	Introduction to Jazz Dance - II	1.0
DNCE 120A	Introduction to Hip-Hop Dance	1.0
DNCE 120B	Intermediate Hip-Hop Dance	1.0
DNCE 122A	Commercial Dance I	1.0
DNCE 122B	Commercial Dance II	1.0
DNCE 123	Introduction to Salsa Dance	1.0
DNCE 124A	Salsa Dance I	1.0
DNCE 125A	Commercial Dance III	1.0
DNCE 125B	Commercial Dance IV	1.0
DNCE 140	Dance Repertory Workshop	1.0
DNCE 201A	Ballet I	2.0
DNCE 201B	Ballet II	2.0
DNCE 201C	Ballet III	2.0
DNCE 201D	Ballet IV	2.0
DNCE 202A	Choreography I	2.0
DNCE 202B	Choreography II	2.0
DNCE 204A	Dance Production I	2.0
DNCE 204B	Dance Production II	2.0
DNCE 204C	Dance Production III	2.0
DNCE 204D	Dance Production IV	2.0
DNCE 205A	Dance Touring Ensemble I	2.0
DNCE 205B	Dance Touring Ensemble II	2.0
DNCE 205C	Dance Touring Ensemble III	2.0
DNCE 205D	Dance Touring Ensemble IV	2.0
DNCE 206A	Modern Dance I	2.0
DNCE 206B	Modern Dance II	2.0
DNCE 209	Modern Dance III	2.0
DNCE 210	Modern Dance IV	2.0
DNCE 219A	Jazz Dance I	2.0
DNCE 219B	Jazz Dance II	2.0
DNCE 220	Jazz Dance III	2.0
DNCE 221	Jazz Dance IV	2.0
DNCE 240A	Repertory I	2.0
DNCE 240B	Repertory II	2.0
DNCE 240C	Repertory III	2.0
DNCE 240D	Repertory IV	2.0
DNCE 250A	Hip-Hop Dance I	2.0
DNCE 250B	Hip-Hop Dance II	2.0
DNCE 251	Hip-Hop Dance III	2.0
DNCE 260	Somatic Practices in Dance	3.0
DNCE 261	Somatic Practices in Modern Dance	3.0
DNCE 262	Somatic Practices in Ballet	3.0
DNCE 263	Somatic Practices in Jazz Dance	3.0
DNCE 270	Dance Practicum	1.0
DNCE 296	Special Studies in Modern Dance	2.0
DNCE 297	Special Studies in Jazz Dance	1.0
DNCE 298	Special Studies in Ballet Dance	2.0

KNAC 107A	Beginning Badminton	0.5-1.0
KNAC 107B	Intermediate Badminton	0.5-1.0
KNAC 107C	Advanced Badminton	0.5-1.0
KNAC 123	Personal Fitness Training	1.0
KNAC 140A	Beginning Karate	0.5-1.0
KNAC 150A	Beginning Hatha Yoga	0.5-1.0
KNAC 155A	Beginning Self-Defense	0.5-1.0
KNAC 160A	Beginning Tennis	0.5-1.0
KNAC 169A	Beginning Wrestling	0.5-1.0
KNAC 169B	Intermediate Wrestling	1.0
KNAC 170A	Beginning Yoga	0.5-1.0
KNAC 200A	Beginning Intramural-Basketball	0.5-1.0
KNAC 200B	Intermediate Intramural Sports- Basketball	0.5-1.0
KNAC 200C	Advanced Intramural Basketball	0.5-1.0
KNAC 211A	Beginning Baseball	0.5-1.0
KNAC 211B	Intermediate Baseball	0.5-1.0
KNAC 220A	Beginning Basketball	0.5-1.0
KNAC 220B	Intermediate Basketball	0.5-1.0
KNAC 220C	Advanced Basketball	0.5-1.0
KNAC 226A	Beginning Water Polo	0.5-1.0
KNAC 230A	Beginning Flag Football	0.5-1.0
KNAC 260A	Beginning Soccer	0.5-1.0
KNAC 260B	Intermediate Soccer	0.5-1.0
KNAC 260C	Advanced Soccer	0.5-1.0
KNAC 265A	Beginning Indoor Soccer	0.5-1.0
KNAC 265B	Intermediate Indoor Soccer	0.5-1.0
KNAC 265C	Advanced Indoor Soccer	0.5-1.0
KNAC 270A	Beginning Softball	0.5-1.0
KNAC 290A	Beginning Volleyball	0.5-1.0
KNAC 290B	Intermediate Volleyball	0.5-1.0
KNAD 201A	Beginning Adapted Swimming	0.5-1.0
KNAD 202A	Beginning Adapted Circuit Training	0.5-1.0
KNAD 202B	Intermediate Adapted Circuit Training	0.5-1.0
KNAD 205A	Beginning Adapted Badminton	0.5-1.0
KNAD 208A	Beginning Adapted Aerobic Fitness	0.5-1.0
KNAD 208B	Intermediate Adapted Aerobic Fitness	0.5-1.0
KNAD 211A	Beginning Adapted Aquatics	0.5-1.0
KNAD 211B	Intermediate Adapted Aquatics	0.5-1.0
KNAF 140A	Beginning Walking/Jogging for Fitness	0.5-1.0
KNAF 143A	Boot Camp Workout	0.5-1.0
KNAF 144A	Beginning Cross Training	0.5-1.0
KNAF 146A	Beginning Stability Ball	0.5-1.0
KNAF 146B	Intermediate Stability Ball Training	1.0
KNAF 150A	Beginning Stretch, Flex and Tone	0.5-1.0
KNAF 156A	Beginning Cardio Kickboxing	0.5-1.0
KNAF 156B	Intermediate Cardio Kickboxing	0.5-1.0
KNAF 157A	Beginning Cardio Pump	0.5-1.0
KNAQ 201A	Beginning Swimming	0.5-1.0
KNAQ 201B	Lap Swimming	0.5-1.0
KNFI 112A	Beginning Circuit Training	0.5-1.0
KNFI 112B	Intermediate Circuit Training	0.5-1.0
KNFI 112C	Advanced Circuit Training	0.5-1.0
KNFI 114A	Beginning Spinning	0.5-1.0
KNFI 114B	Intermediate Spinning	0.5-1.0
KNFI 115A	Beginning Cardiovascular Conditioning	0.5-1.0
KNFI 115B	Intermediate Cardiovascular Conditioning	0.5-1.0
KNFI 115C	Advanced Cardiovascular Conditioning	0.5-1.0
KNFI 147A	Beginning Weight Training	0.5-1.0
KNFI 147B	Intermediate Weight Training	0.5-1.0
KNIA 125	Conditioning for Football	0.5-1.0
KNIA 128	Conditioning for Athletes	0.5-1.0
KNIA 133	Off Season Swimming	0.5-1.0
KNIA 171	Wrestling - Off-Season	0.5-1.0
KNIA 201	Baseball Men	3.0
KNIA 202	Basketball-Men	3.0
KNIA 204	Football-Men	3.0
KNIA 206	Swimming-Men	3.0
KNIA 209	Water Polo-Men	3.0
KNIA 210	Wrestling-Men	3.0
KNIA 211	Softball-Women	3.0
KNIA 212	Basketball--Women	3.0
KNIA 213	Volleyball-Women	3.0
KNIA 216	Soccer-Men	3.0
KNIA 217	Swimming-Women	3.0
KNIA 218	Track-Women	3.0
KNIA 219	Cross Country-Women	3.0
KNIA 220	Soccer-Women	3.0
KNIA 221	Water Polo-Women	3.0
KNIA 223	Baseball	0.5-1.0
KNIA 227	Off Season Waterpolo	0.5-1.0
KNIA 230	Preseason Football	0.5
KNIA 231	Football Camp	1.0
KNIA 232	Football	0.5-1.0
KNIA 235	Speed and Agility	0.5-1.0
KNIA 240	Advanced Basketball Skills-Men	0.5-1.0
KNIA 261	Soccer-Women	0.5-1.0
KNIA 262	Soccer-Men	0.5-1.0
KNIA 270	Softball	0.5
KNIA 271	Softball - Off Season	0.5-1.0
KNIA 281	Track and Field - Off Season	0.5-1.0
KNIA 291	Volleyball - Off Season	0.5-1.0
KNIA 293	Sand Volleyball	3.0

e. Additional units to be selected from a, b, or c above for a total of 18 units

Total: 18.0

Liberal Arts Mathematics and Science Emphasis: A.A. Degree

Program Code: SAC.LAMS.AA

Program Control Number: 18583

This is a diversified degree designed for students desiring a broad knowledge of liberal arts and sciences plus additional coursework in an “Area of Emphasis”. The degree allows students to develop an appreciation and understanding of the beauty and values that have shaped and enriched our culture. The program of study also enables students to develop intellectual maturity, and a deeper understanding of themselves and the American heritage.

This program provides excellent preparation for a variety of personal and professional goals. Please consult a counselor for educational planning and information regarding specific goals.

I. Requirements:

1. Complete general education Plan 1 (associate degree AA/AS only, nontransfer) or Plan 2 (Cal-GETC, CSU or UC transfer) as related to your educational goal. The CSU GE or IGETC pattern may be used in some cases; please see a counselor for details.
2. Complete a minimum of 18 units from a single Area of Emphasis listed below. For depth of study, students are strongly encouraged to complete two or more courses in a single discipline as part of their 18 units. (Note: Courses in the chosen “Area of Emphasis” may also be applied toward general education areas on Plans 1 and 2.) Note: Although a

course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

3. Complete all other associate degree requirements for Santa Ana College.

II. Areas of Emphasis:1. American Studies Emphasis 2. Arts, Humanities and Communications Emphasis 3. Business and Technology Emphasis 4. Kinesiology and Wellness Emphasis 5. Mathematics and Science Emphasis 6. Social And Behavioral Sciences Emphasis

5. Mathematics and Science (sac.lams.aa)

These courses emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. Courses in math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on the development of the world's civilizations. Courses from both mathematics and science must be included in the 18 units selected for the emphasis. This emphasis may of interest to those planning to pursue careers in actuarial science, business, computer science, engineering, forensics, health professions, research, science, teaching and technical writing.

Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

Learning Outcome(s):

1. Students will express and manipulate quantitative information in verbal, numeric, graphic and symbolic form.
2. Students will understand the influence that the acquisition of scientific knowledge has on the development of the world's civilizations.

Required Units:		*18.0*
ANTH 101	Introduction to Biological Anthropology	3.0
ANTH 101L	Biological Anthropology Laboratory	1.0
ASTR 109	Introduction to the Solar System	3.0
ASTR 110	Introduction to Stars and Galaxies	3.0
ASTR 140	Astronomy Laboratory	1.0
BIOL 109	Fundamentals of Biology	3.0
	–or–	
BIOL 109H	Honors Fundamentals of Biology	3.0
BIOL 109L	Fundamentals of Biology Laboratory	1.0
BIOL 111	Marine Biology	4.0
BIOL 115	Concepts in Biology for Educators	4.0
BIOL 149	Human Anatomy and Physiology	4.0
BIOL 177	Human Genetics	3.0
BIOL 190	Introduction to Biotechnology	3.0
BIOL 190L	Introductory Biotech Lab	1.0
BIOL 200	Human Ecology	3.0
BIOL 211	Cellular and Molecular Biology	5.0
BIOL 212	Animal Diversity and Ecology	5.0
BIOL 214	Plant Diversity and Evolution	5.0
BIOL 229	General Microbiology	5.0
BIOL 239	General Human Anatomy	4.0
BIOL 249	Human Physiology	4.0
BIOL 259	Environmental Biology	4.0
BIOL 275	Cell and Molecular Biology	4.0
CHEM 109	Chemistry in the Community	4.0
CHEM 115	Concepts in Physical Sciences for Educators	4.0
CHEM 209	Introductory Chemistry	4.0
CHEM 210	General, Organic and Biochemistry	5.0
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
CHEM 229	General Chemistry and Qualitative Analysis	5.0
CHEM 249	Organic Chemistry I	5.0
CHEM 259	Organic Chemistry II	5.0
ERTH 110	Planet Earth: Introduction to Earth Science	3.0
	–or–	
ERTH 110H	Planet Earth: Honors Introduction to Earth Science	3.0
ERTH 115	Earth Science for Educators	4.0
ERTH 125	Introduction to Climate Science	3.0
ERTH 150	Introduction to Oceanography	3.0
ENVR 140	Environmental Geology	3.0
ENVR 140L	Environmental Geology Lab	1.0
ENVR 200	Human Ecology	3.0
ENVR 259	Environmental Biology	4.0
GEOG 101	Introduction to the Natural Environment	3.0
GEOG 101L	Introduction to the Natural Environment Laboratory	1.0
GEOG 130	Introduction to Weather and Climate	3.0
GEOL 101	Dynamic Earth: Introduction to Geology	3.0
GEOL 101L	Dynamic Earth: Introduction to Geology Laboratory	1.0
GEOL 140	Environmental Geology	3.0
GEOL 140L	Environmental Geology Lab	1.0
GEOL 150	Introduction to Oceanography	3.0
	–or–	
GEOL 150H	Honors Introduction to Oceanography	3.0
GEOL 201	The Earth Through Time	4.0
MATH 105	Mathematics for Liberal Arts Students	4.0
MATH 140	College Algebra	4.0
MATH 140S	College Algebra with Support	4.5
MATH 150	Calculus for Biological, Management and Social Sciences	5.0
MATH 162	Trigonometry	4.0
MATH 170	Pre-Calculus Mathematics	4.0
MATH 172	Algebra and Trigonometry for Calculus	3.0
MATH 180E	Calculus I: Early Transcendentals – Embedded Support	4.5
MATH 280	Intermediate Calculus	4.0
MATH 287	Introduction to Linear Algebra and Differential Equations	5.0
MATH C2210	Calculus I: Early Transcendentals	4.0
MATH C2220	Calculus II: Early Transcendentals	4.0
NUTR 115	Nutrition	3.0
	–or–	
NUTR 115H	Honors Nutrition	3.0
PSC 115	Concepts in Physical Sciences for Educators	4.0
PSC 117	Physical Science Survey	3.0
PSC 118	Physical Science Survey Laboratory	1.0
PHYS 109	Survey of General Physics	4.0
PHYS 210	Principles of Physics I	4.0
PHYS 211	Principles of Physics II	4.0
PHYS 217	Engineering Physics I	4.0
PHYS 227	Engineering Physics II	4.0
PHYS 237	Engineering Physics III	4.0
PHYS 279	College Physics I	4.0
PHYS 289	College Physics II	4.0

PSYC 201	Introduction to Biological Psychology	4.0
PSYC 210	Statistics for the Behavioral Sciences	4.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
STAT C1000E	Introduction to Statistics	4.5
		Total: 18.0

Liberal Arts Social and Behavioral Sciences Emphasis: A.A. Degree

Program Code: SAC.LASBS.AA

Program Control Number: 18584

This is a diversified degree designed for students desiring a broad knowledge of liberal arts and sciences plus additional coursework in an "Area of Emphasis". The degree allows students to develop an appreciation and understanding of the beauty and values that have shaped and enriched our culture. The program of study also enables students to develop intellectual maturity, and a deeper understanding of themselves and the American heritage.

This program provides excellent preparation for a variety of personal and professional goals. Please consult a counselor for educational planning and information regarding specific goals.

I. Requirements:

Complete general education Plan 1 (associate degree AA/AS only, nontransfer) or Plan 2 (Cal-GETC, CSU or UC transfer) as related to your educational goal. The CSU GE or IGETC pattern may be used in some cases; please see a counselor for details.

Complete a minimum of 18 units from a single Area of Emphasis listed below. For depth of study, students are strongly encouraged to complete two or more courses in a single discipline as part of their 18 units. (Note: Courses in the chosen "Area of Emphasis" may also be applied toward general education areas on Plans 1 and 2.) Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

Complete all other associate degree requirements for Santa Ana College.

II. Areas of Emphasis:

1. American Studies Emphasis 2. Arts, Humanities and Communications Emphasis 3. Business and Technology Emphasis 4. Kinesiology and Wellness Emphasis 5. Mathematics and Science Emphasis 6. Social And Behavioral Sciences Emphasis

6. Social and Behavioral Sciences (sac.lasbs.aa)

These courses emphasize the perspective, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate. This emphasis may be of interest to those planning to pursue careers in anthropology, child development, criminal justice, ethnic studies, government service, law, history, marriage and family therapy, political science, psychology, social work, sociology, teaching, and urban planning.

Note: Although a course may be listed in more than one area of emphasis of the Liberal Arts degree, it may only be used to meet a requirement for a single emphasis.

Learning Outcome(s):

1. Students will evaluate how individuals, socities, and social subgroups operate.
2. Students will apply the principles, methodologies, value systems, ethics, and thought processes employed by human inquiry.

Required Units		*18.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
ANTH 103	Introduction to Archaeology	3.0
ANTH 104	Language and Culture	3.0
	–or–	
ANTH 104H	Honors Language and Culture	3.0
	–or–	
ENGL 104	Language and Culture	3.0
	–or–	
ENGL 104H	Honors Language and Culture	3.0
ANTH 105	Ancient Mesoamerican Civilization	3.0
ANTH 125	Native Americans in the U.S.	3.0
APCD 107	Apprenticeship Child Growth and Development (DS1)	3.0
APCD 110	Apprenticeship Child, Family and Community (DS2)	3.0
APCD 221	Apprenticeship Teaching in a Diverse Society	3.0
ASIA 150	Introduction to Asian American Studies	3.0
BIOL 200	Human Ecology	3.0
BLST 150	Introduction to African/Black American Studies	3.0
CHST 150	Introduction to Chicana/Chicano Studies	3.0
CDEV 110	Child, Family, and Community (DS2)	3.0
CDEV 221	Teaching in a Diverse Society	3.0
CDEV C1000	Child Growth and Development	3.0
CMST 103	Introduction to Intercultural Communication	3.0
	–or–	
CMST 103H	Honors Introduction to Intercultural Communication	3.0
CMST 150	Organizational Communication	3.0
CMST 206	Gender Communication	3.0
	–or–	
CMST 206H	Honors Gender Communication	3.0
COMM C1004	Interpersonal Communication	3.0
	–or–	
COMM C1004H	Interpersonal Communication - Honors	3.0
CMPR 100	The Computer and Society	3.0
CNSL 150	Introduction to Social Work and Human Services	3.0
CJ 101	Introduction to Criminal Justice	3.0
	–or–	
CJ 101H	Honors Introduction to Criminal Justice	3.0
ECON C2001	Principles of Microeconomics	3.0
ECON C2002	Principles of Macroeconomics	3.0
ENGL 245	The Image of African Americans in Literature and Films	3.0
ENGL 278	Survey of Literature by Women	3.0
ENVR 200	Human Ecology	3.0
ETHN 102	The Borderlands: Cultural Context and Intercultural Relations	3.0
	–or–	
ETHN 102H	Honors the Borderlands: Cultural Context and Intercultural Relations	3.0

ETHN 150	Introduction to Ethnic Studies	3.0
	–or–	
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
GEOG 100	World Regional Geography	3.0
	–or–	
GEOG 100H	Honors World Regional Geography	3.0
GEOG 102	Cultural Geography	3.0
GEOG 140	California Geography	3.0
Courses		
HIST 101	World Civilizations to the 16th Century	3.0
	–or–	
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
	–or–	
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
HIST 105	Ancient Mesoamerican Civilization	3.0
HIST 118	Social and Cultural History of the United States	3.0
HIST 123	African American History to 1865	3.0
HIST 124	Mexican American History in the United States	3.0
	–or–	
HIST 124H	Honors Mexican American History in the United States	3.0
HIST 125	Native Americans in the U.S.	3.0
HIST 127	Women in U.S. History	3.0
HIST 129	LGBTQ+ History in the U.S.	3.0
HIST 146	African American History from 1863 to the Present	3.0
HIST 150	Latin American Civilization to Independence	3.0
HIST 151	Modern Latin American Civilization	3.0
HIST 153	History of Mexico	3.0
HIST 181	Survey of Chicana/Latina Women's History	3.0
HIST C1001	United States History to 1877	3.0
HIST C1001H	United States History to 1877 - Honors	3.0
HIST C1002	United States History since 1865	3.0
HIST C1002H	United States History since 1865 - Honors	3.0
IDS 155	Human Sexuality	3.0
JAMS 105	Mass Media and Society	3.0
JAMS 111	Media, Race and Gender	3.0
KNHE 112	Health and Social Justice	3.0
KNPR 150	Sport and Society	3.0
LAW 100	Law and Society	3.0
	–or–	
PARA 100	Law and Society	3.0
NUTR 120	Food and Culture	3.0
POLS C1000	American Government and Politics	3.0
	–or–	
POLS C1000H	American Government and Politics - Honors	3.0
POLT 200	American Political Thought	3.0
	–or–	
POLT 200H	Honors American Political Thought	3.0
POLT 201	Introduction to Comparative Politics	3.0
POLT 205	Introduction to Global Studies	3.0
POLT 206	Global Issues	3.0
POLT 220	International Politics	3.0
POLT 235	Identity Politics	3.0
PSYC 140	Introduction to Psychology of Adulthood and Aging	3.0
PSYC 157	Introduction to Child Psychology	3.0
PSYC 160	Introduction to Lifespan Psychology	3.0
PSYC 170	Multicultural Psychology	3.0
PSYC 190	Psychology of Human Sexuality	3.0
PSYC 201	Introduction to Biological Psychology	4.0
PSYC 219	Introduction to Research Methods in sychology	3.0
PSYC 230	Psychology of Adjustment	3.0
PSYC 240	Introduction to Social Psychology	3.0
PSYC 250	Introduction to Psychopathology	3.0
PSYC 260	Psychopharmacology	3.0
PSYC 270	Introduction to Cognitive Science	3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology - Honors	3.0
SOC 100	Introduction to Sociology	3.0
	–or–	
SOC 100H	Honors Introduction to Sociology	3.0
SOC 112	Relationships, Marriages, and Family Dynamics	3.0
SOC 140	Social Problems	3.0
	–or–	
SOC 140H	Honors Social Problems	3.0
SOC 150	Intro to Race and Ethnicity	3.0
SOC 240	Introduction to Social Psychology	3.0
SOC 286	Introduction to LGBTQ+ Studies	3.0
WMNS 101	Introduction to Women's Studies	3.0
WMNS 102	Money, Sex, and Power	3.0
WMNS 286	Introduction to LGBTQ+ Studies	3.0
		Total: 18.0

LIBRARY TECHNOLOGY

Archives and Digital Collections: A.S. Degree
Program Code: SAC.LIADC.AS
Program Control Number: 44796

The associates of science curriculum in Archives and Digital Collections is designed to successfully prepare students for employment at the entry level in archives, digital collections, and special library settings. Course content covers fundamental principles, terminology, organization, procedures, industry standards, and best practices for preparing and managing both unique physical and digital collections. Entry-level positions are available in this field as archival assistants, digital collections technicians, digitization technicians, and digital asset management assistants. To receive a degree in Archives and Digital Collections, a grade of "C" or better is required for each major course.

Learning Outcome(s):

1. Employ best practices and skills for handling, organizing, preserving, and providing access to both physical and digital collections, to perform tasks in various entry-level jobs in archives, digital collections, and special library settings.
2. Apply basic image, text, and digital media processing skills, preparing students for digitization technician roles.
3. Prepare for employment in diverse settings that manage digital collections by applying knowledge of metadata standards and descriptive practices to improve the discoverability, usability, and accessibility of digital collections.
4. Apply learned skills and techniques for arrangement and description of archival collections, including the development of processing plans, creation of finding aids, and application of descriptive standards such as DACS, EAD and RDA, to prepare for employment in archival assistant positions.
5. Gain exposure to and practice with various technologies, tools, and systems utilized in professional archives, digital collections, and special library settings to manage and maintain unique physical and digital collections, such as ABBY Fine Reader, Adobe Bridge, ArchivesSpace, Omeka, Preservica, or Photoshop.

Core Courses for Archives and Digital Collections		*15.0*
LIBR 104	Organization of Information	3.0
LIBR 108	Introduction to Archives	3.0
LIBR 112	Introduction to Digital Collections	3.0
LIBR 120	Arrangement and Description	3.0
Introduction to Digital Media - Choose One		
DM 195	Introduction to Digital Media Arts	3.0
	–or–	
ART 195	Introduction to Digital Media Arts	3.0)
Electives for AA in Archives and Digital Collections		*6.0-9.0*
ART 133	Introduction to Gallery Production	2.0
CMPR 167	Microsoft Access	3.0
CMPR 168	MS SQL Database Development	3.0
CMPR 170	Introduction to Oracle	3.0
INFO 100	Library Research Fundamentals	1.0
JAMS 103	Introduction to Visual Communications	3.0
LIBR 102	Information Sources for Paraprofessionals: Tools and Techniques	3.0
LIBR 110	Library Technical Services	3.0
LIBR 122	Library Public Services	3.0
LIBR 124	Work Experience - Library Technology	1.0-2.0
		Total: 21.0-24.0

Library Technology: A.A. Degree
Program Code: SAC.LIBR.AA
Program Control Number: 04241

The associate degree curriculum in library technology is designed to successfully prepare students for employment above the beginning clerk level as paraprofessionals in school, public, special, or academic libraries. Course content covers terminology, organization, procedures, standards, and practices. Entry-level positions are available in this field as library technical assistants, library assistants, library technicians, and library media technicians.

To receive an AA degree in Library Technology, a grade of "C," or better is required for each major course.

Learning Outcome(s):

1. Apply knowledge and skills gained through all required courses to perform library technician level tasks in various types of libraries and settings.
2. Identify and differentiate library technicianroles and be able to perform the job duties of technicians in a library or information management organization.
3. Prepare for employment above the beginning level as paraprofessionals in school, public, special, or academic libraries.

Core courses for Library Technology		*21.0-24.0*
LIBR 101	Introduction to Library Technology	3.0
LIBR 054	Children's Library Services	3.0
LIBR 102	Information Sources for Paraprofessionals: Tools and Techniques	3.0
LIBR 110	Library Technical Services	3.0
LIBR 122	Library Public Services	3.0
DM 164	Web Design	3.0
BA Options		*3.0-6.0*
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
	–or–	
		6.0
BA 188	Microsoft Excel	2.0
	–and–	
BA 125	Microsoft Word	2.0
	–and–	
BA 190	Microsoft PowerPoint	2.0
Please select a minimum of 6 units from the below electives.		*6.0*
LIBR 124	Work Experience - Library Technology	1.0-2.0
INFO 105	AI Literacy	2.0
INFO 100	Library Research Fundamentals	1.0
INFO 103	Researching in the Digital Age	1.0
BA 164	Adobe Photoshop	3.0
BA 166	Adobe Illustrator	3.0
		3.0
COMM C1000	Introduction to Public Speaking	3.0
	–or–	
COMM C1000H	Introduction to Public Speaking - Honors	3.0
		3.0
CMST 103H	Honors Introduction to Intercultural Communication	3.0
	–or–	
CMST 103	Introduction to Intercultural Communication	3.0
MGMT 122	Business Communications	3.0
CDEV 221	Teaching in a Diverse Society	3.0

		3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology - Honors	3.0
PSYC 140	Introduction to Psychology of Adulthood and Aging	3.0
PSYC 170	Multicultural Psychology	3.0
ENGL 270	Children's Literature	3.0
		Total: 27.0-30.0

Archives and Digital Collections: Certificate of Achievement

Program Code: SAC.LIADC.CA

Program Control Number: 44668

The certificate curriculum in Archives and Digital Collections is designed to successfully prepare students for employment at the entry level in archives, digital collections, and special library settings. Course content covers fundamental principles, terminology, organization, procedures, industry standards, and best practices for preparing and managing both unique physical and digital collections. Entry-level positions are available in this field as archival assistants, digital collections technicians, digitization technicians, and digital asset management assistants. To receive a Certificate in Archives and Digital Collections, a grade of "C" or better is required for each major course.

Learning Outcome(s):

1. Employ best practices and skills for handling, organizing, preserving, and providing access to both physical and digital collections, to perform tasks in various entry-level jobs in archives, digital collections, and special library settings.
2. Apply basic image, text, and digital media processing skills, preparing students for digitization technician roles.
3. Prepare for employment in diverse settings that manage digital collections by applying knowledge of metadata standards and descriptive practices to improve the discoverability, usability, and accessibility of digital collections.
4. Apply learned skills and techniques for arrangement and description of archival collections, including the development of processing plans, creation of finding aids, and application of descriptive standards such as DACS, EAD and RDA, to prepare for employment in archival assistant positions.
5. Gain exposure to and practice with various technologies, tools, and systems utilized in professional archives, digital collections, and special library settings to manage and maintain unique physical and digital collections, such as ABBY Fine Reader, Adobe Bridge, ArchivesSpace, Omeka, Preservica, or Photoshop.

Core Courses for Archives and Digital Collections		*15.0*
Major Requirements		
LIBR 104	Organization of Information	3.0
LIBR 108	Introduction to Archives	3.0
LIBR 112	Introduction to Digital Collections	3.0
LIBR 120	Arrangement and Description	3.0
Introduction to Digital Media - Choose One		
DM 195	Introduction to Digital Media Arts	3.0
	–or–	
ART 195	Introduction to Digital Media Arts	3.0
		Total: 15.0

Library Technology: Certificate of Achievement

Program Code: SAC.LIBR.CA

Program Control Number: 21795

The certificate curriculum in library technology is designed to successfully prepare students for employment above the beginning level as paraprofessionals in school, public, special, or academic libraries. Course content covers terminology, organization, procedures, standards, and practices. Entry-level positions are available in this field as library technical assistants, library assistants, library technicians, and library media technicians. To receive a Certificate in Library Technology, a grade of "C," or better is required for each major course.

Learning Outcome(s):

Apply knowledge and skills gained through all required courses to perform library technician level tasks in various types of libraries and settings.

Identify and differentiate library technicianroles and be able to perform the job duties of technicians in a library or information management organization.

Prepare for employment above the beginning level as paraprofessionals in school, public, special, or academic libraries.

Core Library Technology Certificate Courses		*21.0-24.0*
LIBR 101	Introduction to Library Technology	3.0
LIBR 054	Children's Library Services	3.0
LIBR 102	Information Sources for Paraprofessionals: Tools and Techniques	3.0
LIBR 110	Library Technical Services	3.0
LIBR 122	Library Public Services	3.0
DM 164	Web Design	3.0
BA Options		*3.0-6.0*
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
	–or–	
		6.0
BA 188	Microsoft Excel	2.0
	–and–	
BA 125	Microsoft Word	2.0
	–and–	
BA 190	Microsoft PowerPoint	2.0
		Total: 21.0-24.0

MANAGEMENT

Human Resources Management: A.S. Degree
Program Code: SAC.MGTHR.AS
Program Control Number: 44976

The Human Resources Management degree is designed to prepare students for a career in business and management. Human Resources Management is a rapidly evolving field in the independent contractor versus employee, remote versus in person or hybrid work environments. Human resource specialists are in growing demand. This program encompasses knowledge of business and management basics along with specific courses in the legal environment as it applies to work and human resource management.

Learning Outcome(s):

1. Apply the practical and theoretical skills needed for a successful career in the area of human resources management.
2. Demonstrate the skills needed to perform in an interpersonal role within a diverse working environment.

Core Required Courses		*12.0*
Fundamentals of Business		*3.0*
BUS 100 Fundamentals of Business 3.0		
Management		*3.0*
MGMT 120	Principles of Management	3.0
	–or–	
BUS 120	Principles of Management	3.0
Human Relations and Organizational Behavior		*3.0*
MGMT 121	Human Relations and Organizational Behavior	3.0
	–or–	
BUS 121	Human Relations and Organizational Behavior	3.0
Human Resource Management		*3.0*
MGMT 135	Human Resource Management 3.0	
Legal Studies and Compliance		*7.0*
Business Law		*3.0*
BUS 105	Legal Environment of Business	3.0
	–or–	
LAW 105	Legal Environment of Business	3.0
PARA 133	Workers Compensation Law and Procedure	2.0
PARA 139	Fundamentals of Labor Law	2.0
Leadership and Communication		*9.0*
BUS 222	Business Writing	3.0
MGMT 122	Business Communications	3.0
MGMT 125	Organizational Leadership	3.0
Payroll and Accounting		*2.0*
ACCT 032	Payroll Accounting	2.0
		Total: 30.0

Management: A.S. Degree
Program Code: SAC.MGT.AS
Program Control Number: 04188

The associate degree curriculum in management is designed to prepare students for various management positions in business, government, and public organizations; to aid existing managers in upgrading their skills; and to assist employees for promotion to management/supervision positions. The core of the degree program provides the student with managerial skills and theory including communicating, decision-making, organizing, motivating, and human relations.

Learning Outcome(s):

1. Demonstrate an understanding of the core management functions of planning, organizing, leading, and controlling.
2. Demonstrate a thorough understanding of behavioral theories as they apply to organizations and be able to apply that theory to realworld situations.
3. Demonstrate an ability to apply planning methods to business and organizational situations.

General Management Degree (sac.mgt.aa) Course		*15.0*
BUS 100	Fundamentals of Business	3.0
BUS 120	Principles of Management	3.0
	–or–	
MGMT 120	Principles of Management	3.0
BUS 121	Human Relations and Organizational Behavior	3.0
	–or–	
MGMT 121	Human Relations and Organizational Behavior	3.0
BUS 222	Business Writing	3.0
	–or–	
MGMT 122	Business Communications	3.0
MGMT 125	Organizational Leadership	3.0
Select TWO courses from the following:		*6.0-7.0*
ACCT 101	Financial Accounting	4.0
BUS 101	Business Law	3.0
BUS 105	Legal Environment of Business	3.0
	–or–	
LAW 105	The Legal Environment of Business	3.0
BUS 106	Culture and International Business - Kiss, Bow or Shake Hands	3.0
BUS 125	Introduction to International Business	3.0
BUS 150	Introduction to Information Systems and Applications	3.0
MGMT 135	Human Resource Management	3.0
MKTG 113	Principles of Marketing	3.0
		Total: 21.0-22.0

Retail Management: A.S. Degree
Program Code: SAC.MGTRE.AS
Program Control Number: 16525

The Associate Degree program is approved by the Western Association of Food Chains and persons completing the prescribed courses are eligible to receive both the ECC Certificate of Competence and the WAFC Retail Management Certificate.

The WAFC Retail Management Degree is a specially recognized program designed to prepare individuals for the fast-paced retail industry. This program is also intended to help students develop an understanding of the retail manager's job and the requirements for success in the retail environment.

Learning Outcome(s):

1. Students will have a working knowledge of Management, Human Relations, Computer Technology, Marketing, and Budgeting as it applies to the retail industry.

Complete the following courses:		*25.0*
ACCT 101	Financial Accounting	4.0
BUS 120	Principles of Management	3.0
	–or–	
MGMT 120	Principles of Management	3.0
BUS 121	Human Relations and Organizational Behavior	3.0
	–or–	
MGMT 121	Human Relations and Organizational Behavior	3.0
BUS 222	Business Writing	3.0
	–or–	
MGMT 122	Business Communications	3.0
CMPR 100	The Computer and Society	3.0
MGMT 135	Human Resource Management	3.0
MKTG 111	Principles of Retailing	3.0
MKTG 113	Principles of Marketing	3.0
		Total: 25.0

Human Resource Management: Certificate of Achievement
Program Code: SAC.MGTHR.CA
Program Control Number: 44692

The Human Resources Management Certificate is designed to prepare students for human resources management positions in business, government, and other organizations; to aid existing managers in upgrading human resource management skills; and to assist employees for promotion to management/supervision positions. The certificate program provides the student with practical managerial skills and theory.

Learning Outcome(s):

1. The student will gain the practical and theoretical skills for a successful career in the area of human resources management.

Required core courses		*12.0*
Legal Environment of Business		*3.0*
BUS 105	Legal Environment of Business	3.0
	–or–	
LAW 105	Legal Environment of Business	3.0
Principles of Management		*3.0*
MGMT 120	Principles of Management	3.0
	–or–	
BUS 120	Principles of Management	3.0
Human Relations and Organizational Behavior		*3.0*
MGMT 121	Human Relations and Organizational Behavior	3.0
	–or–	
BUS 121	Human Relations and Organizational Behavior	3.0
MGMT 135	Human Resource Management	3.0
		Total: 12.0

Leadership: Certificate of Achievement
Program Code: SAC.MGTL.CA
Program Control Number: 41697

The Leadership Certificate is designed to prepare students for various supervisory positions in business, government, and public organizations; to aid existing managers in upgrading their skills; and to assist employees for promotion to management/supervision positions. The certificate program provides practical skills for the student to use on the job.

Learning Outcome(s):

1. Demonstrate the practical and theoretical skills for a successful career as a supervisor or manager in any specialized business field.

Complete the Courses below:		*12.0*
MGMT 120	Principles of Management	3.0
	–or–	
BUS 120	Principles of Management	3.0
MGMT 121	Human Relations and Organizational Behavior	3.0
	–or–	
BUS 121	Human Relations and Organizational Behavior	3.0
MGMT 122	Business Communications	3.0
	–or–	
BUS 222	Business Writing	3.0
MGMT 125	Organizational Leadership	3.0
		Total: 12.0

Management: Certificate of Achievement
Program Code: SAC.MGT.CA
Program Control Number: 33333

The certificate curriculum in management is designed to prepare students for various management positions in business, government, and public organizations; to aid existing managers in upgrading their skills; and to assist employees for promotion to management/supervision positions. The core courses provide students with managerial skills and theory including communicating, decision-making, organizing, motivating, and human relations. The student can gain practical skills in a specific area by specializing in human resource management, supervision, or small business management.

Learning Outcome(s):

1. Students will demonstrate an understanding of the core management functions of planning, organizing, leading, and controlling; demonstrate a thorough understanding of behavioral theories as they apply to organizations and be able to apply that theory to real-world situations; and demonstrate an ability to apply planning methods to business and organizational situations

Management Certificate (sac.mgt.ca) Courses		*15.0*
BUS 100	Fundamentals of Business	3.0
BUS 120	Principles of Management	3.0
	–or–	
MGMT 120	Principles of Management	3.0
BUS 121	Human Relations and Organizational Behavior	3.0
	–or–	
MGMT 121	Human Relations and Organizational Behavior	3.0
MGMT 122	Business Communications	3.0
	–or–	
BUS 222	Business Writing	3.0
MGMT 125	Organizational Leadership	3.0

Select TWO courses from the following:		*6.0-7.0*
ACCT 101	Financial Accounting	4.0
BUS 105	Legal Environment of Business	3.0
BUS 106	Culture and International Business - Kiss, Bow or Shake Hands	3.0
BUS 125	Introduction to International Business	3.0
BUS 150	Introduction to Information Systems and Applications	3.0
MGMT 135	Human Resource Management	3.0
MKTG 113	Principles of Marketing	3.0
		Total: 21.0-22.0

Retail Management: Certificate of Achievement

Program Code: SAC.MGTRT.CA

Program Control Number: 15242

The program is approved by the Western Association of Food Chains (WAFC), and persons completing the prescribed courses are eligible to receive both the ECC Certificate of Competence and the WAFC Retail Management Certificate.

The WAFC Retail Management Certificate is a specially recognized program designed to prepare individuals for the fast-paced retail industry. This program is also intended to help students develop an understanding of the retail manager's job and the requirements for success in the retail environment.

Learning Outcome(s):

1. Students will have a working knowledge of Management, Human Relations, Computer Technology, Marketing, and Budgeting as it applies to the retail industry.

Complete the following courses:		*25.0*
ACCT 101	Financial Accounting	4.0
BUS 120	Principles of Management	3.0
	–or–	
MGMT 120	Principles of Management	3.0
BUS 121	Human Relations and Organizational Behavior	3.0
	–or–	
MGMT 121	Human Relations and Organizational Behavior	3.0
BUS 222	Business Writing	3.0
	–or–	
MGMT 122	Business Communications	3.0
CMPR 100	The Computer and Society	3.0
MGMT 135	Human Resource Management	3.0
MKTG 111	Principles of Retailing	3.0
MKTG 113	Principles of Marketing	3.0
		Total: 25.0

MANUFACTURING TECHNOLOGY

CNC Lathe Set Up and Operation: A.S. Degree

Program Code: SAC.MNGLA.AS

Program Control Number: 16619

In addition to the general education requirements, the associate degree curriculum in manufacturing technology computer numerical control machine set up and operation is designed to prepare the student for entry or advancement in the CNC Machine Operator Specialty of manufacturing technology.

Learning Outcome(s):

1. Setup and operate CNC lathe to industrial standards.

Required Courses Manufacturing Technology Core Courses		
15 units		*15.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 158	Basic Machining Concepts and Operations	3.0
MNFG 171	CNC Program Writing	4.0
Specific Major Course Requirements:		*12.5-15.0*
MNFG 096	Manufacturing Technology Lab	0.5-3
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 178	Mastercam Lathe	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
Select nine units from the following electives:		*9.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 104	Solidworks Intermediate Solid Modeling	3.0)
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 175	Mastercam - 3D Geometry, 3D Surfaces	3.0
MNFG 177	Mastercam - 3D Toolpath and CAM Applications	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 194	CNC Horizontal Mill Setup and Operation	3.0
		Total: 36.5-39.0

CNC Machine Set Up and Operation: A.S. Degree

Program Code: SAC.MNGMA.AS

Program Control Number: 04213

In addition to the general education requirements, the associate degree curriculum in manufacturing technology computer numerical control machine set up and operation is designed to prepare the student for entry or advancement in the CNC Machine Operator Specialty of manufacturing technology.

Learning Outcome(s):

1. Set up and operate a CNC Mill and CNC Lathe to industrial standards.

Required Courses Manufacturing Technology Core Courses		*15.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 158	Basic Machining Concepts and Operations	3.0
MNFG 171	CNC Program Writing	4.0
Specific Major Course Requirements:		*15.0*
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 168	Advanced Milling Concepts and Operations	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 194	CNC Horizontal Mill Setup and Operation	3.0

Select six units from the following electives:		*6.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 175	Mastercam - 3D Geometry, 3D Surfaces	3.0
MNFG 178	Mastercam Lathe	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
		Total: 36.0

CNC Milling Machine Set Up and Operation: A.S. Degree

Program Code: SAC.MNGMI.AS

Program Control Number: 16621

In addition to the general education requirements, the associate degree curriculum in manufacturing technology computer numerical control machine set up and operation is designed to prepare the student for entry or advancement in the CNC Machine Operator Specialty of manufacturing technology.

Learning Outcome(s):

1. Set up and operate CNC Mill to industrial standards.

Courses Manufacturing Technology Core Courses 15 units		*15.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 158	Basic Machining Concepts and Operations	3.0
MNFG 171	CNC Program Writing	4.0
Specific Major Course Requirements:		*18.0*
MNFG 168	Advanced Milling Concepts and Operations	3.0
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 194	CNC Horizontal Mill Setup and Operation	3.0
MNFG 195	Mastercam 5 Axis Mill Toolpath and Application	3.0
Select six units from the following electives:		*6.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 175	Mastercam - 3D Geometry, 3D Surfaces	3.0
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 177	Mastercam - 3D Toolpath and CAM Applications	3.0
MNFG 178	Mastercam Lathe	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
		Total: 39.0

CNC Programmer Mastercam: A.S. Degree

Program Code: SAC.MNGPA.AS

Program Control Number: 10664

In addition to the general education requirements, the associate degree curriculum in manufacturing technology-computer numerical control programmer (Mastercam) is designed to prepare the student for entry or advancement in the CNC programming specialty of the machine tool field.

Learning Outcome(s):

1. Prepare CNC Programs to industrial standards

Required Courses Manufacturing Technology Core Courses		
15 units		*15.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 158	Basic Machining Concepts and Operations	3.0
MNFG 171	CNC Program Writing	4.0
Specific Major Course Requirements:		*21.5-25.0*
MNFG 096	Manufacturing Technology Lab	0.5-3
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 175	Mastercam - 3D Geometry, 3D Surfaces	3.0
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 177	Mastercam - 3D Toolpath and CAM Applications	3.0
MNFG 178	Mastercam Lathe	3.0
MNFG 195	Mastercam 5 Axis Mill Toolpath and Application	3.0
Select three units from the following electives:		*3.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 168	Advanced Milling Concepts and Operations	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
MNFG 130A	CATIA I	3.0
MNFG 130B	CATIA II	3.0
		Total: 39.5-43.0

Conventional Machining Option: A.S. Degree
Program Code: SAC.MNGCM.AS
Program Control Number: 08722

In addition to the general education requirements, the associate degree in manufacturing technology, conventional machining, is designed to prepare the student for entry or advancement in the conventional machine tool operation specialty.

Learning Outcome(s):

1. Set up and operate conventional machines to industrial standards.

Required Courses Manufacturing Technology Core Courses		
15 units		*15.0*
MNFG 158	Basic Machining Concepts and Operations	3.0
	–or–	
ENGR 158	Basic Machining Concepts and Operations	3.0
MNFG 111	Basic Mechanical Blueprint Reading	2.0
	–or–	
ENGR 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
	–or–	
ENGR 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 171	CNC Program Writing	4.0
Specific Major Course Requirements:		*9.5-12.0*
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 168	Advanced Milling Concepts and Operations	3.0
MNFG 169	Job Shop Skills	0.5-3
WELD 101	Introduction to Welding	3.0
Select six units from the following electives:		*6.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 177	Mastercam - 3D Toolpath and CAM Applications	3.0
MNFG 178	Mastercam Lathe	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
MNFG 194	CNC Horizontal Mill Setup and Operation	3.0
		Total: 30.5-33.0

CNC Lathe Set Up and Operation: Certificate of Achievement
Program Code: SAC.MNGLA.CA
Program Control Number: 21778

The certificate of achievement curriculum in manufacturing technology, computer numerical control lathe set up and operation is designed to prepare the student for entry or advancement in the CNC Machining Industry.

Learning Outcome(s):

1. Setup and operate CNC lathe to industrial standards.

Manufacturing Technology Core Requirements:		*15.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 158	Basic Machining Concepts and Operations	3.0
MNFG 171	CNC Program Writing	4.0
Specific Major Course Requirements:		*12.5-15.0*
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 096	Manufacturing Technology Lab	0.5-3
MNFG 178	Mastercam Lathe	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
Select nine units from the following electives:		*9.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 175	Mastercam - 3D Geometry, 3D Surfaces	3.0
MNFG 177	Mastercam - 3D Toolpath and CAM Applications	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 194	CNC Horizontal Mill Setup and Operation	3.0
		Total: 36.5-39.0

CNC Machine Set Up and Operation: Certificate of Achievement
Program Code: SAC.MNGMA.CA
Program Control Number: 21779

The certificate of achievement curriculum in manufacturing technology computer numerical control machine set up and operation is designed to prepare the student for entry or advancement in the CNC Machine Operator Specialty of manufacturing technology.

Learning Outcome(s):

1. Set up and operate CNC machines to the industrial standards.

Manufacturing Technology Core Requirements:		*15.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 158	Basic Machining Concepts and Operations	3.0
MNFG 171	CNC Program Writing	4.0
Specific Major Course Requirements		*15.5-19.0*
MNFG 096	Manufacturing Technology Lab	0.5-4
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 168	Advanced Milling Concepts and Operations	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 194	CNC Horizontal Mill Setup and Operation	3.0
Select six units from the following electives:		*6.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 175	Mastercam - 3D Geometry, 3D Surfaces	3.0
MNFG 177	Mastercam - 3D Toolpath and CAM Applications	3.0
MNFG 178	Mastercam Lathe	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
		Total: 36.5-40.0

CNC Milling Machine Set Up and Operation: Certificate of Achievement

Program Code: SAC.MNGMI.CA

Program Control Number: 21782

The certificate of achievement curriculum in manufacturing technology computer numerical control machine set up and operation is designed to prepare the student for entry or advancement in the CNC Milling Machine Operator specialty of manufacturing technology.

Learning Outcome(s):

1. Set up and operate a CNC Mill to industrial standards.

Required courses Manufacturing Technology Core Courses 15 units		*15.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 158	Basic Machining Concepts and Operations	3.0
MNFG 171	CNC Program Writing	4.0
Specific major Course Requirements:		*18.5-22.0*
MNFG 096	Manufacturing Technology Lab	0.5-4
MNFG 168	Advanced Milling Concepts and Operations	3.0
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 194	CNC Horizontal Mill Setup and Operation	3.0
MNFG 195	Mastercam 5 Axis Mill Toolpath and Application	3.0
Select three units from the following electives:		*3.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 175	Mastercam - 3D Geometry, 3D Surfaces	3.0
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 177	Mastercam - 3D Toolpath and CAM Applications	3.0
MNFG 178	Mastercam Lathe	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
		Total: 36.5-40.0

CNC Programmer Mastercam: Certificate of Achievement

Program Code: SAC.MNGPA.CA

Program Control Number: 21783

The certificate of achievement curriculum in manufacturing technology computer numerical control programmer (Mastercam) is designed to prepare the student for entry or advancement in the CNC programming specialty of Manufacturing Technology.

Learning Outcome(s):

1. Create CNC program using Mastercam software

Required courses Manufacturing Technology Core Courses 15 units		*15.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 158	Basic Machining Concepts and Operations	3.0
MNFG 171	CNC Program Writing	4.0
Specific Major Course Requirements:		*21.5-25.0*
MNFG 096	Manufacturing Technology Lab	0.5-4.0
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 175	Mastercam - 3D Geometry, 3D Surfaces	3.0
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 177	Mastercam - 3D Toolpath and CAM Applications	3.0
MNFG 178	Mastercam Lathe	3.0
MNFG 195	Mastercam 5 Axis Mill Toolpath and Application	3.0
Select three units from the following electives:		*3.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 168	Advanced Milling Concepts and Operations	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
MNFG 194	CNC Horizontal Mill Setup and Operation	3.0
MNFG 130A	CATIA I	3.0
MNFG 130B	CATIA II	3.0
		Total: 39.5-43.0

Conventional Machining Option: Certificate of Achievement

Program Code: SAC.MNGCM.CA

Program Control Number: 21784

The certificate of achievement curriculum in manufacturing technology, conventional machining, is designed to prepare the student for entry or advancement in the conventional machine tool operation field.

Learning Outcome(s):

1. Set up and operate conventional machines to industrial standards.

Manufacturing Technology Core Requirements:		*15.0*
MNFG 158	Basic Machining Concepts and Operations	3.0
	–or–	
ENGR 158	Basic Machining Concepts and Operations	3.0
MNFG 111	Basic Mechanical Blueprint Reading	2.0
	–or–	
ENGR 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
	–or–	
ENGR 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 153	Technical Mathematics	3.0
MNFG 171	CNC Program Writing	4.0
Specific Major Course Requirements:		*9.5-12.0*
MNFG 159	Advanced Turning Concepts and Operations	3.0
MNFG 168	Advanced Milling Concepts and Operations	3.0
MNFG 169	Job Shop Skills	0.5-3
WELD 101	Introduction to Welding	3.0
Select six units from the following electives:		*6.0*
MNFG 103	Solidworks Beginning Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 173	Mastercam - 2D Geometry, 2D Toolpaths	3.0
MNFG 174	CNC Milling Center Set Up and Operation	3.0
MNFG 176	CNC Turning Center Set Up and Operation	3.0
MNFG 177	Mastercam - 3D Toolpath and CAM Applications	3.0
MNFG 178	Mastercam Lathe	3.0
MNFG 184	Advanced CNC Mill Set Up and Operation	3.0
MNFG 186	Advanced CNC Lathe Programming, Setup and Operation	3.0
MNFG 194	CNC Horizontal Mill Setup and Operation	3.0
		Total: 30.5-33.0

Medical Device Quality Assurance: Certificate of Achievement
Program Code: SAC.MNGMD.CA
Program Control Number: 36454

A certificate in the Medical Device Quality Assurance program prepares students for prospective careers in the manufacturing, development, and/or design of medical devices, depending on work experiences and academic skill sets. Students will gain knowledge of FDA requirements for Good Manufacturing Practice (GMP) and Good Laboratory Practice (GLP) enhanced by experienced lecture materials, in-class workshops, presentation exercises, laboratory demonstrations, and exposure to other manufacturing technology disciplines. Students will have hands-on lessons to develop skills needed in the production or laboratory setting. Students will be prepared for entry level positions in medical device repairs, and medical device preparations, such as Medical Device Assembler, Medical Device Inspector, and Medical Equipment Repairer.

Learning Outcome(s):

1. Practice in the field of medical device industry as a medical device assembler and a medical device inspector.

Courses		*18.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 116	QC Operations with Verisurf Software	3.0
MNFG 117	QC Operations with PC-DMIS CMM-1	3.0
MNFG 120	Introduction to Medical Device Quality	2.0
MNFG 121	Quality Control for Medical Devices	2.0
MNFG 153	Technical Mathematics	3.0
		Total: 18.0

Quality Control and Inspection: Certificate of Achievement
Program Code: SAC.MNGQC.CA
Program Control Number: 36411

A certificate in Quality Control and Inspection prepares students for various quality inspector positions, as well as an introduction to various quality concepts that support inspection positions, such as inspection planning, calibration systems, sampling, quality tools including SPC, and their implementation, auditing, corrective, and preventive action, and customer, and supplier relationships.

Program includes the operation of PC-DMIS CMM software.

Learning Outcome(s):

1. Practice in the area of inspection planning, calibration systems, and sampling.

Courses		*26.0*
MNFG 111	Basic Mechanical Blueprint Reading	2.0
MNFG 114	Geometric Dimensioning and Tolerancing	3.0
MNFG 115	QC1 Quality Inspection	3.0
MNFG 116	QC Operations with Verisurf Software	3.0
MNFG 117	QC Operations with PC-DMIS CMM-1	3.0
MNFG 118	QC Operations with PC-DMIS CMM-2	3.0
MNFG 119	QC2: Quality Theory	3.0
MNFG 128	Basic Metals Technology	3.0
MNFG 153	Technical Mathematics	3.0
		Total: 26.0

3D Solid Modeling for Manufacturing: Certificate of Proficiency
Program Code: SAC.MNG3D.CERT

This certificate is designed for students who would like to earn a CP in the use of Solidworks 3D Solid Modeling software.

Learning Outcome(s):

1. Create computer 3D solid models using the Solidworks software.

Required Courses		*12.0*
ENGR 103	Solidworks Beginning Solid Modeling	3.0
	–or–	
MNFG 103	Solidworks Beginning Solid Modeling	3.0
ENGR 104	Solidworks Intermediate Solid Modeling	3.0
	–or–	
MNFG 104	Solidworks Intermediate Solid Modeling	3.0
ENGR 105	Solidworks Advanced Solid Modeling	3.0
	–or–	
MNFG 105	Solidworks Advanced Solid Modeling	3.0
MNFG 106	Solidworks Drawings	3.0
		Total: 12.0

MARKETING

Marketing: A.A. Degree
Program Code: SAC.MKTG.AA
Program Control Number: 04190

The Marketing Degree program is designed to prepare students for careers in today's marketing field. New career opportunities in marketing will be highlighted throughout the program. The courses include the latest concepts, techniques and technology used to successfully develop, price, promote and distribute products and services in a global economy. The program provides students with cutting-edge marketing skills for New Media Marketing opportunities.

Learning Outcome(s):

1. Perform the practical skills needed to work with businesses that have marketing functions.
2. Analyze given products or services for marketing decisions.
3. Describe marketing distribution channels.
4. Make pricing decisions based on market research.
5. Create marketing plans for product promotion and advertising.

Core Courses		*21.0*
MKTG 113	Principles of Marketing	3.0
BUS 222	Business Writing	3.0
BUS 100	Fundamentals of Business	3.0
	–or–	
ENTR 100	Introduction to Innovation and Entrepreneurship	3.0
ENTR 105	Social Media and Digital Marketing Strategies	2.0
MKTG 116	Global Marketing: Selling Around the World	3.0
MKTG 128	Advertising and Distribution	3.0
MKTG 129	Sales, Negotiation, and Consumer Behavior	3.0
Select TWO courses from the following:		*6.0*
BUS 125	Introduction to International Business	3.0
	–or–	
BUS 127	Introduction to E-Commerce	3.0
	–or–	
MKTG 127	Introduction to E-Commerce	3.0
ENTR 110	Capstone Business Simulations	3.0
	–or–	
ENTR 140	Fashion E-Commerce	3.0
		Total: 27.0

Digital Marketing Specialist: Certificate of Achievement
Program Code: SAC.MKTGD.CA
Program Control Number: 42867

Professional training in using innovative marketing techniques and strategies to promote a business with a focus on social media applications. Topics include social media marketing, branding, promotion, advertising, analytics, and reporting. how to improve the quality and effectiveness of your social media presence. Learn proactive techniques in handling reviewer comments. Live stream videos on social media including from drones. Hands-on instruction in social media apps including LinkedIn, Facebook, Instagram, Twitter, YouTube, Yelp, Google, Pinterest, and Snapchat.

Learning Outcome(s):

1. Understand how to use innovative marketing techniques and strategies using current SEO and SEM applications to promote a business.
2. Identify current trends in using social media for effective marketing.
3. Use analytics and statistics applications such as Google Analytics for developing effective social media and web marketing.

Required Courses		*14.0*
MKTG 113	Principles of Marketing	3.0
MKTG 123	Marketing and Technology - Trends and Cutting Edges	1.0
MKTG 130	Business Writing for Social Media	1.0
	–or–	
ENTR 130	Business Writing for Social Media	1.0
BA 164	Adobe Photoshop	3.0
BA 170	Adobe InDesign	3.0
BA 153	Social Media Apps for Employment and Business	1.5
BA 154	Search Engine Optimization and Web Statistics Apps for Business	1.5
Select 2 Elective Courses:		*3.5-6.0*
MKTG 128	Advertising and Distribution	3.0
MKTG 129	Sales, Negotiation, and Consumer Behavior	3.0
BUS 222	Business Writing	3.0
	–or–	
MGMT 122	Business Communications	3.0
BA 163	Adobe Acrobat	3.0
BA 155	WordPress	2.0
BA 171	Adobe Premiere Pro	3.0
BA 172	Adobe After Effects	3.0
BA 166	Adobe Illustrator	3.0
BA 169	Adobe Dreamweaver	3.0
BA 158	Introduction to Drones	1.5
		Total: 17.5-20.0

Marketing: Certificate of Achievement
Program Code: SAC.MKTG.CA
Program Control Number: 41236

The Marketing Certificate program is designed to prepare students for careers in today's marketing field. New career opportunities in marketing will be highlighted throughout the program. The courses include the latest concepts, techniques and technology used to successfully develop, price, promote and distribute products and services in a global economy. The program provides students with cutting-edge applicable marketing skills for New Media Marketing opportunities.

Learning Outcome(s):

1. Perform the practical skills needed to work with businesses that have marketing functions.
2. Analyze given products or services for marketing decisions.
3. Describe marketing distribution channels.
4. Make pricing decisions based on market research.
5. Create marketing plans for product promotion and advertising.

Core Course:		*9.0*
MKTG 113	Principles of Marketing	3.0
BUS 222	Business Writing	3.0
BUS 100	Fundamentals of Business	3.0
	–or–	
ENTR 100	Introduction to Innovation and Entrepreneurship	3.0
International Marketing Sequence:		*3.0*
MKTG 116	Global Marketing: Selling Around the World	3.0)
Advertising & Distribution Sequence:		*3.0*
MKTG 128	Advertising and Distribution	3.0
Sales Sequence:		*3.0*
MKTG 129	Sales, Negotiation, and Consumer Behavior	3.0
21st Century Marketing Sequence:		*3.0*
ENTR 105	Social Media, Bootstrapping, and Market Validation	3.0
		Total: 21.0

MATHEMATICS

Mathematics 2.0: A.S.-T Degree for Transfer
Program Code: SAC.MATH2.AST
Program Control Number: 46269

The Associate in Science in Mathematics for Transfer (AS-T) prepares students to move into a curriculum at a four-year institution, leading to a baccalaureate degree in Mathematics. Employment opportunities are available as mathematicians in government, industry, education, technology, gaming, and healthcare. Successful completion of the AS-T degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Please consult a counselor regarding specific course requirements for your transfer institution.

Upon completion of the AS-T in Mathematics, students will gain a strong foundation in the mathematical field. This knowledge base will be grounded in quantitative and analytical reasoning. Additionally, students will have the capacity to write and communicate with mathematical models and apply appropriate problem-solving techniques to real world phenomena.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will apply concepts and principles of Calculus to perform computations and solve problems.
2. Students will create, use and analyze graphical representations of mathematical relationships.
3. Students will communicate their mathematical knowledge and understanding of mathematical concepts.

Required Core Courses		*17.0*
MATH C2210	Calculus I Early Transcendentals	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
MATH 280	Intermediate Calculus	4.0
MATH 287	Introduction to Linear Algebra and Differential Equations	5.0
List A: Select One (3-4 units)		*3.0-4.0*
Physics Elective		
PHYS 217	Engineering Physics I	4.0
PHYS 210	Principles of Physics I	4.0
Computer Science Elective		
CMPR 105	Visual BASIC Programming	3.0
CMPR 112	Java Programming	3.0
CMPR 120	Introduction to Programming	3.0
CMPR 121	Programming Concepts	3.0
CMPR 129	Introduction to Computer Organization	4.0
CMPR 131	Data Structures Concepts	3.0
		Total: 20.0-21.0

Mathematics: A.S. Degree
Program Code: SAC.MATH.AS
Program Control Number: 04242

The Associate of Science in Mathematics (AS) is designed to develop a strong foundation in the mathematical field and provide a knowledge base that is grounded in quantitative and analytical reasoning. Additionally, students completing the AS degree will have the capacity to write and communicate with mathematical models, use and analyze graphical representations of relationships, and apply appropriate problem-solving techniques to real world phenomena. The AS degree prepares students to move into a curriculum at a four-year institution, leading to a baccalaureate degree in Mathematics, and can lead to employment opportunities in as mathematicians in government, industry, education, technology, gaming, and healthcare.

Learning Outcome(s):

1. Students will apply concepts and principles of Calculus to perform computations and solve problems.
2. Students will create, use and analyze graphical representations of mathematical relationships.
3. Students will communicate their mathematical knowledge and understanding of mathematical concepts.

Required Core		*17.0*
MATH C2210	Calculus I Early Transcendentals	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
MATH 280	Intermediate Calculus	4.0
MATH 287	Introduction to Linear Algebra and Differential Equations	5.0
Select one course from the following:		*3.0-4.5*
CMPR 105	Visual BASIC Programming	3.0
CMPR 112	Java Programming	3.0
CMPR 120	Introduction to Programming	3.0
CMPR 121	Programming Concepts	3.0
CMPR 129	Introduction to Computer Organization	4.0
CMPR 131	Data Structures Concepts	3.0
PHYS 210	Principles of Physics I	4.0
PHYS 217	Engineering Physics I	4.0
STAT C1000	Introduction to Statistics	4.0
STAT C1000H	Introduction to Statistics - Honors	4.0
STAT C1000E	Introduction to Statistics	4.5
PSYC 210	Statistics for the Behavioral Sciences	4.0
		Total: 20.0-21.5

MEDICAL ASSISTANT

Medical Assistant - Administrative / Clinical: A.S. Degree

Program Code: SAC.MA.AS

Program Control Number: 04227

The associate degree of science curriculum for medical assistant administrative/clinical is designed to prepare a student for employment in a medical office, hospital business office, ambulatory clinic, or allied health facility. Allied health careers for medical assistants function in the front and back office, as health insurance specialists, admission representatives, medical records specialists and receptionists in all medical facilities.

Course content includes medical terminology; medical data entry, computer skills; medical documents, electronic health records, reports and charts; medical insurance and coding, billing and collections, bookkeeping; effective human relations and communication as related to a medical office; clinical procedures such as medical and surgical asepsis, measuring vital signs, documenting health histories, medication administration, sterilizing instruments, assisting with minor surgery, instrument identification; laboratory procedures; and professional ethics, legal and scope of practice.

Graduates will be qualified to assist providers, doctors, physician assistants, nurse practitioners, nurses and medical assistants in clinical situations and function under the direct supervision of a medical doctor or podiatrist. Graduates will also be qualified to perform all administrative duties normally required in the medical office, hospital business office, clinics, and allied health facilities.

Learning Outcome(s):

1. Upon completion of an Associate Degree of Science, graduates will demonstrate proficiency in speaking, reading, and writing when communicating with patients and healthcare team, critically think and adapt, and logically problem-solve administrative and clinical issues in healthcare settings, and exhibit workforce preparation as a Medical Assistant for an entry-level healthcare career.
2. Communication Skills: Medical Assistant proficiency in speaking, reading, and writing communication for healthcare team, co-workers, and patients.
3. Think and Reasoning: Medical Assistant logical problem-solving for administrative and clinical issues in the health care environment, demonstrating professionalism, creativity, and equitable analysis.
4. Information Management: Medical Assistant positive adaptation to change and technology in healthcare systems and delivery of care.
5. Diversity: Medical Assistant inter-relational model for the multicultural healthcare system with respect, compassion, and empathy in the provision of services for people of many cultures.
6. Civic Responsibility: Medical Assistant engagement in activities that promote awareness, health, and safety, such as CPR and First Aid Training.
7. Life Skills: Medical Assistant responsibility for personal health and well-being and ability to collaborate within the health / illness continuum effectively.
8. Careers: Medical Assistant employability for entry-level Medical Assistant healthcare career upon completion of the certificate and/or degree option.

Major requirements for the Associate Degree in Science:		*15.0*
MA 051A	Beginning Medical Terminology	3.0
MA 051B	Advanced Medical Terminology	3.0
MA 053	Medical Assistant - Administrative Front Office	3.0
MA 054	Medical Insurance Billing and Coding	3.0
MA 055	Medical Assistant - Clinical Back Office	3.0
Elective must be 6 units selected from the following courses:		*6.0*
MA 001	Work Experience - Medical Assistant	0.5-4
MA 020	Bloodborne and Airborne Pathogen Standards	0.5
MA 030	Phlebotomy	1.0
MA 056	Computer Applications for the Medical Office	3.0
BUS 103	Work Experience - Business	1.0-4.0
BA 125	Microsoft Word	2.0
BA 132	Medical Interpretation and Translation - Spanish / English	3.0
BA 142	Medical Interpretation and Translation - Vietnamese / English	3.0
BA 179	Microsoft Office (Word, Excel, PowerPoint)	3.0
		Total: 21.0

Medical Assistant - Administrative / Clinical: Certificate of Achievement

Program Code: SAC.MA.CA

Program Control Number: 19447

The certificate of achievement in medical assistant administrative/clinical is designed to prepare a student for employment in a medical office, hospital business office, ambulatory clinic, or allied health facility. Allied health careers for medical assistants function in the front and back medical office, as health insurance specialists, admission representatives, medical records specialists and receptionists.

Course content and student learning outcomes focus on medical terminology; medical data entry, computer skills; medical documents, electronic health records, reports and charts; medical insurance and coding, billing and collections, bookkeeping; effective human relations and communication as related to a medical office; clinical procedures such as medical and surgical asepsis, measuring vital signs, documenting health histories, medication administration, sterilizing instruments, assisting with minor surgery, instrument identification; laboratory procedures; and professional ethics, legal and scope of practice.

Graduates will be qualified to assist providers, doctors, physician assistants, nurse practitioners, nurses and medical assistants in clinical situations and function under the direct supervision of a medical doctor or podiatrist. Graduates will also be qualified to perform all administrative duties normally required in the medical office, hospital business office, clinics, and allied health facilities.

Learning Outcome(s):

1. Communication Skills: Medical Assistant proficiency in speaking, reading, and writing communication for healthcare team, co-workers, and patients.
2. Think and Reasoning: Medical Assistant logical problem-solving for administrative and clinical issues in the health care environment, demonstrating professionalism, creativity, and equitable analysis.
3. Information Management: Medical Assistant positive adaptation to change and technology in healthcare systems and delivery of care.
4. Diversity: Medical Assistant inter-relational model for the multicultural healthcare system with respect, compassion, and empathy in the provision of services for people of many cultures.
5. Civic Responsibility: Medical Assistant engagement in activities that promote awareness, health, and safety, such as CPR and First Aid Training.
6. Life Skills: Medical Assistant responsibility for personal health and well-being and ability to collaborate within the health / illness continuum effectively.
7. Careers: Medical Assistant employability for entry-level Medical Assistant healthcare career upon completion of the certificate and/or degree option.

Requirements for the Certificate of Achievement:		*15.0*
MA 051A	Beginning Medical Terminology	3.0
MA 051B	Advanced Medical Terminology	3.0
MA 053	Medical Assistant - Administrative Front Office	3.0
MA 054	Medical Insurance Billing and Coding	3.0
MA 055	Medical Assistant - Clinical Back Office	3.0
		Total: 15.0

MODERN LANGUAGES

Modern Languages: A.A. Degree

Program Code: SAC.ML.AA

Program Control Number: 04225

The associate degree curriculum in modern languages is designed to meet the needs of both the student who wishes to transfer to a four-year institution and the student who wishes to achieve basic conversational ability in the language. Completion of the associate of arts degree prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree and then to possible careers requiring modern languages proficiency.

Note: Presently, the associate degree is offered in French and Spanish. The degree requires 26 units, which includes a minimum of 13 units in the major language with completion of both courses numbered 201 and 202.

Learning Outcome(s):

1. Develop all levels of proficiency in comprehending, speaking, reading, and writing in the current modern language classes while developing an understanding of the literary and cultural context of each language.

Required courses for the concentration in Spanish:		*23.0-24.0*
SPAN 101	Elementary Spanish I	5.0
	–or–	
SPAN 101H	Honors Elementary Spanish I	5.0
SPAN 102	Elementary Spanish II	5.0
	–or–	
SPAN 102H	Honors Elementary Spanish II	5.0
SPAN 201	Intermediate Spanish I	5.0
	–or–	
SPAN 201H	Honors Intermediate Spanish I	5.0
SPAN 202	Intermediate Spanish II	5.0
	–or–	
SPAN 202H	Honors Intermediate Spanish II	5.0
SPAN 212	College Business Spanish	3.0
	–or–	
SPAN 213	College Spanish Composition	3.0
Required courses for the concentration in French:		*24 units*
FREN 101	Elementary French I	5.0
FREN 102	Elementary French II	5.0
FREN 201	Intermediate French I	5.0
	–or–	
FREN 201H	Honors Intermediate French I	5.0
FREN 202	Intermediate French II	5.0
	–or–	
FREN 202H	Honors Intermediate French II	5.0
FREN 211	Intermediate Conversation and Composition I	2.0
FREN 214	Intermediate Conversation and Composition II	2.0
Students who have received credit for the first two semesters must take ten (10) units in a second language other than the major:		*10.0*
CHNS 101	Elementary Chinese I	5.0
CHNS 102	Elementary Chinese II	5.0
FREN 101	Elementary French I	5.0
FREN 102	Elementary French II	5.0
JAPN 101	Elementary Japanese I	5.0
JAPN 102	Elementary Japanese II	5.0
SPAN 101	Elementary Spanish I	5.0
SPAN 101H	Honors Elementary Spanish I	5.0
SPAN 102	Elementary Spanish II	5.0
SPAN 102H	Honors Elementary Spanish II	5.0
ITAL 120	Elementary Italian I	5.0
ITAL 121	Elementary Italian II	5.0
VIET 101	Elementary Vietnamese I	5.0
VIET 102	Elementary Vietnamese II	5.0
Plus three (3) units of electives from the following:		*3.0-5.0*
SPAN 195A	Advanced Conversational Spanish	3.0
	–or–	
SPAN 195B	Advanced Conversational Spanish	3.0
	–or–	
	A third language	
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 104	Language and Culture	3.0
	–or–	
ANTH 104H	Honors Language and Culture	3.0
ENGL 104	Language and Culture	3.0
	–or–	
ENGL 104H	Honors Language and Culture	3.0
ENGL 271	Survey of World Literature I	3.0
ENGL 272	Survey of World Literature II	3.0
GEOG 100	World Regional Geography	3.0
GEOG 100H	Honors World Regional Geography	3.0
GEOG 101	Introduction to the Natural Environment	3.0
HIST 101	World Civilizations to the 16th Century	3.0
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
HIST 124	Mexican American History in the United States	3.0
HIST 124H	Honors Mexican American History in the United States	3.0
HIST 150	Latin American Civilization to Independence	3.0
HIST 151	Modern Latin American Civilization	3.0
		Total: 36.0-37.0

MUSIC

Music: A.A.-T Degree for Transfer

Program Code: SAC.MUS.AAT

Program Control Number: 32050

The Associate in Arts in Music for Transfer (AA-T) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in music, and then into careers in public and private teaching, professional performance, church music, music therapy, composition, arranging and orchestration. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the AA-T in Music, students will be able to demonstrate an understanding of music theory, harmony, and musicianship at the final level of a traditional lower division music sequence. Through public performance, students will demonstrate proficiency on their primary instrument (or voice) that will allow them to perform accurately and musically within a large ensemble and in a solo setting. Upon application to music programs at four year institutions, students will need to pass an audition for acceptance as well as pass skills tests for placement into music theory, musicianship and piano classes.

Note: Although this Transfer Curriculum may provide sufficient preparation for some general Bachelor of Arts programs in Music, it is recommended that students supplement these degree requirements with four semesters of piano (MUS 161, 162, 163, 164), one music appreciation class (MUS 101), and one technology class (MUS 142 or MUS 152) if they intend to transfer into Bachelor of Music programs in Performance, History and Literature, Music Education, or Composition. Please consult a SAC counselor for course requirements for particular four-year institutions.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Display competency and artistry, through experience, in the creation and presentation of public performances of music.
2. Perform proficiently (at the sophomore level)on their primary instrument in a 20-minute public recital. They will pass placement tests on their primary instrument, and be accepted at Cal State, UC, or other four-year institutions.
3. Demonstrate an understanding of music theory, piano, harmony and musicianship at the final level of a traditional lower division music sequence. They will pass placement tests in the areas of music theory and musicianship and be placed at the junior level upon transfer to the Cal State, UC, or other four-year institutions.
4. Demonstrate, through public performance, a proficiency, at the sophomore level, on their primary instrument that allows them to perform, accurately and musically, within a large ensemble.
5. Demonstrate proficiency performing in a vocal, or instrumental ensemble, to be able to continue their involvement in music, in a performance ensemble, within the greater community.

Required Core Courses:		*21.0-22.0*
MUS 111	Music Theory and Musicianship I	4.0
MUS 112	Music Theory and Musicianship II	4.0
MUS 114A	Musicianship	1.0
MUS 114B	Musicianship	1.0
Music 114B is strongly recommended but not required.		
MUS 115A	Applied Music (Private Instruction)	1.5
MUS 115B	Applied Music (Private Instruction)	1.5
MUS 115C	Applied Music (Private Instruction)	1.5
MUS 115D	Applied Music (Private Instruction)	1.5
MUS 214	Music Theory IV	3.0
MUS 213	Music Theory III	3.0
Ensembles, 1 unit required for each of 4 semesters*		
**The ensemble course units may be chosen from the following list (take one ensemble four times or select different ensembles to meet this requirement):*		*4.0*
MUS 135	Concert Chorale	1.0
	–or–	
MUS 137	Chamber Choir	1.0
	–or–	
MUS 171	Concert Band	1.0
	–or–	
MUS 175	Jazz Ensemble	1.0
	–or–	
MUS 181	Chamber Orchestra	1.0
	–or–	
MUS 271	Symphonic Band	1.0
		Total: 25.0-26.0

Music: A.A. Degree

Program Code: SAC.MUS.AA

Program Control Number: 04219

The associate degree curriculum in music is formulated to meet the needs of the student who wishes to make music the major subject of concentration. Completion of the associate in arts degree prepares a student to move into a curriculum at a four-year institution leading to a baccalaureate degree, and then into careers in public and private teaching, professional performance areas, church music, music therapy, recreational music, composition, arranging and orchestration, and music copying. Please consult a SAC counselor for information about course requirements for particular four-year institutions.

Learning Outcome(s):

1. Display competency and artistry, through experience, in the creation and presentation of public performances of music.
2. Perform proficiently (at the sophomore level)on their primary instrument in a 20-minute public recital. They will pass placement tests on their primary instrument, and be accepted at Cal State, UC, or other four-year institutions
3. Demonstrate an understanding of music theory, piano, harmony and musicianship at the final level of a traditional lower division music sequence. They will pass placement tests in the areas of music theory and musicianship and be placed at the junior level upon transfer to the Cal State, UC, or other four-year institutions.
4. Demonstrate, through public performance, a proficiency, at the sophomore level, on their primary instrument that allows them to perform, accurately and musically, within a large ensemble.
5. Demonstrate proficiency performing in a vocal, or instrumental ensemble, to be able to continue their involvement in music, in a performance ensemble, within the greater community.

Course		*20.0-22.0*
Ensemble, 1 unit required for each of 4 semesters*		
Applied Music, 1 course required for each of 4 semesters*		
MUS 101	Music Appreciation	3.0
	–or–	3.0
MUS 101H	Honors Music Appreciation	3.0
MUS 111	Music Theory and Musicianship I	4.0
MUS 112	Music Theory and Musicianship II	4.0
MUS 114A	Musicianship	1.0
MUS 114B	Musicianship	1.0
MUS 142	Creating Music on the Digital Audio Workstation	1.0
	–or–	
MUS 152	Beginning Audio Production	3.0
MUS 213	Music Theory III	3.0
MUS 214	Music Theory IV	3.0

*Courses which have an "N" preceding the number may be required for the major, but are not applicable to the 60 units required for the degree.

The ensemble course units may be chosen from the following list (take one ensemble four times or select different ensembles to meet this requirement):		*4.0*
MUS 135	Concert Chorale	1.0
MUS 136	Collegiate Choir	1.0
MUS 137	Chamber Choir	1.0
MUS 141	Instrumental Ensembles	1.0
MUS 171	Concert Band	1.0
MUS 175	Jazz Ensemble	1.0
MUS 176	Jazz Band	1.0
MUS 178	Mariachi	1.0
MUS 181	Chamber Orchestra	1.0
MUS 189	Guitar Ensemble	1.0
MUS 241	Chamber Music Ensemble	1.0
MUS 271	Symphonic Band	1.0
The applied music courses may be chosen from:		*4.0-6.0*
MUS 115A	Applied Music (Private Instruction)	1.5
MUS 115B	Applied Music (Private Instruction)	1.5
MUS 115C	Applied Music (Private Instruction)	1.5
MUS 115D	Applied Music (Private Instruction)	1.5
MUS 121	Beginning Voice	1.0
MUS 122	Intermediate Voice	1.0
MUS 123	Advanced Voice	1.0
MUS 124	Advanced Vocal Production and Repertoire	1.0
MUS 140	Instrumental Methods for Winds and Percussion	1.0
MUS 161	Class Piano I	1.0
MUS 162	Class Piano II	1.0
MUS 163	Class Piano III	1.0
MUS 164A	Intermediate Piano Repertoire I	1.0
MUS 164B	Intermediate Piano Repertoire II	1.0
MUS 168	Stylistic Interpretation of Piano Repertoire	1.0
MUS 169	Harmonization at the Keyboard	1.0
MUS 173	Beginning Rhythms in Percussion and Drums	1.0
MUS 180A	String Methods	1.0
MUS 180B	Intermediate String Methods	1.0
MUS 185	Beginning Classical Guitar	1.0
MUS 186	Intermediate Classical Guitar	1.0
MUS 187	Advanced Classical Guitar	1.0
MUS 188	Advanced Classical Guitar Technique and Repertoire	1.0
MUS 215A	Applied Music (Advanced Private Instruction)	1.5
MUS 216	Advanced Harmony and Composition I	3.0
MUS 217	Advanced Harmony and Composition II	3.0
MUS 268	Intermediate Keyboard Repertoire	1.0
MUS 269	Intermediate Harmonization at the Keyboard	1.0
		Total: 28.0-32.0

Digital Music Production: Certificate of Achievement

Program Code: SAC.MUSDM.CA

Program Control Number: 16536

The program provides students with hands on experience, and a working knowledge of the creative and technical issues surrounding the production of digital audio and its application and synchronization with other media. Students will study various means of computer assisted digital audio production including sequencing, digital recording, recording studio techniques, mixdown, and synchronization to video. The business of music as well as current and emerging technologies, such as video game music and sound design will also be covered. A variety of music electives are available to help students gain experience in other musical skills including instruction on an instrument, ensemble playing, and music theory.

Learning Outcome(s):

1. Demonstrate a working knowledge of the creative and technical issues necessary for the production of digital audio and its application and synchronization with other media.
2. Demonstrate a working knowledge of computer assisted digital audio production including sequencing, digital recording,recording studio techniques, mix down and synchronization to video.
3. Demonstrate competency in the skills necessary for an entry level position in careers including audio technician in a studio, audio specialist for web design, independent audio technician in a project studio, audio technician/music specialist in a video post-production unit or company, retail specialist in a music store, music producer/composer for film, TV, radio or audio specialist for computer game company
4. Demonstrate an understanding of the business of music and current and emerging technologies for audio design.

Course		*15.0-16.0*
MUS 110	Music Fundamentals and Culture	3.0
	–or–	
MUS 111	Music Theory and Musicianship I	4.0
MUS 142	Creating Music on the Digital Audio Workstation	1.0
MUS 143	Intermediate Techniques on the Digital Audio Workstation	1.0
MUS 147	Digital Recording Studio Sound Design	2.0
	–or–	
MUS 153	Video Game Music and Sound Design	2.0
MUS 148	Music Scoring for Film and Multimedia	2.0
MUS 149	The Business of Music	2.0
MUS 152	Beginning Audio Production (samd as DM 152)	3.0
MUS 144	Projects in Electronic Music	1.0

Electives must be chosen from the following courses		*2.0*
MUS 112	Music Theory and Musicianship II	4.0
MUS 109	Reading and Making Music	2.0
MUS 121	Beginning Voice	1.0
MUS 122	Intermediate Voice	1.0
MUS 123	Advanced Voice	1.0
MUS 124	Advanced Vocal Production and Repertoire	1.0
MUS 140	Instrumental Methods for Winds and Percussion	1.0
MUS 146	Digital Recording Studio Techniques I	2.0
MUS 161	Class Piano I	1.0
MUS 162	Class Piano II	1.0
MUS 163	Class Piano III	1.0
MUS 164A	Intermediate Piano Repertoire I	1.0
MUS 164B	Intermediate Piano Repertoire II	1.0
MUS 173	Beginning Rhythms in Percussion and Drums	1.0
MUS 178	Mariachi	1.0
MUS 185	Beginning Classical Guitar	1.0
MUS 186	Intermediate Classical Guitar	1.0
MUS 187	Advanced Classical Guitar	1.0
MUS 188	Advanced Classical Guitar Technique and Repertoire	1.0
MUS 190	Introduction to ProTools	1.5
ENTR 120	Introduction to Working as a Freelance Independent Contractor	1.0
		Total: 17.0-18.0

NURSING

Nursing Degree Pre-Nursing for the Bachelor's Degree in Nursing: A.S. Degree

Program Code: SAC.NRSPR.AS

Program Control Number: 08737

Courses recommended for upper division standing (check with the Division Counselor and the transfer school to verify current courses): California State University, Long Beach; California State University, Fullerton; and California State University, Dominguez Hills.

Learning Outcome(s):

1. Students will meet the non-nursing prerequisites for transfer to a baccalaureate program.
2. Students will distinguish the non-nursing prerequisites necessary for transfer to a baccalaureate program.

Course		*24.0-25.0*
CHEM 209	Introductory Chemistry	4.0
	–or–	
CHEM 210	General, Organic and Biochemistry	5.0
	–or–	
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
BIOL 239	General Human Anatomy	4.0
BIOL 249	Human Physiology	4.0
BIOL 229	General Microbiology	5.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	3.0
PSYC C1000H	Introduction to Psychology-Honors	3.0
ENGL C1000	Academic Reading and Writing	4.0
ENGL C1000H	Academic Reading and Writing-Honors	4.0
		Total: 24.0-25.0

Nursing-Registered Nursing: A.S. Degree

Program Code: SAC.NRSRG.AS

Program Control Number: 04226

The Associate Degree Nursing (ADN) program is approved by the California Board of Registered Nursing (BRN) and accredited by the Accreditation Commission for Education in Nursing (ACEN). It is designed to qualify the graduate for the licensure examination and entry into practice as a Registered Nurse (RN). Additionally, completion of the Associate in Science Degree in Nursing prepares a graduate to transfer to a four-year institution for completion of a baccalaureate degree (see a counselor for requirements). The curriculum follows the Santa Ana College Conceptual Framework for Nursing.

Completion of a Nursing Orientation (call Santa Ana College Counseling at 714-564-6103 for dates) is strongly advised. Advance placement in the program may be granted to those students with certain prior experience, vocational nursing, registered nursing education or equivalent. Advanced-Placed/Transfer/Challenge applicants require an individual appointment with the Program Director or designee. SAC reserves the right to designate a certain number of spaces for contract agreements and/or meet grant designated requirements.

Program Learning Outcome:

Graduates will function knowledgeably, safely, and effectively in nursing practice within a variety of health care settings and will be qualified for the licensing examination.

End-Of-Program Student Learning Outcomes-The student will:

a. Modify the nursing process to meet the patient's needs

b. Select theories for nursing practice to provide individualized care

c. Design health care teaching

d. Utilize effective verbal and non-verbal communication

e. Delegate appropriately

f. Practice accountability and responsibility

g. Grow in professional development, and

h. Operate as a patient advocate.

Please refer to www.sac.edu/nursing for current and updated information.

Learning Outcome(s):

1. The Program Learning Outcome is that graduates will function knowledgeably, safely, and effectively in nursing practice within a variety of health care settings and will be qualified for the Registered Nursing (RN) licensing examination.
2. The End-Of-Program Student Learning Outcomes - The student will:
   a. Modify the nursing process to meet the patient's needs
   b. Select theories for nursing practice to provide individualized care
   c. Design health care teaching
   d. Utilize effective verbal and non-verbal communication
   e. Delegate appropriately
   f. Practice accountability and responsibility
   g. Grow in professional development, and
   h. Operate as a patient advocate.

Admission Prerequisites:		
The following prerequisites are required for entry into the program and first semester. Nursing students must meet current departme tal catalog requirements.		
Apply to Santa Ana College, obtain a Student Identification Number, and submit all official college transcripts to Santa Ana College, Admissions Office, 1530 W. 17th Street, Santa Ana, CA. 92706-3398. Please alert the college to possible name changes (e.g. maiden name). It is the student's responsibility to follow up and make sure transcripts have been received.		
Complete high school/equivalency or have a college degree, verified by submitting official transcripts of high school or college graduation, passing the GED, or passing the California High School Proficiency Examination.		
Complete courses or equivalents (units are semester units)		*16.0-17.0*
BIOL 239	General Human Anatomy	4.0
BIOL 249	Human Physiology	4.0
BIOL 139	Health Microbiology	4.0
	–or–	
BIOL 229	General Microbiology	5.0
ENGL C1000	Academic Reading and Writing	4.0
	–or–	
ENGL C1000H	Academic Reading and Writing-Honors	4.0
Major nursing requirements for the Associate Degree in Nursing:		
First Year Requirements		*19.5*
NRN 170	Pharmacological Concepts of Nursing	2.0
NRN 171	Principles of Nursing Practice and Simple Concepts	4.5
NRN 171L	Principles of Nursing Practice and Simple Concepts Lab	4.5
Second Year Requirements		16.5-18.5
NRN 172	Family Health and Illness Concepts	4.0
NRN 172L	Family Health and Illness Concepts Lab	4.5
Second Year Requirements		*16.5-18.5*
NRN 271	Mental Health and Acute Concepts	4.0
NRN 271L	Mental Health and Acute Concepts Lab	4.5
Fourth Semester		
NRN 272	Complex Concepts	3.5
NRN 272L	Complex Concepts and Preceptorship Lab	4.5
NRN 200	Role Transition	2.0
Graduation requirements for the Associate Degree in Nursing (See Counseling regarding catalog rights for graduation requirements): Total nursing units required if entered as generic student into first semester = 36. Total nursing units required if entered as LVN or advanced-placed student = 38 (This includes the NRN 200 Role Transition course units).		*15.0*
BIOL 239	General Human Anatomy	4.0
BIOL 249	Human Physiology	4.0
BIOL 139	Health Microbiology	4.0
ENGL C1000	Academic Reading and Writing	4.0
	–or–	
ENGL C1000H	Academic Reading and Writing-Honors	4.0
COMM C1000	Introduction to Public Speaking	3.0
	–or–	
COMM C1000H	Introduction to Public Speaking - Honors	3.0
	–or–	
CMST 145	Group Dynamics	3.0
	–or–	
	Communications 101 or 110 at SCC	3.0
SOC 100	Introduction to Sociology	3.0
	–or–	
SOC 100H	Honors Introduction to Sociology	3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
Select one course from the Associate Degree Plan 1, Social and Behavioral Science category, American Institutions - 3 Units		
Select one course from the Associate Degree Plan 1, Humanities category (Suggested course: English 102. It meets Humanities and Reading proficiency for Plan 1 and Critical Thinking for Baccalaureate of Science in Nursing at the CSUs) - 3 Units		

Total: 67.0-70.0

NUTRITION & FOODS

Hospitality Management: A.S.-T Degree for Transfer

Program Code: SAC.NUTHM.AST

Program Control Number: 40653

The Associate in Science for transfer in Hospitality Management (A.S.-T in Hospitality Management) is designed to provide students a clear pathway to transfer into the CSU system leading to a baccalaureate degree in Hospitality Management. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the A.S.-T in Hospitality Management degree also provides guaranteed admission to the CSU system, although not to a specific campus or major. The Hospitality Management major also offers a comprehensive educational approach to a career in the hospitality industry. The curriculum is designed to prepare students with both management theories and occupational job skills required to enter any segment of the industry. Students take classes specific to the industry including introduction to hospitality, introduction to the hotel industry, and hospitality law.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C" or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Create favorable guest experiences by using professional service management techniques in a hospitality business environment.
2. Demonstrate clear and logical decisions by organizing, analyzing, and interpreting information and formulating rational solutions in a hospitality business environment.
3. Demonstrate the behaviors of effective, ethical leaders by demonstrating the fundamental principles of leadership in a hospitality business environment.
4. Describe how hotels and restaurants are organized, with the roles and responsibilities of the various departments and job positions.

Required Core Course:		*3.0*
CULN 101	Introduction to Hospitality Management	3.0
	–or–	
MGMT 130	Introduction to Hospitality Management	3.0
List A Select 8-9 units or 3 courses from the following:		*8.0-9.0*
ECON C2001	Principles of Microeconomics	3.0
CULN 120	Introduction to Culinary Skills & Principles	3.0
CULN 202	Hospitality Cost Control	3.0
CULN 201	Introduction to Hotel Management	3.0
NUTR 110	Food Safety and Sanitation	2.0
	–or–	
CULN 110	Food Safety and Sanitation	2.0
MGMT 203	Introduction to Food & Beverage Management	3.0
	–or–	
CULN 203	Introduction to Food & Beverage Management	3.0
PARA 205	Hospitality Law	3.0
	–or–	
CULN 205	Hospitality Law	3.0
List B - Select 7-8.5 units or 2 courses from the following:		*7.0-8.5*
ACCT 101	Financial Accounting	4.0
BUS 101	Business Law	3.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics-Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
		Total: 18.0-20.5

Nutrition and Dietetics: A.S.-T Degree for Transfer

Program Code: SAC.NUT.AST

Program Control Number: 35983

The Associate in Science in Nutrition and Dietetics (A.S.-T in Nutrition and Dietetics) prepares students to transfer into the CSU system leading to a baccalaureate degree in Nutrition and Dietetics. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the A.S.-T in Nutrition/Dietetics degree also provides guaranteed admission to the CSU system, although does not guarantee admission to a specific campus or major. In addition to the A.S.-T in Nutrition/Dietetics degree requirements, students are encouraged to complete additional courses that may be articulated as major preparation, prior to transfer. Some typical courses that may be articulated are Nutrition 110, Nutrition 118, Communication Studies 102, 140, Political Science 101, 101H, Sociology 100, 100H, 240, Anthropology 100, 100H, Chemistry 119, 209, and Psychology 157, 230. While these additional courses are not required for this degree, they will better prepare students for upper-division nutrition and dietetics coursework at a CSU.

Upon completion of the A.S.-T in Nutrition/Dietetics, students will understand scientific concepts of nutrition related to the function of nutrients in basic life processes, explain current health issues with emphasis on individual needs, and apply food science principles related to ingredient function and interaction, food preparation techniques, sensory evaluation standards, food safety and sanitation, and nutrient composition of food.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Identify components of a healthy diet and lifestyle that lead to optimal health and chronic disease prevention.
2. Analyze an individual’s nutritional status and make appropriate dietary recommendations.
3. Identify and analyze credible research on nutrition-related topics.

Required Core Courses:		*15.0-16.0*
NUTR 115	Nutrition	3.0
	–or–	
NUTR 115H	Honors Nutrition	3.0
BIOL 139	Health Microbiology	4.0
	–or–	
BIOL 229	General Microbiology	5.0
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
List A - Select two courses:		*8.0-10.0*
CHEM 229	General Chemistry and Qualitative Analysis	5.0
CHEM 249	Organic Chemistry I	5.0
BIOL 239	General Human Anatomy	4.0
	–or–	
BIOL 249	Human Physiology	4.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics-Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
List B select one course.		*3.0*
NUTR 116	Principles of Food Preparation	3.0
NUTR 120	Food and Culture	3.0
		Total: 26.0-29.0

Nutrition and Dietetics: A.S. Degree
Program Code: SAC.NUT.AS
Program Control Number: 04236

The associate degree curriculum in nutrition and dietetics prepares students to transfer into a curriculum at a four-year institution leading to a baccalaureate degree. Opportunities in the field include positions in management in hospitals, schools, hotels, and restaurants; clinical dietetics in acute care hospitals, clinics, and convalescent homes; community nutrition at all levels - international, federal, state, and local; research, product development, and testing; teaching, and promotion of food in the business.

Learning Outcome(s):

1. Identify characteristics of a healthy diet and lifestyle that lead to optimal health and chronic disease prevention.
2. Demonstrate skills in basic food safety and preparation.
3. Determine nutrient needs for individuals and groups across the lifespan, in diverse cultures and religions, and for different income levels.

Required Core Courses		*16.5-17.5*
NUTR 101	The Food System and Career Opportunities	1.5
NUTR 115	Nutrition	3.0
	–or–	
NUTR 115H	Honors Nutrition	3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
BIOL 139	Health Microbiology	4.0
	–or–	
BIOL 229	General Microbiology	5.0
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
List A - Select two courses		*8.0-10.5*
CHEM 229	General Chemistry and Qualitative Analysis	5.0
CHEM 249	Organic Chemistry I	5.0
BIOL 239	General Human Anatomy	4.0
BIOL 249	Human Physiology	4.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics-Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
List B Select 7-8.5 units or 2 courses from the following, or from any courses from List A not already used:		*5.0-6.0*
NUTR 116	Principles of Food Preparation	3.0
NUTR 120	Food and Culture	3.0
NUTR 121	Sports Nutrition	3.0
NUTR 110	Food Safety and Sanitation	2.0
		Total: 29.5-34.0

Advanced Culinary Arts: Certificate of Achievement
Program Code: SAC.NUTAC.CA
Program Control Number: 40412

The Advanced Certificate in Culinary Arts is designed for students interested in gaining technical skills for skilled-level positions in hotels, restaurants, and institutions. It offers students the opportunity to apply and practice skills learned in all aspects of culinary arts in a real-world environment.

Learning Outcome(s):

1. Apply skills in knife, tool and equipment handling to produce a variety of food products.
2. Apply the fundamentals of baking science to the preparation of a variety of products.
3. Design recipes for a menu while balancing nutrition, the use of fresh products, and the final product's texture, color, and flavor.
4. Practice standards in behavior, grooming and dress that reflect the mature work attitude expected of industry professionals.

Required core courses:		*8.0*
CULN 100	Introduction to Culinary Arts and Hospitality	3.0
CULN 110	Food Safety and Sanitation	2.0
	–or–	
NUTR 110	Food Safety and Sanitation	2.0
CULN 120	Introduction to Culinary Skills & Principles	3.0
Select a minimum of 7 units from the courses below:		*7.0-8.0*
CULN 130	International Cuisine	3.0
CULN 140	Introduction to Baking & Pastry	3.0
CULN 150	Principles of Pantry	2.0
CULN 160	Principles of Beverage Service	2.0
Select a minimum of 2 units from the courses below:		*2.0*
CULN 230	Healthy American Cuisine	2.0
CULN 240	Vegetarian Cuisine	2.0
CULN 250	Modern Food: Style, Design, Theory And Production	2.0
Select one of the following courses:		*0.5-4.0*
CULN 299	Work Experience - Culinary	0.5-4.0
CULN 190	Food & Beverage Production Management	2.0
		Total: 17.5-22.0

Culinary Arts Foundation: Certificate of Achievement
Program Code: SAC.CULN.CA
Program Control Number: 08745

The Culinary Arts Foundation Certificate is designed to prepare students with the knowledge and skills necessary to begin their own culinary arts business, for professional improvement and retraining, or for a wide variety of employment opportunities in the profession.

Learning Outcome(s):

1. Demonstrate fundamental skills in food handling, dining room, beverage service, baking and food service, and use of kitchen equipment and tools.
2. Define classic cooking terminology and methods, apply health and safety standards.
3. Evaluate information, solving problems, and making decisions related to food preparation and food service.
4. Describe career opportunities within the food industry and strategize own career pathway.

Course		*11.5-15.0*
CULN 110	Food Safety and Sanitation	2.0
	–or–	
NUTR 110	Food Safety and Sanitation	2.0
CULN 120	Introduction to Culinary Skills & Principles	3.0
CULN 130	International Cuisine	3.0
CULN 140	Introduction to Baking & Pastry	3.0
CULN 190	Food & Beverage Production Management	2.0
	–or–	
CULN 299	Work Experience - Culinary	0.5-4.0
		Total: 11.5-15.0

Culinary Nutrition: Certificate of Achievement
Program Code: SAC.CULNU.CA
Program Control Number: 44529

The Culinary Nutrition Certificate program provides students with a comprehensive understanding of the relationship between food, nutrition, and health, as well as the culinary skills necessary to create delicious and nutritious meals. This program is ideal for individuals who are interested in pursuing careers in nutrition, culinary arts, or related fields.

Learning Outcome(s):

1. Demonstrate knowledge and skills in nutrition and food for entry-level nutrition and food related careers.
2. Apply core food principles to prepare nutritious foods.
3. Demonstrate a variety of communication strategies in nutrition and food education.

Core Courses		*14.5-15.5*
NUTR 101	The Food System and Career Opportunities	1.5
NUTR 110	Food Safety and Sanitation	2.0
	–or–	
CULN 110	Food Safety and Sanitation	2.0
NUTR 112	Food Service Nutrition	2.0
	–or–	
NUTR 115	Nutrition	3.0
NUTR 116	Principles of Food Preparation	3.0
	–or–	
CULN 116	Principles of Food Preparation	3.0
NUTR 120	Food and Culture	3.0
NUTR 121	Sports Nutrition	3.0
Pick One Elective		*2.0-3.0*
CULN 120	Introduction to Culinary Skills & Principles	3.0
CULN 130	International Cuisine	3.0
CULN 230	Healthy American Cuisine	2.0
CULN 240	Vegetarian Cuisine	2.0
		Total: 16.5-18.5

Hospitality Foundation: Certificate of Achievement
Program Code: SAC.NUTHO.CA
Program Control Number: 10668

The Hospitality Foundation Certificate is designed to prepare students with the knowledge and skills necessary to seek employment in the fields of restaurant management, hotel/resort management, food and beverage service, and special events/meeting planning.

Learning Outcome(s):

1. Create favorable guest experiences by using professional service management techniques in a hospitality business environment.
2. Demonstrate clear and logical decisions by organizing, analyzing, and interpreting information and formulating rational solutions in a hospitality business environment.
3. Describe how hotels and restaurants are organized, with the roles and responsibilities of the various departments and job positions.

Required Core Courses:		*22.0*
CULN 101	Introduction to Hospitality Management	3.0
CULN 110	Food Safety and Sanitation	2.0
CULN 201	Introduction to Hotel Management	3.0
CULN 202	Hospitality Cost Control	3.0
CULN 203	Introduction to Food & Beverage Management	3.0
CULN 205	Hospitality Law	3.0
CULN 160	Principles of Beverage Service	2.0
CULN 120	Restaurant Management and Culinary	2.0
		Total: 22.0

OCCUPATIONAL STUDIES

Occupational Studies: B.S. Degree
Program Code: SAC.OS.BS
Program Control Number: 34014

The baccalaureate degree in Occupational Studies will create a more highly skilled occupational therapy assistant (OTA) who is better able to understand and utilize research-based evidence for best practice and take on a leadership role. As an additional benefit, it will prepare an OTA for entry into an Occupational Therapy (OT) Master's degree program. The upper division course work will provide more in-depth training in specific areas of OT practice, including neurologic rehabilitation, musculoskeletal rehabilitation, pediatrics, geriatrics, and key practice areas identified by the American Occupational Therapy Association. These courses, together with a capstone project, will also provide increased opportunities for critical analysis, research methods, and clinical reasoning. To complete the Bachelor of Science in Occupational Studies, students must complete: (1) complete all upper division major course requirements with a grade of "C" or better or Pass ("P"); (2) complete the Cal-GETC lower division general education pattern; the CSU-GE Breadth pattern or IGETC pattern may be used in some cases, please see a counselor for details; OR complete the Santa Ana College Associate Degree General Education (GE) Requirements (Plan 1) with coursework completed from Plan 1 to total a minimum of 27 semester units (note that Plan 1 consists of a minimum of 24 units so additional Plan 1 coursework may be needed to reach 27 units).

Prerequisite: Associate Degree from an ACOTE accredited OTA program and OTA Certification/License or OTA NBCOT exam eligibility

Learning Outcome(s):

1. Students will demonstrate advanced mastery of Occupational Therapy Assistant (OTA) clinical skills, including clinical reasoning, that follow the guidelines established in the Occupational Therapy Practice Framework: Domain and Process.
2. Students will relate theory and research to clinical practice areas.
3. Students will provide OTA services that meet the community needs of diverse populations demonstrating sensitivity and empathy.
4. Students will participate in advocacy for clients in clinical and community settings.

Required lower division courses specific to the Occupational Studies BS Degree		*Units: 14.0*
Statistics		*4.0-4.5*
PSYC 210	Statistics for the Behavioral Sciences	4.0
	–or–	
STAT C1000H	Introduction to Statistics - Honors	4.0
	–or–	
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
PHYS 109	Survey of General Physics	4.0
SOC 100	Introduction to Sociology	3.0
SOC 100H	Honors Introduction to Sociology	3.0
PHIL 108	Ethics	3.0
Required upper division major courses specific to the Occupational Studies BS Degree		*Units: 30.0*
OS 301	Therapeutic Approaches to the Older Adult	3.0
OS 304	Movement Theory & Analysis	3.0
OS 305	Advanced Pediatric Practice for the Occupational Therapy Assistant (OTA)	3.0
OS 310	Community-Based Occupational Therapy Practice	3.0
OS 312	Advanced Practice Areas in Occupational Therapy (OT)	3.0

OS 325	Applying Research to Occupational Therapy Intervention	3.0
OS 402	Neurological Principles in Human Performance	4.0
OS 403	Leadership for the Occupational Therapy Assistant (OTA)	2.0
OS 410	Healthcare Systems	3.0
OS 412	Capstone Seminar	3.0
Required upper division general education courses specific to the Occupational Studies BS Degree		*Units: 10.0*
MATH 319	Quantitative Research Methods for Healthcare Professionals	4.0
CMST 307	Health Communication	3.0
SOC 401	The Sociology of Health, Illness, and Healing	3.0
		Total: 54.0

OCCUPATIONAL THERAPY ASSISTANT

Occupational Therapy Assistant: A.S. Degree

Program Code: SAC.OTA.AS

Program Control Number: 07485

The Occupational Therapy Assistant Program provides a strong foundation in the skills and knowledge necessary for entry-level occupational therapy assistant competencies.

Occupational therapy is a discipline that focuses on function as well as quality of life. Occupational therapy assistants provide service to individuals with physical, mental or developmental disabilities, across life phases that need to remediate skills of everyday tasks of self-care, home management, community skills, work, and leisure. The major requires general education courses including biological, social, and behavioral science, in addition to, occupational therapy courses. The program utilizes classroom instruction, online classes and fieldwork experiences to prepare the student to meet certification and employment standards.

The associate-degree-level occupational therapy assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929. ACOTE's telephone number c/o AOTA is (301) 652-AOTA and its web address is www.acoteonline.org. Graduates of the program will be eligible to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT), One Bank Street, Suite 300, Gaithersburg, MD 20877, phone number (301) 990-7979 and web address www.nbcot.org. After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). In addition, all states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Students who have completed all requirements will also need to apply for a license to practice in the State of California through the California Board of Occupational Therapy, 2005 Evergreen Street, Suite 2250, Sacramento, CA 95815, phone number (916) 263-2294, and web address www.bot.ca.gov. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure.

Finger printing is a requirement to apply for state licensure with the California Board of Occupational Therapy (BOT) and for placement in most level II fieldwork sites. For information about limitations based on felonies, students are advised to contact NBCOT and BOT any time prior to the application process. Students must complete 16 weeks of Level II Fieldwork within 18 months following the completion of the didactic portion of the program.

REQUIREMENTS/PREREQUISITES:

Satisfactory completion of all prerequisite courses, or their equivalents, with a grade of "C" or higher posted to the official transcript. Applicants with AP Exam taken in lieu of a prerequisite course must have a score of at least a 3.

- Biology 149, Human Anatomy & Physiology (can be taken as a part of a combined course or separately) This course has to be taken within the last 10 years. *Courses without a lab component are not equivalent to this prerequisite*
- Communication Studies 101 or 101H, Introduction to Interpersonal Communication or Communication Studies 102, Public
- Speaking or Communication Studies 103 or 103H, Introduction to Intercultural Communication or Communication Studies 140, Argumentation and Debate or Communication Studies 145, Group Dynamics
- English 101 or 101H, Academic Reading and Writing
- Psychology 100 or 100H, Introduction to Psychology

APPLICATION PROCEDURES:

Each semester has a separate application period. Check the website for the dates as they become available. For questions regarding the application process, please attend an information session. Completed applications will be accepted in the following format:

SPRING semester — a randomization selection process (lottery).

FALL semester — an Associate's degree in OTA to a Bachelor's degree in Occupational Studies (OS). Students will earn both degrees. The selection for this program will be criterion base. This program is for applicants without a Bachelor's Degree awarded from another college/university.

1. Apply to Santa Ana College to obtain a student ID #.
2. Download and complete the OTA application from our website. Incomplete application will not be reviewed and will be returned.
3. Obtain official high school transcripts (for applicants without an AA/AS or BA/BS degree awarded from an accredited United States Institution).
4. Ensure satisfactory completion of all prerequisite courses, or their equivalents, with a grade of "C" or better. A letter grade of "C-" is not acceptable. Applicants must have completed all prerequisite courses and the grades must be posted to the official transcripts before submitting an application.
   a. Applicant with AP Exam taken in lieu of a prerequisite course must have a score of 3, 4 or 5 on the AP test. Submit a sealed copy of the official AP Score Report from the College Board with the application.
5. Obtain official college transcripts from every college attended and include them in the application packet. DO NOT send the transcripts directly to Admissions & Records and DO NOT submit unofficial transcripts in the packet. Transcripts must be in sealed envelope from the college.
6. Deliver the application materials in one sealed envelope to the OTA program by the deadline.
7. ***This is only for students who have been selected to begin the enrollment process.*** Approximately 2 months prior to starting the program, students will be sent information for completion of the following:
   - Background check via CastleBranch
   - Provide CPR (BLS for Healthcare Providers)
   - Certification from American Heart Association
   - Obtain professional liability insurance
   - Report of Medical Screening
   - Provide documentation of various medical immunizations:
   - Measles, Mumps, Rubella (MMR)
   - Varicella (Chicken Pox)
   - Hepatitis B
   - TB Skin Test, –or– quantiFERON Gold blood test, –or– clear chest X-Ray
   - Completed DTP (Tdap) Series
   - Influenza Shot

Learning Outcome(s):

1. Be prepared for employment as Occupational Therapy Assistants.

Pass the National Board for Certification in Occupational Therapy (NBCOT) certification examination for occupational therapy assistants within 1 year of graduation.

Prerequisite Course Requirements	*14.0-18.0*
Anatomy and Physiology	*4.0-8.0*

Combined Anatomy and Physiology		*4.0*
BIOL 149	Human Anatomy and Physiology	4.0
	–or–	
Separate Anatomy and Physiology		*8.0*
BIOL 249	Human Physiology	4.0
	–and–	
BIOL 239	General Human Anatomy	4.0
Communication		*3.0*
COMM C1004	Interpersonal Communication	3.0
COMM C1004H	Interpersonal Communication - Honors	3.0
COMM C1000	Introduction to Public Speaking	3.0
COMM C1000H	Introduction to Public Speaking - Honors	3.0
CMST 103	Introduction to Intercultural Communication	3.0
CMST 103H	Honors Introduction to Intercultural Communication	3.0
CMST 140	Argumentation and Debate	3.0
CMST 145	Group Dynamics	3.0
Academic Reading and Writing		*4.0*
ENGL C1000	Academic Reading and Writing	4.0
ENGL C1000H	Academic Reading and Writing-Honors	4.0
Psychology		*3.0*
PSYC C1000	Introduction to Psychology	3.0
PSYC C1000H	Introduction to Psychology-Honors	3.0
First Semester		*10.0*
OTA 100	Medical Terminology and Documentation for the Occupational Therapy Assistant (OTA)	1.0
OTA 101	Foundations of Occupation and Occupational Therapy	4.0
OTA 101L	Exploration of Occupation Through Activity	2.0
OTA 110	Human Occupation Across Lifespan	3.0
Second Semester		*13.0*
OTA 102	Psychosocial Function and Dysfunction	4.0
OTA 102L	Psychosocial Components of Occupation	2.0
OTA 111	Applied Kinesiology	1.0
OTA 115	Human Disease and Occupation	2.0
OTA 120	Level I Fieldwork Part A	1.0
PSYC 250	Introduction to Abnormal Psychology	3.0
Third Semester		*11.0*
OTA 103	Physical Function and Dysfunction	4.0
OTA 103L	Physical Components of Occupation	2.0
OTA 130	Level I Fieldwork Part B	1.0
OTA 201	Contemporary Models of Occupational Therapy Practice	4.0
Fourth Semester		*12.0*
OTA 202	Level II Fieldwork - Part I	6.0
OTA 203	Level II Fieldwork - Part II	6.0
General Education Requirements		*9.0-12.0*
Mathematical Concepts and Quantitative Reasoning		
–and–		
Arts or Humanities		
–and–		
Ethnic Studies		

SAC General Education requirements may be met by completion of: • SAC GE Plan A* or • SAC GE Plan 1 or • Cal-GETC certification, Plan 2 or • Full CSU-GE Breadth certification, Plan B* or • Full IGETC certification, Plan C* or • Submission of a transcript indicating a bachelor's degree from a regionally accredited institution or • Submission of a transcript indicating an Associate of Arts or Associate of Science degree from a regionally accredited California institution within a ten-year period of finishing major requirements at the college. *Students must consult with a counselor to determine eligibility to use these GE patterns.

Total: 69.0-76.0

PARALEGAL

Paralegal Studies: B.A. Degree
Program Code: SAC.PS.BA
Program Control Number: 45342

The baccalaureate degree in Paralegal Studies will create a more highly skilled paralegal who is better prepared by education to perform substantial legal work under the direction and supervision of an active member of the State Bar of California, as defined by section 6450 of the California Business and Professions Code, who are qualified by education, who either contracts with or is employed by an attorney, law firm, corporation, governmental agency, or other entity, and who performs substantial legal work under the direction and supervision of an active member of the State Bar of California, as defined in Section 6060, or an attorney practicing law in the federal courts of this state, that has been specifically delegated by the attorney to him or her. This program is approved by the American Bar Association.

As an additional benefit, it will prepare the student to take the NALA Certified Paralegal Exam. The upper division course work will provide more in-depth training in specific areas of professional paralegals, including civil litigation, discovery and administration of electronically stored information, trial preparation and presentation, legal project management, advance technology issues such as privacy and security, advanced electronic research, contract management, regulatory compliance, legal investigations, clinic and work experience opportunities, and advanced legal ethics.

This program is not designed to prepare students for the practice of law.

To complete the Bachelor of Arts in Paralegal Studies, students must:

1. Complete Program Prerequisites of either:

   a. Associate Degree from an ABA-approved paralegal program that is from a U.S. institutionally accredited institution (that meets district and program standards of rigor).

   b. Or a Certificate from an ABA-approved paralegal program that is from a U.S. institution with accreditation from a formerly regional accrediting agency with any associate or baccalaureate degree from any regionally accredited institution.
2. General Education Requirement: complete the Cal-GETC lower division general education pattern; the CSU-GE Breadth pattern or IGETC pattern may be used in some cases, please see a counselor for details; OR complete the Santa Ana College Associate Degree General Education (GE) Requirements (Plan 1) with coursework completed from Plan 1 to total a minimum of 27 semester units (note that Plan 1 consists of a minimum of 24 units so additional Plan 1 coursework may be needed to reach 27 units).
3. Upper Division General Education Requirement: A minimum of 9 units of Upper Division Level General Education coursework as listed in program information.
4. Major Course Work: Complete all upper division major course requirements as listed in program information.
5. Major Requirement: Complete all upper division major course requirements with a grade of "C" or better.

6. Complete any elective courses that are baccalaureate level for a minimum of 120 units. Lower-division courses acceptable towards a baccalaureate degree are designated as CSU transferable or determined to be at the baccalaureate level.

   a. Lower-division courses from other U.S. institutionally accredited institutions (that meet district and program standards of rigor) will be reviewed by a counselor and graduation specialist to determine baccalaureate credit based on course description, comparable content, appropriate prerequisites, or C-ID number.
7. Residence Requirement - At least 12 units of upper division coursework must be completed at Santa Ana College or Santiago Canyon College or a combination of the two.
8. All lower-division requirements and pre-requisites must be met before the baccalaureate degree is granted.

Learning Outcome(s):

1. Students will be able to critically analyze and evaluate legal systems and sources of law, apply advanced electronic research techniques, manage complex legal projects, and create comprehensive strategies for civil discovery processes.
2. Students will have technical and practical skills to evaluate, create, and safeguard information that is electronically created, stored, collected, reviewed, produced, and encountered in the criminal and civil litigation process, as part of transactional work, or within the legal profession.
3. Students will demonstrate advanced proficiency in paralegal roles and duties, including client communication and legal ethics as established by the California Business and Professions Code Section 6450 and the California Rules of Professional Conduct for Attorneys.

Paralegal Upper Division Required Courses		*Units: 31.0-34.0*
PARA 310	Courtroom & Litigation Technology	3.0
PARA 320	Advanced Technology in the Law Office	3.0
PARA 321	Advanced Legal Ethics	3.0
PARA 330	Legal Project Management	3.0
PARA 345	Advanced Civil Litigation	3.0
PARA 348	Advanced Legal Research, Analysis, and Writing	3.0
PARA 350	Contract Management & Corporate Documents	2.0
PARA 370	Administrative Law and Regulatory Compliance	2.0
PARA 401	Advanced Law Office Procedure, Transactions, and Forms	3.0
PARA 407	Advanced Criminal Procedure	3.0
PARA 497	Advanced Paralegal Capstone	2.0
Work Experience - Take at least 1 unit from the following:		*1.0-4.0*
PARA 399	Advanced Work Experience - Paralegal	1.0-4.0
PARA 499	Advanced Work Experience - CLIRRC	1.0-4.0
General Education Upper Division Required Courses		*Units: 9.0*
CMST 310	Communication and Conflict Resolution	3.0
ENGL 301	Law and Literature	3.0
PSYC 350	Psychology and Law	3.0
		Total: 40.0-43

Paralegal: A.A. Degree

Program Code: SAC.PARA.AA

Program Control Number: 10629

This American Bar Association (ABA) approved program is designed to qualify students to work as a Paralegal/Legal Assistant as defined by section **6450 of the California Business and Professions Code**, who are qualified by education, who either contracts with or is employed by

an attorney, law firm, corporation, governmental agency, or other entity, and who performs substantial legal work under the direction and supervision of an active member of the State Bar of California, as defined in Section 6060, or an attorney practicing law in the federal courts of this state, that has been specifically delegated by the attorney to him or her.

This program is not designed to prepare students for the practice of law. .

Upon successful completion of the program students will be able to:

1. Make ethical decisions in the workplace
   1. Students will complete the PARA 121 Ethics class
   2. Students will incorporate ethical standards in the Law Office Management class through problem solving and discussion board discussions.
2. Understand legal concepts
   1. Students will demonstrate legal concepts in the legal specialty classes through examination and practical exercises.
   2. Students will draft law office memorandum and appellate briefs in the Advanced Legal writing class incorporating analysis of legal concepts.
3. Communicate effectively orally and in writing
   1. Students will draft law office memorandum.
   2. Students will use proper grammar, punctuation, and spelling.
   3. Students will create client correspondence.
4. Be proficient in using legal technology
   1. Students will demonstrate the use of the Microsoft suite (Word, PowerPoint and Excel) in their completion of assignments.
   2. Students will complete assignments using legal specific software.
5. Have the tools necessary to obtain employment in their field of study in a timely manner.

All courses must be passed with a C grade or better with the exception of PARA 297, which is pass/no pass.

Specific General Education Requirements for the degree:

The ABA additionally specifies that a student must complete a minimum of 18 semester units of ABA approved general education courses from at least 3 disciplines in the areas of language and composition, mathematics, social science and behavioral sciences, natural sciences, humanities and the arts. This excludes courses in kinesiology, counseling, performing arts, accounting, computer science, technical writing, business mathematics, keyboarding, and business law. Students are urged to seek counseling prior to enrollment to insure that college general education choices satisfy this requirement.

Major requirements for students seeking the degree:

Note: Students must complete the program within 5 years or repeat any legal specialty courses which were completed more than 5 years prior

to graduation. Legal specialty courses subject to these requirements are marked with an asterisk (*).

Learning Outcome(s):

1. Students will be able to make ethical decisions in the workplace
2. Students will be able to understand legal concepts.
3. Students will be able to communicate effectively orally and in writing.
4. Students will be proficient in using legal technology.
5. Students will have the tools necessary to obtain employment in their field of study in a timely manner.

Students must meet the AA degree requirements as set forth in the appropriate catalog. In addition, students must demonstrate that they have completed 18 semester units of general education as defined by the American Bar Association. Within the requirement for 18 semester credits or the equivalent of general education course work, students must take courses in at least three disciplines, such as social sciences, natural sciences, mathematics, humanities, foreign language, and English. Core Courses for all Students: 37.0.		
Required Legal Courses: Students should take Para 100 or Law 100 prior to or concurrently with other legal specialty courses.		*9.0*
Law and Society		*3.0*
PARA 100	Law and Society	3.0
	–or–	
LAW 100	Law and Society	3.0
Legal Ethics		*3.0*
PARA 121	Legal Ethical Reasoning	3.0
	–or–	
LAW 121	Legal Ethical Reasoning	3.0
Business Law		*3.0*
LAW 105	Legal Environment of Business	3.0
	–or–	
BUS 105	Legal Environment of Business	3.0
	–or–	
BUS 101	Business Law	3.0
Required Legal Specialty Courses: Students must pass Para 246 with a C or better prior to taking Para 248 and Para 297. Para 297 is intended to be taken in the final semester of the program. Students must complete the program within 5 years or repeat any legal specialty courses which were completed more than 5 years prior to graduation. Legal specialty courses subject to these requirements are listed below.		*28.0*
PARA 101	Law Office Management	2.0
PARA 120	Computers in the Law Office	4.0
PARA 145	Civil Litigation Overview*	4.0
PARA 146	Tort Law and Alternative Dispute Resolution	4.0
PARA 150	Legal Transactions	5.0
PARA 246	Legal Research and Analysis	4.0
PARA 248	Advanced Research and Writing	3.0
PARA 297	The Professional Paralegal	2.0
Students must choose a minimum of 2 units from the legal elective courses.		*2.0-6.0*
PARA 105	Work Experience - CLIRRC	1.0-4.0
PARA 107	Principles and Procedures in the Criminal Justice System	3.0
PARA 117	Law of Global Commerce and Management	3.0
PARA 122	Advanced Life Planning	3.0
PARA 132	Family Law and Procedure	2.0
PARA 133	Workers Compensation Law and Procedure	2.0
PARA 134	Estate Planning and Administration	2.0
PARA 135	Bankruptcy Law and Procedure	2.0
PARA 136	Landlord Tenant Law and Procedure	2.0
PARA 138	Law of Business Organizations	2.0
PARA 139	Fundamentals of Labor Law	2.0
PARA 140	Immigration Law and Procedure	2.0
PARA 144	Introduction to eDiscovery	2.0
PARA 205	Hospitality Law	3.0
PARA 299	Work Experience - Paralegal	1.0-4.0
LAW 299	Work Experience - Law	1.0-4.0
LAW 110	Legal Terminology	2.0
		Total: 39.0-43.0

Paralegal: Certificate of Achievement

Program Code: SAC.PARA.CA

Program Control Number: 04237

This American Bar Association (ABA) approved program is designed to prepare students to work as a Paralegal/Legal Assistant as defined by section 6450 of the California Business and Professions Code, who are qualified by education, who either contracts with or is employed by an attorney, law firm, corporation, governmental agency, or other entity, and who performs substantial legal work under the direction and supervision of an active member of the State Bar of California, as defined in Section 6060, or an attorney practicing law in the federal courts of this state, that has been specifically delegated by the attorney to him or her.

This program is not designed to prepare students for the practice of law.

Upon successful completion of the program students will be able to:

1. Make ethical decisions in the workplace
   - Students will complete the PARA 121 Ethics class
   - Students will incorporate ethical standards in the Law Office Management class through problem solving and discussion board discussions.
2. Understand legal concepts
   - Students will demonstrate legal concepts in the legal specialty classes through examination and practical exercises.
   - Students will draft law office memorandum and appellate briefs in the Advanced Legal writing class incorporating analysis of legal concepts.
3. Communicate effectively orally and in writing
   - Students will draft law office memorandum.
   - Students will use proper grammar, punctuation, and spelling.
   - Students will create client correspondence.
4. Be proficient in using legal technology
   - Students will demonstrate the use of the Microsoft suite (Word, PowerPoint and Excel) in their completion of assignments.
   - Students will complete assignments using legal specific software.
5. Have the tools necessary to obtain employment in their field of study in a timely manner.

All courses must be passed with a C grade or better with the exception of PARA 297, which is pass/no pass.

Specific General Education Requirements for the Certificate:

The ABA additionally specifies that a student must complete a minimum of 18 semester units of ABA approved general education courses from at least 3 disciplines in the areas of language and composition, mathematics, social science and behavioral sciences, natural sciences, humanities and the arts. This excludes courses in kinesiology, counseling, performing arts, accounting, computer science, technical writing, business mathematics, keyboarding, and business law. Students are urged to seek counseling prior to enrollment to insure that college general education choices satisfy this requirement.

Major requirements for students seeking the certificate:

Note: Students must complete the program within 5 years or repeat any legal specialty courses which were completed more than 5 years prior to graduation.

Legal specialty courses subject to these requirements are marked with an asterisk (*).

Learning Outcome(s):

1. Make ethical decisions in the workplace.
2. Understand legal concepts.
3. Communicate effectively orally and in writing.
4. Be proficient in using legal technology.
5. Have the tools necessary to obtain employment in their field of study in a timely manner.

Students must meet the AA degree requirements as set forth in the appropriate catalog. In addition, students must demonstrate that they have completed 18 semester units of general education as defined by the American Bar Association. Within the requirement for 18 semester credits or the equivalent of general education course work, students must take courses in at least three disciplines, such as social sciences, natural sciences, mathematics, humanities, foreign language, and English. Core Courses for all Students: Required Legal Courses: Students should take Para 100 or Law 100 prior to or concurrently with other legal specialty courses.		*41.0*
Law and Society		*9.0*
PARA 100	Law and Society	3.0
LAW 100	Law and Society	3.0
Legal Ethics		*3.0*
PARA 121	Legal Ethical Reasoning	3.0
LAW 121	Legal Ethical Reasoning	3.0
Business Law		*3.0*
LAW 105	Legal Environment of Business	3.0
BUS 105	Legal Environment of Business	3.0
BUS 101	Business Law	3.0
Required Legal Specialty Courses: Students must pass Para 246 with a C or better prior to taking Para 248 and Para 297. Para 297 is intended to be taken in the final semester of the program. Students must complete the program within 5 years or repeat any legal specialty courses which were completed more than 5 years prior to graduation. Legal specialty courses subject to these requirements are listed below.		*28*
PARA 101	Law Office Management	2.0
PARA 120	Computers in the Law Office	4.0
PARA 145	Civil Litigation Overview	4.0
PARA 146	Tort Law and Alternative Dispute Resolution	4.0
PARA 150	Legal Transactions	5.0
PARA 246	Legal Research and Analysis	4.0
PARA 248	Advanced Research and Writing	3.0
PARA 297	The Professional Paralegal	2.0
Students must choose a minimum of 2 units from the legal elective courses.		*2.0-6.0*
PARA 105	Work Experience - CLIRRC	1.0-4.0
PARA 107	Principles and Procedures in the Criminal Justice System	3.0
PARA 117	Law of Global Commerce and Management	3.0
PARA 122	Advanced Life Planning	3.0
PARA 132	Family Law and Procedure	2.0
PARA 133	Workers Compensation Law and Procedure	2.0
PARA 134	Estate Planning and Administration	2.0
PARA 135	Bankruptcy Law and Procedure	2.0
PARA 136	Landlord Tenant Law and Procedure	2.0
PARA 138	Law of Business Organizations	2.0
PARA 139	Fundamentals of Labor Law	2.0
PARA 140	Immigration Law and Procedure	2.0
PARA 144	Introduction to eDiscovery	2.0
PARA 205	Hospitality Law	3.0
LAW 110	Legal Terminology	2.0
PARA 299	Work Experience - Paralegal	1.0-4.0
LAW 299	Work Experience - Law	1.0-4.0
		Total: 39.0-43.0

PHARMACY TECHNOLOGY

Pharmacy Technology: A.S. Degree

Program Code: SAC.PHAR.AS

Program Control Number: 04230

In addition to the general education requirement, the associate degree includes the full-spectrum training required for employment in all pharmacy practice settings. Upon completion of the associate degree, graduates will meet the academic training requirements for licensing with the California State Board of Pharmacy. Graduates will also be well prepared for the Pharmacy Technician Certification Board exam.

The major course requirements for the associate degree consists of the same 20.0 units of coursework listed in the Basic Certificate option, including the 2.0 units outpatient externship rotation. In addition to completing two additional academic courses (PHAR 057 and PHAR 060), students choosing the associate degree must perform 200 additional hours (3 additional units) of externship, involving rotations in inpatient and sterile products pharmacy services. Students will be placed in the hospital and/or home infusion setting to complete these rotations. Background checks, health screenings, and/or drug testing will be required prior to lab classes. Any required investigations are done at the student's expense. Students are expected to understand and agree to abide by the Program Guidelines, which include technician standards and essential functions for pharmacy technicians.

The associate degree is accredited by the American Society of Health-System Pharmacists (ASHP). Students must complete each required course with a grade of "C" or better (0.5 unit of PHAR 060L or other L-series lab classes and externship with a grade of "P") to qualify for the degree option.

All courses are required to be completed within a 3-year period to be eligible for Pharmacy Technology program enrollment and certificate/degree.

Learning Outcome(s):

1. Apply for the California Board of Pharmacy licensing as a Pharmacy Technician in a timely manner.
2. Construct an effective resume for Pharmacy Technician job interviews, highlighting your advanced technical skills and Associates of Science in Pharmacy Technology.
3. Apply for the Pharmacy Technician Certification Board Exam and complete successfully.

Required Course:		*28.0-32.0*
PHAR 048	Introduction to Pharmacy Technology	2.0
PHAR 055	Pharmacy Calculations	2.0
PHAR 051	Body Systems I	3.5
PHAR 052	Body Systems II	3.5
PHAR 056	Pharmacy Operations	4.5
PHAR 057	Inpatient Pharmacy Services	2.0
PHAR 060	Sterile Products	4.5
PHAR 060L	Pharmacy Technology Skills Lab	0.5-1.0
PHAR 057L	Pharmacy Technology Skills Lab	0.5-1.0
	–or–	
PHAR 056L	Pharmacy Technology Skills Lab	0.5-1.0
	–or–	
PHAR 072L-1	Pharmacy Technology Skills Lab	0.5-1.0
	–or–	
PHAR 072L-2	Pharmacy Technology Skills Lab	0.5-1.0
PHAR 072A	Pharmacy Technology Externship Outpatient	0.5-2.0
PHAR 072B	Pharmacy Technology Externship Inpatient	0.5-1.5
PHAR 072C	Pharmacy Technology Externship Sterile Products	0.5-1.5
Recommended electives		
BIOL 139	Health Microbiology	4.0
BIOL 149	Human Anatomy and Physiology	4.0
CHEM 109	Chemistry in the Community	4.0
CHEM 210	General, Organic and Biochemistry	5.0
CMPR 100	The Computer and Society	3.0
		Total: 28.0-32.0

Pharmacy Technology Advanced Option: Certificate of Achievement

Program Code: SAC.PHARA.CA

Program Control Number: 21789

The Pharmacy Technology Advanced Certificate Option includes the full-spectrum training required for employment in all pharmacy practice settings. Upon completion of the Advanced Certificate, graduates will meet the academic training requirements for licensing with the California State Board of Pharmacy. Graduates will also be well prepared for the Pharmacy Technician Certification Board exam.

The major course requirements for the Advanced Certificate consists of the same 20.0 units of coursework listed in the Basic Certificate option, including the one unit outpatient externship rotation. In addition to completing two additional academic courses (PHAR 057 and PHAR 060), students choosing the Advanced Certificate option must perform 200 additional hours (3 additional units) of externship, involving rotations in inpatient and sterile products pharmacy services. Students will be placed in the hospital and/or home infusion setting to complete these rotations. Background checks, health screenings, and/or drug testing will be required prior to lab classes. Any required investigations are done at the student's expense. Students are expected to understand and agree to abide by the Program Guidelines, which include technician standards and essential functions for pharmacy technicians.

The Advanced Certificate option is accredited by the American Society of Health-System Pharmacists (ASHP). Students must complete each required course with a grade of "C" or better (0.5 unit of PHAR 060L or other L-series lab classes and externship with a grade of "P") to qualify for the Advanced Certificate.

All courses are required to be completed within a 3-year period to be eligible for Pharmacy Technology program enrollment and certificate/degree.

Learning Outcome(s):

1. Develop a polished resume for Pharmacy Technician job interviews, highlighting your advanced technical skills.
2. Apply and complete Pharmacy Technician Certification Board Exam successfully.
3. Apply for the California Board of Pharmacy application for licensing as a Pharmacy Technician in a timely manner.

Required Courses:		*24.0-30.0*
PHAR 048	Introduction to Pharmacy Technology	2.0
PHAR 055	Pharmacy Calculations	2.0
PHAR 051	Body Systems I	3.5
PHAR 052	Body Systems II	3.5
PHAR 056	Pharmacy Operations	4.5
PHAR 057	Inpatient Pharmacy Services	2.0
PHAR 060	Sterile Products	4.5
PHAR 056L	Pharmacy Technology Skills Lab	0.5-1.0
	–or–	
PHAR 057L	Pharmacy Technology Skills Lab	0.5-1.0
	–or–	
PHAR 060L	Pharmacy Technology Skills Lab	0.5-1.0
	–or–	
PHAR 072L-1	Pharmacy Technology Skills Lab	0.5-1.0
	–or–	
PHAR 072L-2	Pharmacy Technology Skills Lab	0.5-1.0
PHAR 072A	Pharmacy Technology Externship Outpatient	0.5-2.0
PHAR 072B	Pharmacy Technology Externship Inpatient	0.5-1.5
PHAR 072C	Pharmacy Technology Externship Sterile Products	0.5-1
Recommended electives		
BA 115	Computer Keyboarding Speed and Accuracy Development	0.5
BIOL 149	Human Anatomy and Physiology	4.0
CHEM 109	Chemistry in the Community	4.0
CMPR 100	The Computer and Society	3.0
		Total: 24.0-30.0

Pharmacy Technology Basic Option: Certificate of Achievement
Program Code: SAC.PHARB.CA
Program Control Number: 18780

The Basic Certificate option prepares students for entry-level employment as pharmacy technicians in the retail pharmacy sector. By completing the Basic Certificate option, students will meet the minimum academic training requirements for licensing as specified by the California State Board of Pharmacy.

Students who intend to complete only the Basic Certificate option will be placed for a minimum of 120 hours of externship in an outpatient (drug store or ambulatory care clinic) pharmacy site to gain workplace experience.

Background checks, health screenings, and/or drug testing will be required prior to lab classes. Any required investigations are done at the student's expense. Students are expected to understand and agree to abide by the Program Guidelines, which include technician standards and essential functions for pharmacy technicians.

The Basic Certificate option is not accredited by the American Society of Health-Systems Pharmacists (ASHP). Students who earn the Basic Certificate and then continue through the Advanced Certificate will be designated as having completed an ASHP-accredited program. Students must complete each required course with a grade of "C" or better (Externship with a grade of "P") to qualify for the Basic Certificate.

All courses are required to be completed within a 3-year period to be eligible for Pharmacy Technology program enrollment and certificate/degree.

Learning Outcome(s):

1. Construct an effective resume for Pharmacy Technician job interviews.
2. Apply for licensing as a Pharmacy Technician with the California Board of Pharmacy in a timely manner.
3. Apply for the Pharmacy Technician Certification Board Exam.

Required Courses:		*16.5-20.5*
PHAR 048	Introduction to Pharmacy Technology	2.0
PHAR 055	Pharmacy Calculations	2.0
PHAR 051	Body Systems I	3.5
PHAR 052	Body Systems II	3.5
PHAR 056	Pharmacy Operations	4.5
PHAR 072A	Pharmacy Technology Externship Outpatient	0.5-2.0
Recommended electives		
BIOL 139	Health Microbiology	4.0
CHEM 210	General, Organic and Biochemistry	5.0
CMPR 100	The Computer and Society	3.0
PHAR 056L	Pharmacy Technology Skills Lab	0.5-1.0
		Total: 16.5-20.5

PHILOSOPHY

Philosophy: A.A.-T Degree for Transfer
Program Code: SAC.PHIL.AAT
Program Control Number: 33220

The Associate in Arts in Philosophy for Transfer (A.A.-T in Philosophy)is designed to prepare students for transfer into the CSU system to complete a baccalaureate degree in Philosophy. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the A.A.-T degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the A.A.-T in Philosophy students will have an understanding of the core historical and contemporary ideas central to the discipline of philosophy. Students will also have the critical thinking, logical analysis, and analytical writing skills instrumental for success across academic disciplines.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of "C" (or "P") for each course in the major. If the course was taken on a Pass/No Pass basis the "P" must be equal to a "C" or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. demonstrate strong skills in critical thinking, logical analysis, and analytical writing
2. demonstrate an understanding of the core historical and contemporary ideas central to the discipline

Required Core Courses: Select Two		*7.0*
PHIL 111	Introductory Logic	4.0
PHIL 106	Introduction to Philosophy	3.0
	–or–	
PHIL 106H	Honors Introduction to Philosophy	3.0
	–or–	
PHIL 108	Ethics	3.0
List A: Select one Required Core course not already used or one of the following:		*3.0-4.0*
PHIL 110	Critical Thinking	4.0
PHIL 110H	Honors Critical Thinking	4.0
PHIL 112	World Religions	3.0
PHIL 118	History of Philosophy	3.0
List B: Select any two courses from List A not already used		*6.0-7.0*
List C: Select course from List A or List B not already used or one of the following:		*3.0-4.0*
HIST 101	World Civilizations to the 16th Century	3.0
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
		Total: 19.0-22.0

Philosophy: A.A. Degree
Program Code: SAC.PHIL.AA
Program Control Number: 04240

The associate degree curriculum in philosophy prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree. The baccalaureate degree is intended for those students who plan to teach philosophy, or for pre-professional students in such areas as theology and law, and as a foundation for graduate studies in the areas of library science, diplomacy, theoretical physical science, and specialized historical studies.

Learning Outcome(s):

1. demonstrate strong skills in critical thinking, logical analysis, and analytical writing
2. demonstrate an understanding of the core historical and contemporary ideas central to the discipline

Required Core Courses		*16.0*
PHIL 106	Introduction to Philosophy	3.0
	–or–	
PHIL 106H	Honors Introduction to Philosophy	3.0
PHIL 108	Ethics	3.0
PHIL 110	Critical Thinking	4.0
	–or–	
PHIL 110H	Honors Critical Thinking	4.0
	–or–	
PHIL 111	Introductory Logic	4.0
PHIL 112	World Religions	3.0
PHIL 118	History of Philosophy	3.0
Electives: Select any two of the following courses:		*6.0*
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3.0
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3.0
ENGL 233A	Shakespeare's Comedies and Romances	3.0
ENGL 233B	Shakespeare's Tragedies and History Plays	3.0
ENGL 233C	Shakespeare's Theatre	3.0
ENGL 271	Survey of World Literature I	3.0
ENGL 272	Survey of World Literature II	3.0
HIST 101	World Civilizations to the 16th Century	3.0
	–or–	
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
	–or–	
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
IDS 121	Humanities Through the Arts	3.0
MUS 101	Music Appreciation	3.0
	–or–	
MUS 101H	Honors Music Appreciation	3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology - Honors	3.0
		Total: 22.0

PHOTOGRAPHY

Photography: A.A. Degree
Program Code: SAC.PHOT.AA
Program Control Number: 04224

The Associate of Arts in Photography at Santa Ana College provides comprehensive training in industry-level digital photographic techniques. This program combines technical mastery with creative vision, critical thinking, and professional practices essential for success in the contemporary photography world. Students develop proficiency across multiple photographic genres including portrait, weddings, landscape, photojournalism, commercial, and fine art photography. The curriculum emphasizes hands-on learning with industry-standard equipment and software (including Adobe CC and Capture One). Students utilize their professional skill set to craft a portfolio of technically efficient photographs, demonstrating a personal vision. The coursework juxtaposes technical skill development with creativity, encouraging students to engage critically with photographic history and contemporary practices. Upon completion of this degree, students can enter the industry directly or consider transfer options to BA or BFA photography programs.

Learning Outcome(s):

3. Produce properly exposed, technically competent digital photographs using manual camera settings in diverse lighting situations according to current industry standards.
4. Demonstrate proficiency in contemporary digital photographic post-production, and image manipulation techniques, from camera, to computer, to printer using professional-level workflows and tools.
5. Apply contemporary professional camera lenses and industry-standard lighting equipment to diverse photographic projects in studio settings and on location.
6. Create a robust portfolio demonstrating photographic technique and a personal vision in preparation for entry into the workforce or transfer to a 4-year institution.
7. Generate intentional, photographic content centered around a specific theme or topic and create a focused sequence of dynamic images.
8. Articulate and apply basic verbal (and/or written) critical analysis of photographic form, content and technique.

Required Courses		*27.0*
PHOT 180	Beginning Photography	3.0
PHOT 150	History of Photography	3.0
ART 110	Two-Dimensional Design	3.0
Introduction to Photojournalism		*3.0*
PHOT 160	Introduction to Photojournalism	3.0
	–or–	
JAMS 160	Introduction to Photojournalism	3.0
PHOT 185A	Landscape Photography	3.0
PHOT 194	Digital Workflow	3.0
PHOT 196	Commercial Photography	3.0
PHOT 291	Wedding and Quinceañera Photography	3.0
PHOT 292	Portrait Photography	3.0
Electives: Select 3 to Units from		*3.0-3.5*
JAMS 103	Introduction to Visual Communications	3.0
ART 133	Introduction to Gallery Production	2.0
PHOT 009	Photography Lab	1.0-1.5
ART 195	Introduction to Digital Media Arts	3.0
PHOT 185B	Intermediate Landscape Photography	3.0
PHOT 294	Color Photographic Expression	3.0
		Total: 30.0-30.5

Commercial Photography: Certificate of Achievement
Program Code: SAC.PHOT.CA
Program Control Number: 21787

The Certificate of Commercial Photography provides students with the fundamentals of client-based digital photographic practices from a technical, administrative, creative and professional standpoint. Industry-level commercial photography camera techniques, experience utilizing professional photographic studio equipment, practice lighting a variety of subjects and engagement with editing and tethering software will provide students with the vision to create their own portfolios demonstrating a personal voice. This certificate prepares students for a successful start to a business in client-focused photography. Students will learn and employ photography business and marketing techniques to ground their work administratively in a professional sphere.

Learning Outcome(s):

1. Operate the manual functions of an industry-level professional digital camera and acquire an array of experiences using lighting equipment and other essential tools in a studio and on location.
2. Apply professional image tethering and editing software to professional photography sessions and images.
3. Plan and implement client-oriented photography sessions with a team of professional creatives, on location and in a studio setting.
4. Understand, prepare and utilize commercial photography legal documents, client engagement strategies and marketing techniques.
5. Create a portfolio of client-focused photographic work demonstrating a personal vision.

Required Courses		*18.5-19.5*
PHOT 180	Beginning Photography	3.0
PHOT 185A	Landscape Photography	3.0
PHOT 194	Digital Workflow	3.0
PHOT 009	Photography Lab	0.5-1.5
PHOT 196	Commercial Photography	3.0
PHOT 291	Wedding and Quinceañera Photography	3.0
PHOT 191	Commercial Studio Business Practices	3.0
Electives		*3.0*
PHOT 150	History of Photography	3.0
PHOT 160	Introduction to Photojournalism	3.0
	–or–	
JAMS 160	Introduction to Photojournalism	3.0
DM 195	Introduction to Digital Media Arts	3.0
	–or–	
ART 195	Introduction to Digital Media Arts	3.0
BUS 170	Principles of Small Business Management	3.0
PHOT 292	Portrait Photography	3.0
		Total: 21.5-22.5

Photojournalism: Certificate of Achievement
Program Code: SAC.PHOTJ.CA
Program Control Number: 43717

The Certificate in Photojournalism provides students with the fundamentals of storytelling for visual media from a technical, theoretical and professional standpoint. Industry-level photojournalistic practices, experience with photographic equipment and editing processes, and exposure to contemporary storytelling techniques for multiple news platforms will give students the necessary career skills to effectively produce news in a 21st-century information environment. Students build a portfolio of work and publish their photography, video and design as a staff member of SAC's nationally recognized student media outlet el Don.

Learning Outcome(s):

1. Demonstrate the fundamentals of digital SLR and mirrorless camera photography using manual functions to manage light.
2. Create impactful news photographs to be published on a deadline and apply professional editing processes.
3. Understand the cultural and social impact of photography in the contemporary media landscape.
4. Produce narrative photographs and recognize the essential components of storytelling for media.
5. Communicate legal issues at stake in photojournalism today such as copyright.

Required courses		*16.0*
PHOT 180	Beginning Photography	3.0
JAMS 160	Introduction to Photojournalism	3.0
	–or–	
PHOT 160	Introduction to Photojournalism	3.0
PHOT 291	Wedding and Quinceañera Photography	3.0
JAMS 103	Introduction to Visual Communications	3.0
JAMS 123A	Multimedia News Production	4.0
		Total: 16.0

PHYSICS

Physics 2.0: A.S.-T Degree for Transfer

Program Code: SAC.PHYS2.AST

Program Control Number: 46226

The Associate in Science in Physics for Transfer (A.S.-T) prepares students to transfer in to the CSU system leading to a baccalaureate degree in Physics. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the A.S.-T degree also provides guaranteed admission to the CSU system, although does not guarantee admission to a specific campus or major. In addition to the A.S-T degree requirements, students are encouraged to complete additional courses, that may be articulated as major preparation, prior to transfer. Some typical courses that may be articulated are Mathematics 287, Mathematics 290, Chemistry 219, and Computer Science 120. While these additional courses are not required for this degree, they will better prepare students for upperdivision Physics coursework at a CSU. Upon completion of the A.S-T, students will become grounded in the fundamental physical laws as well as quantitative and analytical reasoning. Upon completion of the baccalaureate degree in Physics, students may then move in to careers in applied physics, education, and/or as assistant research scientists.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will develop communication via coherent and succinct scientific writing, creative and critical thought for problem solving, and technological competence in the use of computerized sensors, software, and programming for scientific purposes.

Courses		*12.0*
PHYS 217	Engineering Physics I	4.0
PHYS 227	Engineering Physics II	4.0
PHYS 237	Engineering Physics III	4.0
		17.0
MATH C2210	Calculus I Early Transcendentals	4.0
	–and–	
MATH C2220	Calculus II Early Transcendentals	4.0
MATH 280	Intermediate Calculus	4.0
MATH 287	Introduction to Linear Algebra and Differential Equations	5.0
		3.0
CMPR 121	Programming Concepts	3.0
CMPR 114	Python Programming	3.0
		Total: 32.0

Physics: A.S. Degree

Program Code: SAC.PHYS.AS

Program Control Number: 04244

The associate degree curriculum in physics prepares students to move into a curriculum at a four-year institution leading to a baccalaureate, and then into careers in applied physics, research and development, and/or as assistant research scientists.

Learning Outcome(s):

1. Students will develop communication via coherent and succinct scientific writing, creative and critical thought for problem solving, and technological competence in the use of computerized sensors, software, and programming for scientific purposes.

Course		*24.0*
PHYS 217	Engineering Physics I	4.0
PHYS 227	Engineering Physics II	4.0
PHYS 237	Engineering Physics III	4.0
MATH C2210	Calculus I Early Transcendentals	4.0
MATH C2220	Calculus II Early Transcendentals	4.0
MATH 280	Intermediate Calculus	4.0
		Total: 24.0

POLITICAL SCIENCE

Political Science:A.A.-T Degree for Transfer

Program Code: SAC.POLT.AAT

Program Control Number: 31859

The Associate in Arts in Political Science for Transfer (AA-T) prepares students to transfer into the CSU system. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T degree also provides guaranteed admission to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the AA-T in Political Science students will have an understanding of both the breadth and depth of the political science discipline. This knowledge will be grounded in the comprehension of political science principles, concepts, ideas, theories, research, and terminology. Students will also have the capacity to write and think in a critical and analytical way about issues pertaining to politics, government, and society.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students who complete an AA/AAT in Political Science will demonstrate an understanding of American and international political institutions

Required Core: Select 9 units		*9.0*
POLS C1000	American Government and Politics	3.0
	–or–	
POLS C1000H	American Government and Politics-Honors	3.0
POLT 200	American Political Thought	3.0
	–or–	
POLT 200H	Honors American Political Thought	3.0
POLT 201	Introduction to Comparative Politics	3.0
POLT 220	International Politics	3.0
List A (select 2): 6-7.5 Units. (Any course not selected from Core and a below course. Or, two below courses.)		*6.0-7.5*
POLT 235	Identity Politics	3.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics-Honors	4.0
	–or–	
STAT C1000E	Introduction to Statistics	4.5
	–or–	
PSYC 210	Statistics for the Behavioral Sciences	4.0
List B (select one) 3 Units (Any course not selected from above or select a below course.)		*3.0*
ECON C2002	Principles of Macroeconomics	3.0
	–or–	
ECON C2001	Principles of Microeconomics	3.0
		Total: 18.0-19.5

Political Science: A.A. Degree

Program Code: SAC.POLT.AA

Program Control Number: 04259

The associate degree curriculum in political science prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree. The baccalaureate degree prepares students for law school, teaching, public relations, journalism, government service on the local, state and national levels, and private employment where government institutions are involved.

Learning Outcome(s):

1. Students who complete an A.A./A.A.T. in Political Science will demonstrate an understanding of American and international political institutions.

Required Courses		*3.0*
POLS C1000	American Government and Politics	3.0
POLS C1000H	American Government and Politics-Honors	3.0
9 units from 3 courses below.		*9.0*
POLT 201	Introduction to Comparative Politics	3.0
POLT 220	International Politics	3.0
POLT 235	Identity Politics	3.0
POLT 200	American Political Thought	3.0
	–or–	
POLT 200H	Honors American Political Thought	3.0
4 units from courses below.		*4.0*
ENGL C1000	Academic Reading and Writing	4.0
	–or–	
ENGL C1000H	Academic Reading and Writing-Honors	4.0
Elective 9 units. Select electives from the following list.		*9.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
CMPR 100	The Computer and Society	3.0
ECON C2002	Principles of Macroeconomics	3.0
HIST 101	World Civilizations to the 16th Century	3.0
	–or–	
HIST 101H	Honors World Civilizations to the 16th Century	3.0
HIST 102	World Civilizations Since the 16th Century	3.0
	–or–	
HIST 102H	Honors World Civilizations Since the 16th Century	3.0
HIST C1001	United States History to 1877	3.0
	–or–	
HIST C1001H	United States History to 1877 - Honors	3.0
HIST 150	Latin American Civilization to Independence	3.0
HIST 151	Modern Latin American Civilization	3.0
HIST 153	History of Mexico	3.0
IDS 117H	Honors Introduction to Global Studies	3.0
PHIL 106	Introduction to Philosophy	3.0
	–or–	
PHIL 106H	Honors Introduction to Philosophy	3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
SOC 100	Introduction to Sociology	3.0
	–or–	
SOC 100H	Honors Introduction to Sociology	3.0
CMST 140	Argumentation and Debate	3.0
		Total: 25.0

PSYCHOLOGY

Psychology: A.A.-T Degree for Transfer

Program Code: SAC.PSYC.AAT

Program Control Number: 30670

The Associate in Arts in Psychology for Transfer (AA-T) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in psychology. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T degree also provides guaranteed admission to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the AA-T in Psychology, students will have a general understanding of main psychological theories as they pertain to development, personality, psychological disorders, learning, memory, and social dynamics as well as an understanding of the physiological basis of human behavior. This knowledge base will be grounded in the understanding of basic research methodology. Additionally, students will have the capacity to write and think in a critically analytical way about issues pertaining to human behavior and mental processes. Completion of the AA-T is appropriate for students whose career plans include helping people, i.e., teaching, social welfare, probation, criminology, nursing, law, or personnel work.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Demonstrate familiarity with the major concepts, theoretical perspectives, research methods, core empirical findings, career pathways, and historic trends in psychology.
2. Understand the impact of diversity on psychological research, theory and application, including (but not limited to): age, race, ethnicity, culture, gender, socio-economic status, disability, and sexual orientation.
3. Have an understanding of the relationship between biology and psychological processes as it relates to typical, atypical, and psychopathological behavior and mental processes.
4. Be able to think critically and objectively, problem-solve, and employ the scientific method of inquiry to address psychological questions.
5. Be able to conduct academic research, understand the logic of statistical methods, and determine the validity and relevance of the research literature.
6. Be able to conduct descriptive and inferential statistics on data sets, understand the logic of hypothesis testing and apply this logic to the evaluation and interpretation of research data and findings.
7. Have an understanding of the logic of hypothesis testing and apply this logic to the evaluation and interpretation of research data and findings
8. Be able adequately distinguishing between primary and secondary sources and communicate in writing using the standards and conventions of the American Psychological Association.

Core Courses (10 Units)		*10.0*
PSYC 210	Statistics for the Behavioral Sciences	4.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
PSYC 219	Introduction to Research Methods in Psychology	3.0
List A - select one course (3-4 units)		*4.0*
PSYC 201	Introduction to Biological Psychology	4.0
List B - select one course below (3-4 units) or any course not selected from List A		*3.0*
PSYC 157	Introduction to Child Psychology	3.0
SOC 240	Introduction to Social Psychology	3.0
	–or–	
PSYC 240	Introduction to Social Psychology	3.0
List C - select one course below (3-5 units) or any course not selected from List A or List B		*3.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
ANTH 101	Introduction to Physical Anthropology	3.0
ANTH 104	Language and Culture	3.0
ANTH 104H	Honors Language and Culture	3.0
BIOL 177	Human Genetics	3.0
CDEV C1000	Child Growth and Development	3.0
ENGL 104	Language and Culture	3.0
ENGL 104H	Honors Language and Culture	3.0
PSYC 140	Introduction to Psychology of Adulthood and Aging	3.0
PSYC 160	Introduction to Lifespan Psychology	3.0
PSYC 170	Multicultural Psychology	3.0
PSYC 230	Psychology of Adjustment	3.0
PSYC 250	Introduction to Abnormal Psychology	3.0
PSYC 260	Psychopharmacology	3.0
PSYC 270	Introduction to Cognitive Science	3.0
SOC 100	Introduction to Sociology	3.0
SOC 100H	Honors Introduction to Sociology	3.0
		Total: 20.0

Psychology: A.A. Degree

Program Code: SAC.PSYC.AA

Program Control Number: 04247

The associate degree in psychology prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree for specialization in any of more than twenty branches of psychology including child, clinical, personal, vocational and marriage counseling, industrial, mental health, and college teaching. Completion of the two-year program is appropriate for students whose career plans include helping people, e.g., teaching, social welfare, probation, criminology, nursing, law, or personnel work. Consult a counselor for information about course requirements for specific universities.

Learning Outcome(s):

1. Demonstrate familiarity with the major concepts, theoretical perspectives, research methods, core empirical findings, career pathways, and historic trends in psychology.
2. Understand the impact of diversity on psychological research, theory and application, including (but not limited to): age, race, ethnicity, culture, gender, socio-economic status, disability, and sexual orientation.
3. Have an understanding of the relationship between biology and psychological processes as it relates to typical, atypical, and psychopathological behavior and mental processes.
4. Be able to think critically and objectively, problem-solve, and employ the scientific method of inquiry to address psychological questions.
5. Be able to conduct academic research, understand the logic of statistical methods, and determine the validity and relevance of the research literature.
6. Be able to conduct descriptive and inferential statistics on data sets, understand the logic of hypothesis testing and apply this logic to the evaluation and interpretation of research data and findings.
7. Have an understanding of the logic of hypothesis testing and apply this logic to the evaluation and interpretation of research data and findings.
8. Be able adequately distinguishing between primary and secondary sources and communicate in writing using the standards and conventions of the American Psychological Association.

Course		*10.0*
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
PSYC 210	Statistics for the Behavioral Sciences	4.0
	–or–	
STAT C1000	Statistics and Probability	4.0
	–or–	
STAT C1000H	Honors Statistics and Probability	4.0
PSYC 219	Introduction to Research Methods in Psychology	3.0
Two courses from the following psychology electives:		*6.0*
PSYC 140	Introduction to Psychology of Adulthood and Aging	3.0
PSYC 157	Introduction to Child Psychology	3.0
PSYC 170	Multicultural Psychology	3.0
PSYC 180	Introduction to Lifespan Psychology	3.0
PSYC 200	Introduction to Biological Psychology	3.0
PSYC 230	Psychology of Adjustment	3.0
PSYC 240	Introduction to Social Psychology	3.0
PSYC 250	Introduction to Abnormal Psychology	3.0

One additional elective from the psychology courses above or from the following:		*3.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
ANTH 101	Introduction to Physical Anthropology	3.0
BIOL 109	Fundamentals of Biology	3.0
	–or–	
BIOL 109H	Honors Fundamentals of Biology	3.0
BIOL 149	Human Anatomy and Physiology	4.0
CHEM 109	Chemistry in the Community	4.0
CHEM 119	Fundamentals - General and Organic	5.0
CMPR 100	The Computer and Society	3.0
IDS 155	Human Sexuality	3.0
KNPR 125	Sport Psychology	3.0
PHIL 110	Critical Thinking	4.0
	–or–	
PHIL 110H	Honors Critical Thinking	4.0
PHIL 111	Introductory Logic	4.0
SOC 100	Introduction to Sociology	3.0
	–or–	
SOC 100H	Honors Introduction to Sociology	3.0

Total: 19.0

SCIENCE

Science Degree - Astronomy Emphasis: A.S. Degree

Program Code: SAC.SCI.AS

Program Control Number: 04264

The associate degree in science is designed to provide students with a foundation in science that will allow transfer to a four-year college or university to complete a baccalaureate science degree in disciplines such as astronomy, biology, biochemistry, chemistry, geology, geophysics, meteorology, oceanography, or physics.

For transfer with upper division standing, most four-year institutions require a minimum of one year of calculus and one year of general chemistry in addition to the courses required in the science major. Check with the Santiago Canyon College/Santa Ana College Transfer Center or counselor for specific transfer requirements.

Units used to satisfy the Santiago Canyon College/Santa Ana College general education requirements may also be used to satisfy the Science Degree requirements.

Learning Outcome(s):

1. Students will understand the influence that the acquisition of scientific knowledge has on the development of the world's civilizations.

Required Core Courses		*9.0*
MATH C2210	Calculus I Early Transcendentals	4.0
	–or–	
MATH 180H	Honors Single Variable Calculus I	4.0
CHEM 219	General Chemistry [B]	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
Required Courses - Astronomy Emphasis		*11.0*
ASTR 109	Introduction to the Solar System	3.0
ASTR 110	Introduction to Stars and Galaxies	3.0
	–or–	
ASTR 110H	Honors Introduction to Stars and Galaxies	3.0
ASTR 140	Astronomy Laboratory	1.0
MATH C2220	Calculus II Early Transcendentals	4.0
Electives		*6.0*

A - Electives for any emphasis of the Science Degree must be selected from the following courses: Any course numbered 100 or higher in Astronomy, Biology, Chemistry, Earth Science, Environmental Studies, Geology, Physical Science or Physics and Mathematics 185, 280. C. Completion of Physics 217/227/237 and / or Mathematics 280 highly recommended.

Total: 26.0

Science Degree - General Science Emphasis: A.S. Degree

Program Code: SAC.SCI.AS

Program Control Number: 04264

The associate degree in science is designed to provide students with a foundation in science that will allow transfer to a four-year college or university to complete a baccalaureate science degree in disciplines such as astronomy, biology, biochemistry, chemistry, geology, geophysics, meteorology, oceanography, or physics.

For transfer with upper division standing, most four-year institutions require a minimum of one year of calculus and one year of general chemistry in addition to the courses required in the science major. Check with the Santiago Canyon College/Santa Ana College Transfer Center or counselor for specific transfer requirements.

Units used to satisfy the Santiago Canyon College/Santa Ana College general education requirements may also be used to satisfy the Science Degree requirements.

Requirements for the associate in science degree:

Learning Outcome(s):

1. Students will understand the influence that the acquisition of scientific knowledge has on the development of the world's civilizations.

Courses:		*9.0*
MATH C2210	Calculus I Early Transcendentals	4.0
	–or–	
MATH 180H	Honors Single Variable Calculus I	4.0
CHEM 219	General Chemistry	5.0
	–or–	
CHEM 219H	Honors General Chemistry	5.0
Courses:		*13.0*
Science Core Required Courses: 9 units		
MATH C2220	Calculus II Early Transcendentals	4.0
Electives:		

Electives for any emphasis of the Science Degree must be selected from the following courses: Any course numbered 100 or higher in Astronomy, Biology, Chemistry, Earth Science, Environmental Studies, Geology, Physical Science or Physics and MATH C2220, 280.

Total: 22.0

SOCIOLOGY

Sociology: A.A.-T Degree for Transfer
Program Code: SAC.SOC.AAT
Program Control Number: 30640

The Associate in Arts in Sociology for Transfer (A.A.-T) prepares students to move into a curriculum at a four-year institution, leading to a baccalaureate degree in sociology. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T degree also provides guaranteed admission to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of this degree, students will accurately apply key sociological concepts when assessing their own and other societies, and distinguish between personal/group opinions and scientific conclusions when analyzing and evaluating social issues. Students will be able to clearly communicate historical, social and cultural awareness in oral and written assignments, including an awareness of the variety and relative severity of social issues impacting people differently due to their particular place within the social structure.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Students will identify, contrast and apply the methods and theoretical perspectives in sociology utilized to explain social interaction and social structure, including the analysis of social problems.

Required Core Courses		*6.0*
SOC 100	Introduction to Sociology	3.0
	–or–	
SOC 100H	Honors Introduction to Sociology	3.0
SOC 140	Social Problems	3.0
	–or–	
SOC 140H	Honors Social Problems	3.0
Select one course:		*4.0-4.5*
STAT C1000	Introduction to Statistics	4.0
STAT C1000H	Introduction to Statistics-Honors	4.0
STAT C1000E	Introduction to Statistics	4.5
PSYC 210	Statistics for the Behavioral Sciences	4.0
List A - select two courses from the list below (6 units)		*6.0*
PSYC 219	Introduction to Research Methods in Psychology	3.0
SOC 112	Relationships, Marriages, and Family Dynamics	3.0
SOC 240	Introduction to Social Psychology	3.0
	–or–	
PSYC 240	Introduction to Social Psychology	3.0
List B - select one course from below or from any List A courses not already used		*3.0-4.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
ASIA 150	Introduction to Asian American Studies	3.0
BIOL 200	Human Ecology	3.0
BLST 150	Introduction to African/Black American Studies	3.0
CHST 150	Introduction to Chicana/Chicano Studies	3.0
CDEV C1000	Child Growth and Development	3.0
CNSL 150	Introduction to Human Services	3.0
CJ 101	Introduction to Criminal Justice	3.0
CJ 101H	Honors Introduction to Criminal Justice	3.0
JAMS 105	Mass Media and Society	3.0
ECON C2002	Principles of Macroeconomics	3.0
ECON C2001	Principles of Microeconomics	3.0
ENVR 200	Human Ecology	3.0
ETHN 150	Introduction to Ethnic Studies	3.0
ETHN 150H	Honors Introduction to Ethnic Studies	3.0
GEOG 100	World Regional Geography	3.0
GEOG 100H	Honors World Regional Geography	3.0
HIST 118	Social and Cultural History of the United States	3.0
HIST C1001	United States History to 1877	3.0
HIST C1001H	United States History to 1877 - Honors	3.0
HIST C1002	United States History since 1865	3.0
HIST C1002H	United States History since 1865 - Honors	3.0
HIST 123	African American History to 1865	3.0
HIST 124	Mexican American History in the United States	3.0
HIST 124H	Honors Mexican American History in the United States	3.0
HIST 127	Women in U.S. History	3.0
HIST 146	African American History from 1863 to the Present	3.0
POLS C1000	American Government and Politics	3.0
POLS C1000H	American Government and Politics-Honors	3.0
PSYC C1000	Introduction to Psychology	3.0
PSYC C1000H	Introduction to Psychology-Honors	3.0
PSYC 157	Introduction to Child Psychology	3.0
WMNS 101	Introduction to Women’s Studies	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
ENGL C1001	Critical Thinking and Writing	4.0
ENGL C1001H	Critical Thinking and Writing-Honors	4.0
GEOG 102	Cultural Geography	3.0
PHIL 110	Critical Thinking	4.0
PHIL 110H	Honors Critical Thinking	4.0
		Total: 19.0-20.5

Sociology: A.A. Degree

Program Code: SAC.SOC.AA

Program Control Number: 04260

The associate degree curriculum in sociology is an interdisciplinary social science program providing students an understanding of interpersonal behavior and social structure, a critical appreciation of contemporary social life, and a frame of reference for an analysis of human behavior. Completion of the associate in arts degree prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree.

Learning Outcome(s):

1. Students will be able to identify, contrast and apply the methods and theoretical perspectives in sociology utilized to explain social interaction and social structure, including the analysis of social problems.

Course		*12.0*
ANTH 100	Introduction to Cultural Anthropology	3.0
	–or–	
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
SOC 100	Introduction to Sociology	3.0
	–or–	
SOC 100H	Honors Introduction to Sociology	3.0
SOC 140	Social Problems	3.0
	–or–	
SOC 140H	Honors Social Problems	3.0
Selected Electives: Select two course from the following		*6.0-9.0*
ANTH 101	Introduction to Physical Anthropology	3.0
ANTH 104	Language and Culture	3.0
	–or–	
ANTH 104H	Honors Language and Culture	3.0
	–or–	
ENGL 104	Language and Culture	3.0
	–or–	
ENGL 104H	Honors Language and Culture	3.0
ANTH 105	Ancient Mesoamerican Civilization	3.0
	–or–	
HIST 105	Ancient Mesoamerican Civilization (same ANTH 105)	3.0
ANTH 125	Native Americans in the U.S.	3.0
STAT C1000	Introduction to Statistics	4.0
	–or–	
STAT C1000H	Introduction to Statistics-Honors	4.0
PSYC 140	Introduction to Psychology of Adulthood and Aging	3.0
PSYC 157	Introduction to Child Psychology	3.0
PSYC 240	Introduction to Social Psychology	3.0
SOC 112	Relationships, Marriages, and Family Dynamics	3.0
		Total: 18.0-21.0

Sexuality, Gender, and LGBTQ+ Studies: Certificate of Achievement

Program Code: SAC.SOS.CA

Program Control Number: 45907

The LGBTQ+ Studies Certificate program offers an interdisciplinary exploration of LGBTQ+ identities, histories, and experiences. Through a diverse range of courses, students will critically examine the social, cultural, and political challenges faced by LGBTQ+ communities, while gaining skills in communication, analysis, and advocacy. The program emphasizes the intersectionality of gender, sexuality, and race, providing a comprehensive understanding of how these factors shape individual and collective experiences. This certificate equips students with the knowledge and tools needed to promote inclusivity and equity in a variety of professional and community settings.

Learning Outcome(s):

1. Students will develop a foundational understanding of LGBTQ+ identities, histories, and experiences, with particular emphasis on intersections with race, gender, and class, through sociological, historical, and interdisciplinary lenses.
2. Students will critically evaluate how LGBTQ+ individuals and issues are portrayed in media, considering the impact of race, gender, and other social factors on representation, as well as the role of media in shaping public perception and discourse.
3. Students will analyze the dynamics of LGBTQ+ experiences within family structures and community contexts, with a focus on child development and the support systems that foster inclusivity and well-being in diverse environments.
4. Students will demonstrate effective communication strategies that acknowledge and bridge gender differences, with particular attention to how gender and sexuality influence communication patterns in various social, personal, and professional settings.
5. Students will explore significant historical events, movements, and figures that have shaped the struggle for LGBTQ+ rights in America, while critically engaging with how these historical developments inform contemporary advocacy and social justice efforts.

Core Certificate Courses		*15.0*
HIST 129	LGBTQ+ History in the U.S.	3.0
SOC 286	Introduction to LGBTQ+ Studies	3.0
IDS 155	Human Sexuality	3.0
JAMS 111	Media, Race and Gender	3.0
Gender Communication		*3.0*
CMST 206	Gender Communication	3.0
CMST 206H	Honors Gender Communication	3.0
		Total: 15.0

SPANISH

Spanish: A.A.-T Degree for Transfer

Program Code: SAC.SPAN.AAT

Program Control Number: 32533

The Associate in Arts in Spanish for Transfer (A.A.-T in Spanish) prepares students to move into the CSU system leading to a baccalaureate degree in Spanish. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T in Spanish degree also provides guaranteed admission with junior status to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the Associate in Arts in Spanish for Transfer (A.A.-T in Spanish), students will have demonstrated success in introductory courses in Spanish including speaking, listening, writing, and reading. This knowledge will be evidenced by a wider understanding of basic historical and cultural aspects of Spanish speaking countries. In addition, students will have the capacity to write and think in a critically analytical way about issues pertaining to the diverse manifestation of the Spanish language throughout the world.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. In addition to transfer preparation, upon completion of this major students will be able to: Utilize the language for basic and advanced communication. Integrate grammatical structures in academic Spanish reading and writing. Understand the historical and cultural context of language development. Demonstrate knowledge of general social and economic factors affecting language development. Demonstrate familiarity with major contemporary dialectical diversity. Interpret literary historical periods and develop skills in literary analysis.

Required Courses:		*20.0*
SPAN 101	Elementary Spanish I	5.0
	–or–	
SPAN 101H	Honors Elementary Spanish I	5.0
SPAN 102	Elementary Spanish II	5.0
	–or–	
SPAN 102H	Honors Elementary Spanish II	5.0
SPAN 201	Intermediate Spanish I	5.0
	–or–	
SPAN 201H	Honors Intermediate Spanish I	5.0
SPAN 202	Intermediate Spanish II	5.0
	–or–	
SPAN 202H	Honors Intermediate Spanish II	5.0

NOTE: Students who come to SAC with credit for Spanish 101 and 102 (or 2 and 3 years of high school Spanish respectively) must take the equivalent of 10 units from the following list of possible substitution courses, including another language at the 101 or 102 level.

Substitution Courses:		
ANTH 100	Introduction to Cultural Anthropology	3.0
ANTH 100H	Honors Introduction to Cultural Anthropology	3.0
ANTH 104	Language and Culture	3.0
ANTH 104H	Honors Language and Culture	3.0
CMST 103	Introduction to Intercultural Communication	3.0
CMST 103H	Honors Introduction to Intercultural Communication	3.0
ENGL 104	Language and Culture	3.0
ENGL 104H	Honors Language and Culture	3.0
ETHN 101	Introduction to Ethnic Studies	3.0
ETHN 101H	Honors Introduction to Ethnic Studies	3.0
GEOG 100	World Regional Geography	3.0
GEOG 100H	Honors World Regional Geography	3.0
HIST 150	Latin American Civilization to Independence	3.0
HIST 151	Modern Latin American Civilization	3.0
HIST 153	History of Mexico	3.0
SOC 100	Introduction to Sociology	3.0
SOC 100H	Honors Introduction to Sociology	3.0
SOC 140	Social Problems	3.0
SOC 140H	Honors Social Problems	3.0
WMNS 101	Introduction to Women’s Studies	3.0
List A: Select one		*3.0-4.0*
ANTH 105	Ancient Mesoamerican Civilization	3.0
COMM C1004	Interpersonal Communication	3.0
COMM C1004H	Interpersonal Communication - Honors	3.0
ENGL C1003	Critical Thinking and Writing through Literature	4.0
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4.0
ENGL C1001	Critical Thinking and Writing	4.0
ENGL C1001H	Critical Thinking and Writing-Honors	4.0
HIST 105	Ancient Mesoamerican Civilization	3.0
HIST 124	Mexican American History in the United States	3.0
HIST 124H	Honors Mexican American History in the United States	3.0
PHIL 110	Critical Thinking	4.0
PHIL 110H	Honors Critical Thinking	4.0
SPAN 195A	Advanced Conversational Spanish	3.0
SPAN 195B	Advanced Conversational Spanish	3.0
SPAN 213	College Spanish Composition	3.0
		Total: 23.0-24.0

SPEECH-LANGUAGE PATHOLOGY ASSISTANT

Speech-Language Pathology Assistant: A.S. Degree

Program Code: SAC.SLPA.AS

Program Control Number: 12242

The Speech-Language Pathology Assistant Program is designed to prepare students for employment assisting speech-language pathologists working with communicatively disordered children and adults. Students will be trained to administer treatment as prescribed by the speech language pathologist, conduct screenings for speech-language and hearing disorders, and to provide general support assistance to the speech language pathologist. The Associate of Science program offers an intensive course of study in the area of speech and language disorders, including supervised treatment and field experience in a variety of settings such as educational, clinical, and/or medical.

Further, there is a high probability that students will be required to complete immunizations, fingerprinting and/or have a drug test and criminal background check (at the student's expense). Problems with fingerprinting and background checks could result in a delay of placement or failure of program completion.

Upon completion of the A.S. Degree program, the graduate is eligible for registration as a Speech-Language Pathology Assistant by the Department of Consumer Affairs, Speech-Language Pathology & Audiology & Hearing Aid Dispensers Board. Prior to obtaining employment, students who have completed all A.S. degree requirements will need to apply for registration to practice in the State of California through the Department of Consumer Affairs, Speech-Language Pathology & Audiology & Hearing Aid Dispensers Board, 1601 Response Road, Suite 260, Sacramento, CA 95815, phone number 916-287-7915. When applying for registration with the California board, applicants will be asked to answer questions regarding prior felony arrests and convictions. In addition, applicants must submit fingerprints for a Department of Justice and Federal Bureau of Investigation background check, to be done at the applicant's expense, and possess a valid social security number. For information about limitations based on criminal history, applicants are advised to call the Board directly anytime prior to the application process. Registration application and complete information on necessary documents can be obtained through the Department of Consumer Affairs, Speech-Language Pathology & Audiology & Hearing Aid Dispensers Board website at www.speechandhearing.ca.gov.

Major requirements for the associate degree:

All A.S. degree requirements must be completed with a grade of C or better at the conclusion of the program.

Learning Outcome(s):

1. Students will be prepared for employment as Speech-Language Pathology Assistants.
2. Students will meet the State of California registration requirements for Speech-Language Pathology Assistant.

Courses		*38.5*
SLPA 118	Introduction to Speech-Language Pathology Assisting	1.0
SLPA 119	Speech-Language and Hearing Development Across the Life Span	3.0
CMST 151	Voice and Diction for Effective Communication	3.0
CDEV C1000	Child Growth and Development	3.0
	–or–	
PSYC 157	Introduction to Child Psychology	3.0
CDEV 108	Observation and Assessment for Early Learning and Development (DS3)	3.0
SLPA 120	Speech-Language Pathology Clinical Management and Procedures	2.0
SLPA 150	Observation of Speech-Language Pathology ClinicalPractices	0.5
SLPA 160	Introduction to Communicative Disorders and Treatment	3.0
SLPA 170	Introduction to Phonetics	3.0
SLPA 180	Speech-Language Pathology Screening Processes and Intervention Procedures	3.0
SLPA 190	Speech-Language Pathology Assistant Clinical Fieldwork I	2.0
SLPA 200	Adult and Geriatric Communication Disorders	3.0
CDEV 205	Introduction to Children with Special Needs	3.0
SLPA 250	Speech-Language Pathology Assistant Clinical Fieldwork II	2.0
ASL 110	American Sign Language I	4.0
General Education Requirements:		*23.0*
Biology		*4.0*
BIOL 109	Fundamentals of Biology	3.0
	–and–	
BIOL 109L	Fundamentals of Biology Laboratory	1.0
	–or–	
		4.0
BIOL 109H	Honors Fundamentals of Biology	3.0
	–and–	
BIOL 109L	Fundamentals of Biology Laboratory	1.0
	–or–	
BIOL 149	Human Anatomy and Physiology	4.0
	–or–	
BIOL 239	General Human Anatomy	4.0
English		*4.0*
ENGL C1000	Academic Reading and Writing	4.0
	–or–	
ENGL C1000H	Academic Reading and Writing-Honors	4.0
Psychology		*3.0*
PSYC C1000	Introduction to Psychology	3.0
	–or–	
PSYC C1000H	Introduction to Psychology-Honors	3.0
Communication		*3.0*
COMM C1004	Interpersonal Communication	3.0
	–or–	
COMM C1004H	Interpersonal Communication - Honors	3.0

Intercultural Communication		*4.0*
CMST 103	Introduction to Intercultural Communication	3.0
	–or–	
CMST 103H	Honors Introduction to Intercultural Communication	3.0
PSYC 140	Introduction to Psychology of Adulthood and Aging	3.0
Language & Culture		*3.0*
ANTH 104	Language and Culture	3.0
ANTH 104H	Honors Language and Culture	3.0
ENGL 104	Language and Culture	3.0
ENGL 104H	Honors Language and Culture	3.0
		Total: 61.5

THEATRE ARTS

Theatre Arts: A.A.-T Degree for Transfer

Program Code: SAC.TAPER.AAT

Program Control Number: 31137

The Associate in Arts in Theatre Arts for Transfer (AA-T) prepares students to move into a curriculum at a four-year institution leading to a baccalaureate degree in theatre arts which can lead to careers in teaching, design, technical theatre, theatre management, professional performance, stage direction, stage management, and related areas. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the AA-T degree also provides guaranteed admission to the CSU system, although does not guarantee admission to a specific campus or major. Upon completion of the AA-T in Theatre Arts, students will understand and be able to demonstrate the fundamental performance and technical production processes for Theatre Arts, demonstrate knowledge of the historical and cultural dimensions of theatre, and understand the interaction between script, actor, and audience and the areas of scenery, lighting, sound, and costume.

Requirements for all Associate Degrees for Transfer:

1. Completion of 60 semester CSU transferable units.
2. Completion of the California General Education Transfer Curriculum (Cal-GETC). The CSU GE (California State University General Education Breadth) or IGETC (Intersegmental General Education Transfer Curriculum) pattern may be used in some cases; please see a counselor for details.
3. Obtainment of a minimum grade point average of at least a 2.0 in all CSU transferable coursework.
4. Minimum grade of “C” (or “P”) for each course in the major. If the course was taken on a Pass/No Pass basis the “P” must be equal to a “C” or better.
5. Completion of a minimum of 18 semester units in the major or area of emphasis.

Learning Outcome(s):

1. Pass the audition or interview process in the areas of performance or technical theatre and be placed at the junior level upon transfer to California State University Fullerton, California State University Long Beach, or other four-year institutions.
2. Participate in the creation and presentation of public performances of theatre to gain an understanding of the processes and collaborative nature of the art form.
3. Develop an understanding of the interaction between script, actor, audience, and the areas of scenery, lighting, sound, and costuming.

Required Core Courses		*6.0*
THEA 100	Introduction to Theatre	3.0
	–or–	
THEA 105	Theatre History 1	3.0
THEA 110	Acting Fundamentals	3.0
Select 3 units from (3)		*3.0*
THEA 150A	Rehearsal and Performance in Production	2.0
THEA 151	Showcase I	3.0
THEA 152	Tour Ensemble	3.0
THEA 154	Performance Ensemble	2.0
THEA 155	Children’s Theatre Ensemble	2.0
THEA 135	Technical Production	2.0
THEA 150B	Technical Theatre in Production	2.0
List A: Select three		*9.0*
THEA 111	Intermediate Acting	3.0
THEA 133	Lighting Fundamentals	3.0
THEA 136	Fundamentals of Costume Design	3.0
	–or–	
FDM 136	Fundamentals of Costume Design	3.0
THEA 132	Stage Makeup	3.0
THEA 131	Stagecraft	3.0
		Total: 18.0

Theatre Arts - Technical Theatre: A.A. Degree

Program Code: SAC.TATEC.AA

Program Control Number: 04221

The Associates in Arts in Technical Theatre degree provides a fundamental exploration of the art of technical theater focusing on the technical elements that support performers and enhance performances. It is designed to prepare the student for a professional career as a stage technician, lighting technician, sound technician, master electrician, scenic carpenter, stage manager, and other related positions. This degree provides a flexible and diverse study plan in comparison to the associate of arts for transfer degree. Please consult a SAC counselor for information about course requirements for four-year institutions.

Learning Outcome(s):

1. Use practical skills required in the professional technical theater arena.
2. Apply the artistic concepts of theatrical design as they relate to specified play scripts.
3. Demonstrate experience in the creation and presentation of public performances of theater using the technologies appropriate for stage performances.

Required Courses		*17.0*
THEA 131	Stagecraft	3.0
THEA 105	Theatre History 1	3.0
THEA 110	Acting Fundamentals	3.0
THEA 109	Stage Management	3.0
Design		*3.0*
THEA 133	Lighting Fundamentals	3.0
	–or–	
THEA 117	Introduction to Technical Theatre	3.0
	–or–	
THEA 136	Fundamentals of Costume Design	3.0
Production		*2.0*
THEA 135	Technical Production	2.0
	–or–	
THEA 150B	Technical Theatre in Production	2.0
Electives		*5.0-10.0*
THEA 128	Introduction to Sound Design	3.0
THEA 132	Stage Makeup	3.0
THEA 151	Showcase I	3.0
THEA 169	Work Experience - Theatre	1.0-4.0
or choose two (2) from the above required courses in either Design or Production		**Total: 22.0-27.0**

Theatre Arts - Theatre Performance: A.A. Degree
Program Code: SAC.TAPER.AA
Program Control Number: 04220

The Associates in Arts in Theatre Performance degree provides a fundamental exploration of the art of theater focusing on performance styles and acting techniques. It is designed to prepare the student for a performance career in stage, digital television, and film, as well as other occupations where voice training, dynamic presentations, and adaptability are important. This degree provides a flexible and diverse study plan in comparison to the associate in arts for transfer degree. Please consult a SAC counselor for information about course requirements for four year institutions.

Learning Outcome(s):

1. Demonstrate experience in performing characters in live stage productions.
2. Define the interaction between script, actor, and audience and the areas of scenic, lighting, sound, and costume design.
3. Analyze the historical and cultural dimensions of theater including the works of playwrights, actors, directors, and designers.

Required Courses		*14.0-15.0*
THEA 123	Introduction to Drama and Acting	3.0
	–or–	
THEA 105	Theatre History 1	3.0
	–or–	
THEA 120	Musical Theatre History	3.0
THEA 110	Acting Fundamentals	3.0
THEA 131	Stagecraft	3.0
THEA 132	Stage Makeup	3.0
THEA 150A	Rehearsal and Performance in Production	2.0
	–or–	
THEA 151	Showcase I	3.0
	–or–	
THEA 152	Tour Ensemble	3.0
Electives		*9.0-13*
THEA 111	Intermediate Acting	3.0
THEA 113	Acting for the Camera	3.0
THEA 114	Acting for the Camera II	3.0
THEA 118	Fundamentals of Scene Study	2.0
THEA 153	Introduction to Directing	2.0
THEA 169	Work Experience - Theatre	1.0-4.0
THEA 178	Musical Theatre Techniques	3.0
THEA 177	Principles of Playwriting	3.0
THEA 186	Voice for the Actor	3.0
THEA 190	Improvisation for Stage and Screen	3.0
THEA 255	Motion Picture Performance Production	3.0
		Total: 23.0-28.0

Costume Design and Technology: Certificate of Achievement
Program Code: SAC.TACD.CA
Program Control Number: 42733

This certificate is designed to prepare students for entry level costume careers within the entertainment industry such as television, film, theme parks, theaters, and varied performance venues. Emphasis is placed on developing fundamental costume design skill sets and the processes and procedures utilized in the entertainment industry for costuming performers.

Learning Outcome(s):

1. Demonstrate an understanding of the relationship between costumes, the script, and the actor.
2. Apply costume design principles to characterizations for a specific script.
3. Develop the fundamental skills to visualize, pattern, construct, and fit performers with custom and prefabricated costumes for live and recorded productions.

Required Courses		*9..0*
THEA 136	Fundamentals of Costume Design	3.0
	–or–	
FDM 136	Fundamentals of Costume Design	3.0
THEA 138	Costume Periods and Styles	3.0
THEA 137	Costume Design and Construction	3.0
Electives		*5.0-6.0*
THEA 132	Stage Makeup	3.0
FDM 105A	Beginning Sewing	3.0
FDM 109	Flat Pattern Techniques	3.0
FDM 111A	Fashion Illustration Techniques	
THEA 150B	Technical Theatre in Production	2.0
THEA 135	Technical Production	2.0
		Total: 14.0-15.0

Lighting Design and Technology: Certificate of Achievement
Program Code: SAC.TALDT.CA
Program Control Number: 16538

The Lighting Design and Technology program provides training in emerging technologies for theatre, live events, cinema and broadcast. The program focuses on the study of entertainment industry practices, lighting design conceptions, virtualization, and execution. Students will become proficient in the utilization of technologies commonly used in concerts, dance performances, live theater, theme parks, sports arenas, houses of worship, live events and cinema.

Learning Outcome(s):

1. Demonstrate an understanding of the relationship between the character and the lighting design concept.
2. Apply lighting design principles for live theatre, corporate and outdoor events, broadcast, and cinema.
3. Design a lighting concept, draft a lighting plot, and install and execute a lighting design in a live theatrical environment.

Required Courses		*9.0-12.0*
THEA 131	Stagecraft	3.0
THEA 169	Work Experience - Theatre	1.0-4.0
Lighting Fundamentals		*3.0*
THEA 133	Lighting Fundamentals	3.0
DM 260	Lighting Fundamentals	3.0
Technical Production		*2.0*
THEA 150B	Technical Theatre in Production	2.0
	–or–	
THEA 135	Technical Production	2.0
Electives		*9.0*
THEA 117	Introduction to Technical Theatre	3.0
THEA 130	Introduction to Lighting Design	3.0
THEA 165	Intermediate Stage Lighting	3.0
THEA 166	Fundamentals of Programming	3.0
		Total: 18.0-21.0

Musical Theatre Teaching: Certificate of Achievement
Program Code: SAC.TAMTT.CA
Program Control Number: 42879

The Musical Theatre Teaching certificate program and pathway is designed to prepare the student for performance and pedagogy competency in the field of musical theater.

Learning Outcome(s):

1. Utilize the performance and pedagogical skills required to obtain employment as a musical theater performer and instructor.
2. Employ analytical skills through written and verbal script and score analysis.
3. Assess professional work ethic and give verbal evaluations for musical theater performance.

Required Courses		*26.0*
DNCE 201B	Ballet II	2.0
DNCE 219B	Jazz Dance II	2.0
MUS 111	Music Theory and Musicianship I	4.0
MUS 122	Intermediate Voice	1.0
	–or–	
MUS 123	Advanced Voice	1.0
THEA 111	Intermediate Acting	3.0
THEA 153	Introduction to Directing	2.0
THEA 178	Musical Theatre Techniques	3.0
THEA 179	Musical Theatre Workshop	3.0
EDUC 210	The Teaching Experience: Secondary Education	3.0
CDEV 205	Introduction to Children with Special Needs	3.0
		Total: 26.0

Musical Theatre Teaching - Acting Emphasis: Certificate of Achievement
Program Code: SAC.TAACT.CA
Program Control Number: 41538

The Musical Theatre Teaching certificate program and pathway is designed to prepare the student for performance and pedagogy competency in the field of musical theatre with an emphasis in acting.

Learning Outcome(s):

1. Utilize the performance and pedagogical skills required to obtain employment as a musical theatre performer and instructor.
2. Employ analytical skills through written and verbal script and score analysis.
3. Assess professional work ethic in musical theatre performances and provide verbal feedback of acting techniques.

Required Courses		*10.0*
THEA 180	Intermediate Musical Theatre Techniques	3.0
THEA 181	Intermediate Musical Theatre Workshop	3.0
THEA 186	Voice for the Actor	3.0
Electives		*3.0-4.0*
THEA 118	Fundamentals of Scene Study	2.0
THEA 120	Musical Theatre History	3.0
THEA 150A	Rehearsal and Performance in Production	2.0
THEA 151	Showcase I	3.0
THEA 152	Tour Ensemble	3.0
THEA 155	Children's Theatre Ensemble	2.0
THEA 190	Improvisation for Stage and Screen	3.0
		Total: 12.0-13.0

Musical Theatre Teaching - Dance Emphasis: Certificate of Achievement
Program Code: SAC.TADNC.CA
Program Control Number: 42880

The Musical Theatre Teaching certificate program and pathway is designed to prepare the student for performance and pedagogy competency in the field of musical theatre with an emphasis in musical theatre dance.

Learning Outcome(s):

1. Utilize the performance and pedagogical skills required to obtain employment as a musical theater performer and instructor.
2. Employ analytical skills through written and verbal script and score analysis.
3. Assess professional work ethic in musical theatre performance and provide verbal feedback of dance techniques.

Required Courses		*10.0*
DNCE 213	Ballet III	2.0
	–or–	
DNCE 220	Jazz Dance III	2.0
DNCE 240A	Repertory I	2.0
THEA 180	Intermediate Musical Theatre Techniques	3.0
THEA 181	Intermediate Musical Theatre Workshop	3.0
Electives		*2.0-3.0*
DNCE 204A	Dance Production I	2.0
DNCE 202A	Choreography	3.0
DNCE 250A	Hip-Hop Dance I	2.0
DNCE 206A	Modern Dance I	2.0
THEA 120	Musical Theatre History	3.0
THEA 150A	Rehearsal and Performance in Production	2.0
THEA 151	Showcase I	3.0
THEA 152	Tour Ensemble	3.0
THEA 155	Children's Theatre Ensemble	2.0
		Total: 12.0-13.0

Musical Theatre Teaching - Music Emphasis: Certificate of Achievement
Program Code: SAC.TAMUS.CA
Program Control Number: 41537

The Musical Theatre Teaching certificate program and pathway is designed to prepare the student for performance and pedagogy competency in the field of musical theater with an emphasis in music.

Learning Outcome(s):

1. Utilize the performance and pedagogical skills required to obtain employment as a musical theatre performer and instructor.
2. Employ analytical skills through written and verbal script and score analysis.
3. Assess professional work ethic in musical theatre performance and provide feedback of vocal techniques.

Required Courses		*10.0*
MUS 113A	Basic Musicianship Skills	1.0
MUS 124	Advanced Vocal Production and Repertoire	1.0
MUS 135	Concert Chorale	1.0
	–or–	
MUS 136	Collegiate Choir	1.0
	–or–	
MUS 137	Chamber Choir	1.0
MUS 161	Class Piano I	1.0
THEA 180	Intermediate Musical Theatre Techniques	3.0
THEA 181	Intermediate Musical Theatre Workshop	3.0

Electives		*2.0-4.0*
MUS 112	Music Theory and Musicianship II	4.0
MUS 115A	Applied Music (Private Instruction)	1.5
MUS 162	Class Piano II	1.0
THEA 120	Musical Theatre History	3.0
THEA 150A	Rehearsal and Performance in Production	2.0
THEA 151	Showcase I	3.0
THEA 152	Tour Ensemble	3.0
THEA 155	Children's Theatre Ensemble	2.0
		Total: 12.0-14.0

Performance Emphasis: Certificate of Achievement

Program Code: SAC.TAPE.CA

Program Control Number: 42660

The Performance Emphasis certificate program and pathway is designed to prepare the student to work as an actor in the theatrical and on screen performance field. Students learn the techniques involved in creating a character for performance, auditioning, and improvisation for both stage and screen.

Learning Outcome(s):

1. Demonstrate experience in performing characters in stage and screen productions.
2. Define the interaction between script, actor, and audience.
3. Apply techniques for gaining employment as a performer in the entertainment industry.

Required Courses		*8.0*
THEA 100	Introduction to Theatre	3.0
	–or–	
THEA 123	Introduction to Drama and Acting	3.0
THEA 140A	Theatre Performance	2.0
THEA 151	Showcase I	3.0
Electives		*5.0-6.0*
THEA 110	Acting Fundamentals	3.0
THEA 113	Acting for the Camera	3.0
THEA 150A	Rehearsal and Performance in Production	2.0
THEA 152	Tour Ensemble	3.0
THEA 177	Principles of Playwriting	3.0
THEA 178	Musical Theatre Techniques	3.0
THEA 186	Voice for the Actor	3.0
THEA 255	Motion Picture Performance Production	3.0
		Total: 13.0-14.0

Screen Performance: Certificate of Achievement

Program Code: SAC.TASP.CA

Program Control Number: 38160

The Screen Performance certificate program is designed for those who want to pursue an acting career in film, television, commercials, and digital media. Students hone their performance, auditioning, and improvisation skills and have ample opportunity to perform in front of the camera and learn the practical business skills needed to succeed in the entertainment industry.

Learning Outcome(s):

1. Use the artistic and technical processes involved in on-screen acting to create believable characters.
2. Apply performance techniques in preparing and performing characters for the screen.
3. Demonstrate experience in performing on-screen characters in various styles of television and cinema production.

Required Courses		*14.0*
THEA 111	Intermediate Acting	3.0
THEA 113	Acting for the Camera	3.0
THEA 114	Acting for the Camera II	3.0
THEA 118	Fundamentals of Scene Study	2.0
THEA 255	Motion Picture Performance Production	3.0
Electives		*5.0-6.0*
THEA 153	Introduction to Directing	2.0
DM 112	Introduction to Video Editing and Postproduction	3.0
DM 115A	Single-Camera Production and Editing	3.0
DM 120	Beginning Screenwriting for Digital Media	3.0
DM 140	Cinematography	3.0
		Total: 19.0-20.0

Technical Theatre: Certificate of Achievement

Program Code: SAC.TATEC.CA

Program Control Number: 42661

The technical theatre certificate program and pathway is designed to prepare the student to work as a designer and technician in the technical theatre field. Students learn how to use and operate equipment and programs for design and application in theatrical productions.

Learning Outcome(s):

1. Utilize skills in performing technical duties for live theatre productions.
2. Apply artistic concepts to the development of theatrical designs.
3. Employ acquired skills to gain employment as a technician in the entertainment industry.

Required Courses		*8.0*
THEA 117	Introduction to Technical Theatre	3.0
THEA 100	Introduction to Theatre	3.0
	–or–	
THEA 105	Theatre History 1	3.0
THEA 135	Technical Production	2.0
	–or–	
THEA 150B	Technical Theatre in Production	2.0
Electives		*6.0*
THEA 109	Stage Management	3.0
THEA 128	Introduction to Sound Design	3.0
THEA 131	Stagecraft	3.0
THEA 132	Stage Makeup	3.0
THEA 133	Lighting Fundamentals	3.0
THEA 136	Fundamentals of Costume Design	3.0
		Total: 14.0

WELDING

Welding Technology: A.S. Degree

Program Code: SAC.WELD.AS

Program Control Number: 04214

In addition to the general education requirements, the associate degree and certificate curriculum in welding technology is designed to provide comprehensive occupational training in all common types of welding methods relating to the needs of today's welding fabrication industry. The program provides students with the practical skills and technical knowledge required to operate Oxy-Fuel cutting equipment, Shielded Metal Arc Welding (SMAW), Flux Core Arc Welding (FCAW), Gas Tungsten Arc Welding (GTAW), and Gas Metal Arc Welding (GMAW). In addition, students will be prepared for certification as required by employment in the welding industry. Employment opportunities available are Welder, Welder Technician, Inspector, Maintenance Welder, Pipe Welder, and Shipbuilder. The Santa Ana College Welding Program is a Los Angeles Certified Testing Lab Facility. The program offers training and testing for the following certifications: SMAW, FCAW, GTAW, and GMAW.

Learning Outcome(s):

1. Demonstrate advanced knowledge in welding processes that apply to the welding industry.
2. Apply welding theory to ensure proper application of welding practices.
3. Identify welding blueprints and symbols.

Required Courses		*23.0*
WELD 101	Introduction to Welding	3.0
WELD 125	Intermediate Electric Arc Welding	3.0
WELD 132	Introduction to Gas Tungsten Arc Welding	3.0
WELD 153	Math/Blueprint Reading for Welders	3.0
WELD 181	Pipe Welding Fundamentals	3.0
WELD 225	Advanced Electric Arc Welding	3.0
WELD 240	Structural Welding SMAW	3.0
WELD 244	Welding Certification D1.1 Code Clinic	2.0
Additional Required Course (Choose One)		*3.0*
WELD 177	Welding Metallurgy	3.0
	–or–	
MNFG 128	Basic Metals Technology	3.0
Elective Course (Choose One)		*3.0*
WELD 182	Intermediate Pipe Welding	3.0
	–or–	
WELD 232	Advanced Gas Tungsten Arc Welding	3.0
	–or–	
WELD 242	Structural Welding FCAW	3.0
		Total: 29.0

Alternative Welding Processes: Certificate of Achievement

Program Code: SAC.WELAW.CA

Program Control Number: 33958

The certificate curriculum in welding technology is designed to provide advanced occupational training in automated robotic welding and laser welding. The program provides students with training in safety, set up, programming and operation in robotic and laser systems. These classes are designed to meet both current and future needs in the alternative welding process industry. The certificate program trains students in the fundamentals of robot programming and language. Laser welding includes the development and documentation of procedures and qualification of welds, and the calibration of equipment for welding.

Learning Outcome(s):

1. Apply proper industry safety standards to robotic and laser welders.
2. Create procedures and program robotic pendant
3. Demonstrate how to set up and program laser welding equipment.

Program Requirements		*11.0*
WELD 101	Introduction to Welding	3.0
WELD 125	Intermediate Electric Arc Welding	3.0
MNFG 120	Introduction to Medical Device Quality	2.0
WELD 256	Alternative Welding Processes	3.0
		Total: 11.0

Gas Tungsten Arc Welding: Certificate of Achievement

Program Code: SAC.WELGT.CA

Program Control Number: 42840

The certificate curriculum in welding technology is designed to provide occupational training in GAS Tungsten Arc Welding (GTAW). These classes are designed to meet both current and future needs in the GTAW industry. The program provides students with the practical skills and technical knowledge required to operate GTAW equipment. Students will be prepared for certification as required by employment in the GTAW industry. Employment opportunities available are Pipe Welder, Boilermaker, Fabricator, Aerospace Welder, Inspector, and Shipbuilder. The Santa Ana College welding program is a Los Angeles Certified Testing Lab Facility. The program offers training and testing for the GTAW process.

Learning Outcome(s):

1. Recognize electrodes, filler metals, and gases used in GTAW.
2. Demonstrate sound welds in the various positions using various gauge thicknesses.
3. Construct welds on carbon steel, stainless steel and Aluminum alloys.

Required Classes		*12.0*
WELD 101	Introduction to Welding	3.0
WELD 132	Introduction to Gas Tungsten Arc Welding	3.0
WELD 153	Math/Blueprint Reading for Welders	3.0
WELD 232	Advanced Gas Tungsten Arc Welding	3.0
		Total: 12.0

Welding Technology Certificate: Certificate of Achievement
Program Code: SAC.WELD.CA
Program Control Number: 19448

The certificate curriculum in welding technology is designed to provide comprehensive occupational training in all common types of welding methods relating to the needs of today's welding fabrication industry. The program provides students with the practical skills and technical knowledge required to operate Oxy-Fuel cutting equipment, Shielded Metal Arc Welding (SMAW), Flux Core Arc Welding (FCAW), Gas Tungsten Arc Welding (GTAW), and Gas Metal Arc Welding (GMAW). In addition, students will be prepared for certification as required by employment in the welding industry. Employment opportunities available are Welder, Welder Technician, Inspector, Maintenance Welder, Pipe Welder, and Shipbuilder. The Santa Ana College Welding Program is a Los Angeles Certified Testing Lab Facility. The program offers training and testing for the following certifications: SMAW, FCAW, GTAW, and GMAW.

Learning Outcome(s):

1. Demonstrate knowledge in welding processes that apply to the welding industry.
2. Apply welding theory to ensure proper welding practices.
3. Demonstrate weldments in out of position welds.

Course		*20.0*
WELD 101	Introduction to Welding	3.0
WELD 125	Intermediate Electric Arc Welding	3.0
WELD 225	Advanced Electric Arc Welding	3.0
WELD 153	Math/Blueprint Reading for Welders	3.0
WELD 240	Structural Welding SMAW/FCAW	3.0
WELD 181	Pipe Welding Fundamentals	3.0
WELD 244	Welding Certification D1.1 Code Clinic	2.0
		Total: 20.0

Welding Technology - Pipe Welding: Certificate of Achievement
Program Code: SAC.WELAP.CA
Program Control Number: 41683

The certificate curriculum in welding technology is designed to provide occupational training in pipe welding. These classes are designed to meet both current and future needs in the pipe welding industry. The program provides students with the practical skills and technical knowledge required to operate Oxy-Fuel cutting equipment, Shielded Metal Arc Welding (SMAW), and semi-automatic welding processes.

Students will be prepared for certification as required by employment in the pipe welding industry. Employment opportunities available are Pipe Welder, Boilermaker, Inspector, and Shipbuilder. The Santa Ana College welding program is a Los Angeles Certified Testing Lab Facility. The program offers training and testing for the following certifications: SMAW, FCAW, GTAW, GMAW for Pipe.

Learning Outcome(s):

1. Recognize electrodes used in pipe welding.
2. Demonstrate sound welds in the various positions of pipe welding.
3. Construct a complete open root pipe weldment in the 6G position.

Course		*12.0*
WELD 101	Introduction to Welding	3.0
WELD 181	Pipe Welding Fundamentals	3.0
WELD 182	Intermediate Pipe Welding	3.0
WELD 282	Advanced Pipe Welding	3.0
		Total: 12.0

Welding Technology - Structural Steel: Certificate of Achievement
Program Code: SAC.WELSS.CA
Program Control Number: 32538

The certificate curriculum in welding technology is designed to provide comprehensive occupational training in structural steel certification, relating to the needs of today's welding fabrication and construction industry. The program provides students with the practical skills and technical knowledge required to operate Oxy-Fuel cutting equipment, Shielded Metal Arc Welding (SMAW), Flux Core Arc Welding (FCAW), Gas Tungsten Arc Welding (GTAW), and Gas Metal Arc Welding (GMAW). In addition, students will be prepared for certification as required by employment in the welding industry. Employment opportunities available are Welder, Welder Technician, Inspector, Maintenance Welder, Pipe Welder, and Shipbuilder. The Santa Ana College Welding Program is a Los Angeles Certified Testing Lab Facility. The program offers training and testing for the following certifications: SMAW, FCAW, GTAW, and GMAW.

Learning Outcome(s):

1. Create structural fillet and groove welds.
2. Identify common electrodes used in electric arc welding.
3. Demonstrate correct machine setup for the major processes used in electric arc welding.

Required Courses		*12.0*
WELD 101	Introduction to Welding	3.0
WELD 125	Intermediate Electric Arc Welding	3.0
WELD 225	Advanced Electric Arc Welding	3.0
WELD 240	Structural Welding SMAW/FCAW	3.0
		Total: 12.0

WOMEN'S STUDIES

Women's Studies: A.A. Degree
Program Code: SAC.WMNS.AA
Program Control Number: 04253

The associate degree curriculum in women's studies is a liberal arts major which is designed to meet the following needs:

To help women develop a perspective pertaining to their own self-interest and relate those views to social and cultural factors such as economic necessity, political participation, historical patterns, and ethics;

1. To develop their self-awareness in relation to others;
2. To develop skills of communication and analysis;
3. To prepare for transfer to four-year colleges and schools of professional training;
4. To enrich women's knowledge of their culture and the rapid developments that are taking place within it.

Learning Outcome(s):

1. Students will be able to utilize a feminist theoretical analysis of social interactions and social structures, explaining the formation, maintenance, and change of socio-cultural identities.

Required Core Courses:		*18.0*
WMNS 101	Introduction to Women's Studies	3.0
WMNS 102	Women in America: Work, Family, Self:	3.0
ENGL 278	Survey of Literature by Women	3.0
KNHE 102	Women's Health Issues	3.0
IDS 155	Human Sexuality	3.0
HIST 127	Women in U.S. History	3.0
Recommended Electives		
CNSL 116	Career/Life Planning and Personal Exploration	3.0
HIST 181	Survey of Chicana/Latina Women's History	3.0
PHIL 108	Ethics	3.0
PSYC 140	Introduction to Psychology of Adulthood and Aging	3.0
SOC 112	Relationships, Marriages, and Family Dynamics	3.0
		Total: 18.0

ANNOUNCEMENT OF COURSES

Each course is designated by a number. A descriptive title and the units allowed for the course follow the course number. Courses numbered 100 and above are university parallel courses and are offered for transfer to colleges and universities. Courses numbered 100 and above followed by the letter "H" are university parallel courses offered as part of the Santa Ana College Honors Program. Students enrolling in these courses must meet the designated prerequisites.
All courses numbered 100 or above will transfer to California State University campuses. These courses are identified by CSU at the end of the course description.
Courses transferable to University of California campuses are identified by UC at the end of the course description. Some UC-transferable courses have credit limitations. Consult ASSIST to determine the applicable limitations for each academic year.
Courses numbered below 100 are not designed for transfer. They may apply to the associate degree unless preceded by the letter "N." Courses preceded by "N" do not apply toward the associate degree or graduation, but they do count toward course load.

SEE COURSE CODES

Accounting (ACCT)

ACCT 010

Accounting Procedures

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course introduces the students to the accounting cycle including journal entries, general ledger, the adjustment process, and the related financial statements. The course is designed to prepare students for Accounting 101 and/or occupations in bookkeeping.

ACCT 015

Education and Financial Pathways for Justice-Impacted Students

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This course introduces justice-impacted students to education and entrepreneurship pathways while emphasizing financial literacy, business planning, and the role of accounting in managing personal and business finances. Students will explore career options, develop startup skills, and create actionable post- release plans for education or self-employment success. This class is part of the SAC "Prison Education Initiative" designed for "Inside Scholars" at the Theo Lacy facility only.

ACCT 032

Payroll Accounting

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course covers accounting for payroll and worker's compensation. Calculation of payroll, payroll taxes, and the related forms and deposit requirements are covered.

ACCT 101 (C-ID ACCT 110)

Financial Accounting

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

The study of accounting as an information system, examining why it is important, and how it is used by investors and creditors to make decisions. Coverage includes the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. It also includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics.

CSU/UC

ACCT 102 (C-ID ACCT 120)

Managerial Accounting

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ACCT 101

Study of the use and reporting of accounting data for managerial planning, cost control, and decision making purposes. The course includes broad coverage of concepts, classifications, and behaviors of costs. Topics include cost systems, the analysis and use of cost information, cost-volume-profit analysis, contribution margin, profit planning, standard costs, relevant costs, and capital budgeting.

CSU/UC

ACCT 104

Federal and California Taxes

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Learn how to prepare federal and California state income tax returns for the individual. Learn tax theory and rules behind the Form 1040 and the most common IRS Schedules, such as Schedules A, B, C, D, E, and common income adjustments and tax credits. This course is CTEC qualified. This course may be repeatable as continuing education for professional certification.

CSU

ACCT 106

Work Experience - Accounting

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

ACCT 108

Tax Practices and Procedures

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The course covers various special topics in tax, including specialized returns and taxpayers; practices, procedures and representation before the IRS and completion of the tax filing process. This course may be repeatable as continuing education for professional certification.

CSU

ACCT 113

Intermediate Income Taxes – Corporations

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course covers income tax theory, concepts and regulations relating to corporations. The course includes the federal and California tax systems and income taxation relating to Corporations as well as basic tax research and ethical implications. This course includes coverage of both C Corporations and S Corporations.

CSU

ACCT 114

Intermediate Income Taxes - Partnerships and LLCs

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course covers income tax theory, concepts, and regulations relating to partnerships. The course includes the federal and California tax systems and income taxation relating to partnerships and other forms of business such as LLCs as well as basic tax research and ethical implications.

CSU

ACCT 120

QuickBooks Online

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

This course will instruct students on using QuickBooks Online software in the business environment for the preparation of accounting information. The course will cover accounting theory and practical knowledge of QuickBooks Online on topics that include company file setup, customizing QuickBooks, recording customer and vendor transactions, bank reconciliations, creation of accounting reports, customization, inventory management, time and billing, payroll setup, payroll processing, estimates and adjustments, and year-end procedures. This course will assist in preparing students for the QuickBooks Online Certified User exam.

CSU

ACCT 124

Computerized Income Tax Preparation

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course provides a student with practical knowledge of Federal income tax preparation and the income tax formula using commercial tax software.

CSU

ACCT 125

Volunteer Income Tax Assistance (VITA) I

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ACCT 104

This course will cover Federal and California individual income tax theories and laws to prepare students to successfully pass the IRS-provided online Basic, Advanced, and additional tax exams and be eligible to volunteer in the IRS-sponsored Volunteer Income Tax Assistance (VITA) program. The successful completion of the course and passing the exams will prepare students to work as an intern or volunteer at a VITA site to prepare tax returns and have face-to-face interaction with taxpayers.

CSU

ACCT 126

Work Experience - VITA

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students that are participating in the Volunteer Income Tax Assistance (VITA) Program to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

ACCT 198

Topics

Unit(s): 1.000-4.000 Class Hours: 18.000-72.000 Lecture total.

Courses on a variety of contemporary topics will be offered to meet the interests and needs of students in Accounting.

CSU

ACCT 204

Managerial Cost Accounting

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ACCT 102

Study of cost behavior, cost accounting, and cost control; the use of accounting information for management planning and decision making; cost systems, budgeting, and financial performance analysis.

CSU

ACCT 205

Intermediate Accounting I

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ACCT 102

An intermediate study of accounting theory and the conceptual framework; preparation of income statements and comprehensive income, balance sheets and statements of cash flows. Coverage includes present value; and accounting concepts related to the asset side of the balance sheet.

CSU

ACCT 206

Intermediate Accounting II

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ACCT 205

Second course in intermediate series in financial accounting that covers current and long-term liabilities, income taxes, pensions and post-retirement benefits, leases, stockholders' equity, earnings per share, and statement of cash flows. In addition, changes and/or in accounting methods, accounting estimates, or reporting entity are analyzed. Disclosure issues in financial statements are also addressed.

CSU

ACCT 207

Data Analytics for Accounting & Business Majors

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Data Analytics for Accounting & Business Majors is designed for Business Majors, but students from many different disciplines could benefit from it. The course introduces students to the tools necessary to analyze data, understand it, and incorporate it into useful information to help guide business decisions and strategies of organizations.

CSU

ACCT 210

Accounting Information Systems

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ACCT 101

Introductory course to accounting information systems that applies accounting principles using database and spreadsheet software. Designed to develop employable accounting analysis skills; evaluate and compare commercial software; analyze financial statements and understand role of internal controls.

CSU

ACCT 211

Auditing

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ACCT 102

This course examines the use of financial statement audits and details the audit process. Topics include professional responsibilities of auditors, audit design, sampling approaches, substantive testing, testing controls, and audit report formulation and communication.

CSU

ACCT 212

Accountants' Ethics and Responsibilities

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Focuses on the foundations of ethics & the professional responsibilities of accountants & CPAs; including ethical behavior and responding to ethical dilemmas. Topical content will include relevant professional, ethical standards and regulations, as well as research and practice concerning challenging ethical situations. The course will focus on the discussion of ethical cases and study of professional ethical standards set forth by both the AICPA and California State Board of Accountancy.

CSU

African American/Black Studies (BLST)

BLST 150

Introduction to African/Black American Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is an introduction to the field of African/Black American Studies. A trans-disciplinary, multisectoral, and multidimensional approach will be employed to study African/ Black Americans' various experiences and contributions to American society and culture. The course will cover historical and contemporary issues, including African origins, the development of African/Black American culture, the struggles of the African/ Black American family, African/Black American political life, and African/Black American people's socio-economic empowerment in the United States.

CSU/UC

American Sign Language (ASL)

ASL 110

American Sign Language I

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

This entry level course is designed to introduce students to American Sign Language (ASL) and fingerspelling as it is used within American Deaf culture. Instruction includes preparation for visual/gestural communication followed by intensive work on comprehension through receptive language skills, development of basic conversational skills, modeling of grammatical structures, and general information about American Deaf culture. ASL 110 is equivalent to two years of high school ASL. Students are required to attend at least one off-campus event.

CSU/UC

ASL 110H

Honors American Sign Language I

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

This honors course is designed to introduce students to American Sign Language (ASL) and fingerspelling as it is used within American Deaf culture. Instruction includes enhanced and intensive preparation for visual/gestural communication followed by intensive work on comprehension through receptive language skills, development of basic conversational skills, modeling of grammatical structures, and enriched general information about American Deaf culture. Students may be required to attend at least one off-campus event.

CSU/UC

ASL 111

American Sign Language II

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ASL 110

The second course in the study of American Sign Language (ASL) focuses on increased vocabulary development, intermediate comprehension and conversational skills, application of grammatical structures and practice in the receptive and expressive aspects of ASL, as well as appreciation of American Deaf culture, and history. Students are required to attend at least one off campus event.

CSU/UC

ASL 111H

Honors American Sign Language II

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ASL 110

The second course in the study of American Sign Language (ASL) focuses on increased vocabulary development, intermediate comprehension and conversational skills, application of grammatical structures and practice in the receptive and expressive aspects of ASL, as well as appreciation of American Deaf culture, and history. Students are required to attend at least one off campus event.

CSU/UC

ASL 112

Deaf Culture

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will cover basic information and research on Deaf culture, Deaf children and their upbringing, Deaf education, the importance of American Sign Language to the Deaf community, Deaf societies around the world and technological advances/ usage of people who are deaf or hard of hearing. Focus will be on research and progress within the Deaf culture.

CSU/UC

ASL 113

Introduction to Interpreting for the Deaf

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ASL 111

This course is designed to provide students with the historical and theoretical knowledge of the interpreting profession. Topics include: The history of ASL- English interpreting in the United States, roles and responsibilities of an interpreter, the Code of Ethics, relevant organizations, interpreter skills and competencies, overview of various settings, terminology, the interaction of American Deaf and Hearing cultures, business practices, and systems of evaluation and certification. Students may be required to attend two events outside of class.

CSU

ASL 114

Classifiers, Fingerspelling, and Numbering

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ASL 210

This course is designed to provide specialized instruction in the continued development of skills and application of expanded conceptualization of American Sign Language (ASL) classifiers, fingerspelling, and numbering concepts and further exploration and understanding of American Deaf culture. Expressive and receptive techniques will be emphasized. Students are required to attend one off campus event.

CSU

ASL 116

Introduction to Deaf Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This is an introductory course exploring the cultural, educational, linguistic, sociological, psychological, and audiological experiences of people who are deaf, hard of hearing, deaf/blind, and late-deafened in America. Students will be exposed to historical and current perspectives in trends, philosophies, ideologies, and the Deaf community as a subculture of American society.

CSU/UC

ASL 210

American Sign Language III

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ASL 111

The third course in the study of American Sign Language (ASL) emphasizes advanced ASL syntax, non-manual markers, vocabulary, and fingerspelling enabling students to participate in more complex conversations with Deaf community members.

Students will have emphasis on expressive skills in narrative form. Students are required to attend at least one off campus event.

CSU/UC

ASL 210H

Honors American Sign Language III

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ASL 111

The third course in the study of American Sign Language (ASL) emphasizes advanced ASL syntax, non-manual markers, vocabulary, and fingerspelling enabling students to participate in more complex conversations with Deaf community members.

Students will have emphasis on expressive skills in narrative form. Students are required to attend at least one off campus event.

CSU/UC

ASL 211

American Sign Language IV

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ASL 210

This course continues the study and development of American Sign Language (ASL) receptive and expressive linguistic competence. Emphasis on production/conversational skills in ASL, along with continued focus on grammatical and cultural features. Students are required to attend at least one off campus event.

CSU/UC

ASL 223

Beginning Interpreting and Ethics 2

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ASL 113

In this course, students will continue to develop theoretical foundations, cognitive skills, and technical skills needed to begin interpreting for deaf and hard of hearing children and adults, from English to ASL, and ASL to English. This course focuses on comprehension, memory, acuity and discrimination, immediate repetition, delayed repetition, word-level pattern inference, phrase-level pattern inference, multitasking, fingerspelled word recognition, and comprehension of numbers, in both ASL and English. The roles, responsibilities, and ethics of interpreters providing interpreting services in various professional settings will be examined. Students may be required to complete assignments off campus.

CSU

Anthropology (ANTH)

ANTH 100 (C-ID ANTH 120)

Introduction to Cultural Anthropology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A cross-cultural survey of the major areas of cultural anthropology including subsistence patterns, economic and political systems, family and kinship, religion, and cultural change. Also includes contemporary issues facing humankind such as the environment, resource depletion, ethnic conflict, globalization, and warfare. Emphasis is on understanding cultural diversity and cultural universals. Field trips may be required.

CSU/UC

ANTH 100H (C-ID ANTH 120)

Honors Introduction to Cultural Anthropology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Seminar style, content enriched for honors students, to provide a critical and extensive exploration of the major areas of cultural anthropology. Includes contemporary issues such as globalization, gender, and ethnic conflict. Field trips may be required.

CSU/UC

ANTH 101 (C-ID ANTH 110)

Introduction to Biological Anthropology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to humankind's place in nature including evolutionary theory, principles of genetics, primate evolution and behavior, fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes practical application of biological anthropology to human problems.

CSU/UC

ANTH 101L (C-ID ANTH 115 L)

Biological Anthropology Laboratory

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ANTH 101 or

Corequisite: Concurrent enrollment in: ANTH 101

Laboratory exercises and experiments designed to explore and understand the primary areas of physical anthropology: evolutionary theory, principles of genetics, comparative anatomy, physiology, behavior and ecology of vertebrates with an emphasis on non-human primates, analysis of fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes both traditional and virtual laboratory experiences.

CSU/UC

ANTH 103 (C-ID ANTH 150)

Introduction to Archaeology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This is a survey course in world archaeology. Methods of archaeological survey and excavation will be discussed as well as past and current concepts and theories. Material remains such as lithics, bone, ceramics and ecofacts will be discussed as to how they can be interpreted into social, political, economic, religious, and ethnic terms.

CSU/UC

ANTH 104 (C-ID ANTH 130)

Language and Culture

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

General introduction to the processes of human communication emphasizing coextensive aspects of language and culture. Surveys core areas of linguistic anthropology: structural linguistics; biological basis of language; and sociolinguistics. Topics include acquisition of first and second languages, languages in contact, and the effects of both language and culture on inter/intra group communication. Languages spoken in the local area are used as basis of study. (Same as English 104.)

CSU/UC

ANTH 104H (C-ID ANTH 130)

Honors Language and Culture

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

General introduction to the processes of human communication, emphasizing coextensive aspects of language and culture. Surveys core areas of linguistic anthropology: structural linguistics, biological basis of language, and sociolinguistics. Topics include acquisition of first and second languages, languages in contact, and the effects of both language and culture on inter/intra group communication. Languages spoken in the local area are used as basis of study. Requires individual research and oral presentation of readings in a seminar setting (Same as English 104H).

CSU/UC

ANTH 105

Ancient Mesoamerican Civilization

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An archeological and ethnohistorical survey of the origin and development of pre-Columbian civilizations in ancient Mesoamerica from Paleo-Indian times to the Spanish conquest (Same as History 105).

CSU/UC

ANTH 108

Religion, Magic, and Witchcraft

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to the anthropology of religion, magic, and witchcraft. A cross cultural study focusing on the beliefs and practices of early, non-western, and traditional religious systems with emphasis on the forms, functions, structures, symbolism, history, and evolution.

CSU/UC

ANTH 125

Native Americans in the U.S.

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A historical and contemporary survey of Native Americans in the United States, examining the diverse and complex cultural, religious, and political systems which governed Indigenous societies before and after European contact and colonization, including the development of tribes and nations, and the cultural practices of Native Americans today. (Same as History 125).

CSU/UC

ANTH 199

Independent Study

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Successful completion, with a C or better, of at least one ANTH course and approval of Independent Study Contract by Anthropology Department Chair

Corequisite: at least one other course in the Rancho Santiago Community College District.

Under faculty direction, students can increase their knowledge in specific areas of anthropology through directed field experience, research, readings and independent study. Students can also develop laboratory skills and competencies. Division approval required.

CSU

Art (ART)

ART 009

Art Lab

Unit(s): 0.500 Class Hours: 27.000 Lab total.

An open lab for studio art students for the purpose of devoting additional hours outside of class time on projects. Projects, determined by class assignments, vary by semester. Twenty-seven lab hours per semester earn 0.5 unit. (Pass/No Pass Only)

ART 019

Mural Art Lab

Unit(s): 0.500-2.000 Class Hours: 27.000-108.000 Lab total.

Corequisite: Concurrent enrollment in: ART 190 or ART 291 or ART 292

A lab for mural students to enhance skills and techniques on mural projects. Projects, determined by class assignments, vary by semester. (Pass/No Pass Only)

ART 100 (C-ID ARTH 100)

Introduction to Art Concepts

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A study of the visual arts in relation to both personal and cultural expressions. Fundamentals of visual organization, color theory, terminology, historical art movements and concepts will be studied. Required for art majors.

CSU/UC

ART 100H (C-ID ARTH 100)

Honors Introduction to Art Concepts

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Enriched exposure to a study of the visual arts in relation to personal and cultural expression with an emphasis on critical thinking and writing. Fundamentals of visual organization, color theory, terminology, historical art movements and concepts will be studied in a seminar format.

CSU/UC

ART 103 (C-ID ARTH 140)

Arts of Africa, Oceania, and Indigenous North America

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

History and appreciation of the arts of Africa, Oceania, and indigenous North America. Examines the visual arts of these vast and varied cultures within socio-political, aesthetic, religious contexts and their impact on Western art in Europe and the Americas.

CSU/UC

ART 104

Mexican and Chicano Art History

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The history and appreciation of Mexican and Chicano art from the pre-Columbian to the present including the modern murals of Mexico and the United States.

CSU/UC

ART 105

History of Modern Art

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

History of painting, sculpture, architecture, prints, and applied arts from the late nineteenth century through the twentieth century. Covers the formal philosophic, spiritual, and historical background of art from Post Impressionism to Post Modernism. For general students and art majors.

CSU/UC

ART 106 (C-ID ARTH 130)

Asian Art History

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Historical survey of the visual arts of India, China, Japan, Korea and Southeast Asia. Includes relationship of Far Eastern philosophy and culture to artistic achievement. Emphasizes works of art in terms of style, technique, and content.

CSU/UC

ART 108

Contemporary Art History: Art Since Mid-Twentieth Century

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A survey course exploring post World War II styles, trends, ideas, and innovations in architecture and the visual arts in Europe and North America with references to globalization.

CSU/UC

ART 109

Introduction to Woodworking

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

An introduction to the fundamentals of woodworking with a focus on wood as a medium for creative expression. Emphasizes knowledge of and proficiency with hard to soft woods; grain patterns; finishing techniques; fabrication; and joinery. Students learn and observe safety standards as they gain skills with hand tools, small power tools and larger machinery in the shop.

CSU/UC

ART 110 (C-ID ARTS 100)

Two-Dimensional Design

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Introduction to the principles and elements of two-dimensional design. Provides instruction in the fundamentals of visual communication including color theory, composition, and expression. Application of concepts through creative projects.

Required for art majors.

CSU/UC

ART 111 (C-ID ARTS 101)

Three-Dimensional Design

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

An introduction to the fundamental concepts and technical processes of three-dimensional design. Coursework will focus on the formal development and articulation of three dimensional objects with an emphasis on form, mass, scale, texture, space, color, contrast and movement.

CSU/UC

ART 122

Graphic Design I

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 195 or ART 195

Introduction to basic graphic design concepts, techniques and practices resulting in the production of effective visual communications. Projects combine text with images, using current industry standards and technology in print media and other design applications.

CSU/UC

ART 127

Drawing for Non-Art Majors

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

This is an introductory drawing class intended for students with little or no drawing experience and/or currently not majoring in art. Students will gain a greater appreciation of the history drawing and the art making process. The student will learn from a hands-on approach to basic observational drawing and composition. Students will learn about and employ the basic elements and principles of art, problem solving skills related to art making, how to use various basic drawing media, and become familiar with the basic vocabulary, concepts, and techniques of observational drawing.

CSU/UC

ART 130 (C-ID ARTS 110)

Introduction to Drawing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Introductory course in observational drawing, exploring line, form, proportion, composition, and a variety of media. Drawing from man-made and natural objects. Required for art majors.

CSU/UC

ART 131 (C-ID ARTS 200)

Beginning Life Drawing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ART 130

Introduction to drawing the human form by observing live models for studies in anatomy, structure, and composition. Students are both taught traditional and contemporary figurative drawing techniques, while exploring different media and methods.

Required for art majors.

CSU/UC

ART 132A

Beginning Pastel Drawing and Painting

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 130

Development of pastel drawing and painting skills using various techniques. Strong emphasis on color theory, value, and composition. Preparation of grounds using various papers. Study of historical and contemporary pastel styles and techniques.

CSU/UC

ART 132B

Intermediate Pastel Drawing and Painting

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 132A

Intensive exploration of contemporary uses of pastels. Intermediate and advanced projects emphasizing pastel drawing/ painting concepts in conjunction with other media. Emphasis on creative, personal expression, content, and style development.

CSU/UC

ART 133

Introduction to Gallery Production

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Introduction to the practices of art exhibit preparation and installation. Students will gain knowledge in the history and theory of art exhibition, as well as the current state of gallery management and museum work. Emphasis is on learning and utilizing industry-standard terminology, materials and tools. Students will move from observation to practical experience as they support the daily operations and special events of two college galleries. (Pass/No Pass Only)

CSU

ART 134

Intermediate Gallery Production

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 133

An intermediate course designed to build on knowledge and skills gained in Art 133. Students have opportunities to increase experience with new exhibitions and installations. Emphasis is on solving art gallery problems using current industry-standard communication and practices. Visits to local galleries and behind- the-scenes museum tours of collections and exhibition preparation areas. Students will also use woodshop equipment to build pedestals as well as draft an exhibition proposal and artwork layout. (Pass/No Pass Only)

CSU

ART 135

Advanced Gallery Production

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 134

Students produce a unique exhibition on campus using knowledge and skills gained in Art 133 and 134. Emphasis will be on independently curating, designing, lighting, writing didactic material, and publicizing their exhibition. (Pass/No Pass Only)

CSU

ART 140A

Watercolor Painting

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Introduction to watercolor painting as a creative art form with emphasis on transparent watercolor techniques. Course includes principles of composition and color theory, materials selection, tools, terminology, and various watercolor techniques. Students develop basic watercolor skills while painting from simple forms and progressing to a variety of subjects..

CSU/UC

ART 140B

Watercolor Painting

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 140A

A continuing course in transparent watercolor techniques providing the opportunity to advance the creativity of those with basic skills in watercolor. Further study of formal elements and composition while painting from varied subject matter. Emphasis on refinement of methods and techniques for more expressive painting.

CSU/UC

ART 141

Beginning Painting

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ART 110 ART 130

Introduction to acrylic and/or water soluble oil painting as a creative art form with exposure to historical, traditional and contemporary painting styles. Course includes principles of composition and color theory, materials selection, tools, terminology, and techniques. Students develop basic skills painting a variety of subjects. Required for art majors.

CSU/UC

ART 143

Landscape Watercolor

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 140A

Intermediate course in transparent watercolor using the Southern California landscape as studio and subject for paintings. Explores a variety of techniques, papers, brushes, and pigments. Further study of compositional/conceptual elements leading to development of individual expression.

CSU/UC

ART 148

Introduction to Illustration

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: ART 110 or ART 130

Introduction to the illustrative arts with an emphasis on traditional handmade process. Editorial illustration, technical illustration, book illustration, and fashion Illustration are introduced. Focus is on developing technical and conceptual expertise. This course examines master works by historically significant and contemporary illustrators, fine-art painters and other commercial artists.

CSU/UC

ART 150

Primitive Pottery Techniques

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Primitive techniques in pottery construction and firing.

Emphasizes handbuilt forms. Students will construct tools. Sawdust, raku, dung, low temperature salt, and other pit firings will be utilized.

CSU/UC

ART 151

Ceramics-Introductory Level

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Exploration of clay as a structural and creative material.

Experiences include throwing on the potter's wheel and hand building. Instruction includes surface design, glazing, and experience in utilitarian forms. Students provide clay and tools.

CSU/UC

ART 152

Ceramics-Intermediate Throwing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 151

Further study of wheel thrown techniques with an emphasis on functional, utilitarian forms. Students provide own clay and tools.

CSU/UC

ART 153

Ceramics-Intermediate Handbuilding

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 151

Further study of handbuilding techniques with emphasis on one-of-a-kind sculptural forms. Non-traditional alternatives to glazes are explored. Students provide own clay and tools.

CSU/UC

ART 154

Ceramics Summer Workshop

Unit(s): 3.000 Class Hours: 27.000 Lecture total, 81.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 151

For intermediate/advanced students interested in a self-guided study/exploration in the ceramic medium. Emphasizes technical aspects and artistic imageries. Invited artists will provide supplementary guidance. Students provide own clay and tools.

CSU/UC

ART 155

Plaster Mold Making

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 151

Basic aspects of plaster of Paris mold making: production of molds from original models in order to reproduce those models; alteration of those plaster mold castings into a more artistic, personalized imagery.

CSU/UC

ART 156

Clay Calculation: An Approach in Color Study

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 151

Basic uses of color clays as a decorative tool in making pottery forms. Techniques of sprigging, incising, inlay, and lamination are utilized with wheel-thrown, handbuilding, and plaster mold construction methods.

CSU/UC

ART 157

Ceramics-Raku and Saggar Firing Techniques

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 151

Use of the potter's wheel and/or handbuilding techniques as methods for constructing vessel forms. Includes a study of surface coloration from natural organic materials. Several firing techniques will be utilized.

CSU/UC

ART 158

Ceramic Mural Project

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 151

Students will work collaboratively to design, construct, and install tile murals. Students will learn various techniques of surface textures, painting, glaze colors, spatial compositions, and technical processes of installation. Students provide their own clay and tools. Projects vary each semester.

CSU/UC

ART 159B

Ceramic Color Decoration: High Temperature

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 151

Exploration of surface color decoration on ceramic vessels within the realm of high stoneware temperatures. Emphasizes glazing techniques such as marbling, feathering, mishima, brush decoration, stencils, stamp printing, spraying, slip painting, glaze trailing, wax resist, and terra sigallata.

CSU/UC

ART 162

Digital Illustration I

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 195 or ART 195 or portfolio exhibiting equivalent skills to 3 units of entry-level digital design coursework or

Explores the essentials of illustration for graphic designers and concept artists, using industry-standard production and design tools. Focuses on professional studio techniques to master this essential design tool for the creation of sophisticated graphics. Emphasizes efficient workflow, technical proficiency, and aesthetic judgment. Students produce portfolio-ready projects using a broad range of imaging skills. The primary software used includes Adobe Photoshop, supplemented with Adobe Illustrator, and some time-based media software. Same as DM 162.

CSU/UC

ART 168

Graphic Design II: Branding & Identity

Unit(s): 2.000 Class Hours: 36.000 Lecture total, 18.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Must have completed 6 units of design coursework or have portfolio of equivalent skillset

A comprehensive design course serving as the capstone for all Digital Media Arts & Graphic Design programs. Students develop a career/transfer-ready digital portfolio through team-based branding and identity design development for multiple media applications. Focus is on both business and personal branding. Career goals, resumes, online portfolios, interviewing skills, and customer service needs are addressed. 6 units of digital media- oriented coursework recommended.

CSU

ART 190

Introduction to Mural Painting and Design

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ART 110 or ART 130

A directed field studies course in designing and painting large- scale public art murals. Students will work collaboratively in groups and with the community to create designs. This class explores the various processes involved in the construction of large-scale public art while painting a variety of subject matter. Students will learn about historical, traditional and contemporary mural painting styles.

CSU/UC

ART 192A

Digital Illustration II: Advanced Topics

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 162 or ART 162 or equivalent, as demonstrated in illustration portfolio

Examines advanced design and illustration techniques using industry-standard software via Adobe Creative Cloud. Addresses contemporary illustrative problems, concepts, and skills development within the digital media and graphic arts industries for the creation of unique illustrations. The technical needs for graphic illustrations for print, animation, film, and the web will also be addressed. Primary Software: Adobe Illustrator, supplemented with Adobe Photoshop. Same as DM 192A.

CSU/UC

ART 195 (C-ID ARTS 250)

Introduction to Digital Media Arts

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

Foundation-level course designed for graphic designers, artists, photographers, web designers, programmers, and animation artists working in the digital realm. This course includes an overview of industry-standard software, including Adobe Creative Cloud for digital design in montage, vector, layout and time-based media. (Same as DM 195)

A combination of ART 195 may be taken a maximum of four enrollments.

CSU/UC

ART 198

Topics

Topics of special interest offered to meet the interests and needs of students of art.

CSU

ART 230 (C-ID ARTS 205)

Intermediate Drawing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 130

An intermediate course in the study of drawing designed to give students who have completed an introductory drawing course additional opportunity in graphic expression. Further exploration of materials including a wide variety of both drawing and mixed media. Students continue the development of composition and more intermediate concepts. The class emphasizes individual expression.

CSU/UC

ART 231

Intermediate Life Drawing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 131

Continued experience in figure drawing from the live model, with an opportunity for development of self-expression. Further exploration of media and techniques.

CSU/UC

ART 232

Advanced Life Drawing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 231

Intensive study of drawing the human figure with further advanced level development of drawing skills, composition, technique, and media utilizing the live model. Projects vary each semester.

CSU/UC

ART 233

Advanced Drawing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 230 or portfolio review.

To further develop individual expression and advanced skill sets in drawing. Students will plan a series of drawing problems to be executed during the semester under the instructor's direction.

Exploration of new materials and techniques.

CSU/UC

ART 235

Anatomical Drawing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 131 Students should have successfully passed ART-131 Beginning Life Drawing with a grade of C or better

In this course students will learn about realistic (artistic) representation of the human skeletal structure and musculature system with emphasis on function and relationship within the human figure. This course will explain and demonstrate specific areas of the human body, by breaking the figure down into manageable components and learning to draw them realistically from multiple aspects. Student's will work from, Anatomical Studies, Skeletons, Plaster casts and the occasional Figure Model.

CSU/UC

ART 240

Intermediate Watercolor

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 140B

An intermediate level course providing for continuing development of watercolor painting skills. Further refinement of media, technique and expression of style through more advanced painting projects. Subject matter content includes still life, landscape, figurative studies, abstraction, and individual creative expression. Traditional and non-traditional approaches.

CSU/UC

ART 241

Intermediate Painting

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 141

An intermediate level class designed to promote and advance the creative development of those with basic skills in water-soluble oil and/or acrylic painting. Opportunity for further study of historical and contemporary references and to increase experience with new media, methods, and techniques. Emphasis on artistic expression and individual creative problems.

CSU/UC

ART 242

Advanced Painting

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 241

An advanced level studio course providing opportunity for further refinement of painting skills with increasing exposure to contemporary styles. Emphasis on research and individual creative problems in painting. Exploration into a personal mode of expression through development of media, technique, and style. Classroom studio use of oils limited to water-soluble oil paint only.

CSU/UC

ART 243

Portrait and Life Painting

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 131 or ART 141

Painting of the human form with study of portraiture and anatomy. Compositions in representation of the life model through interpretive studies in watercolor, pastels, water soluble oil, and acrylic. Study of traditional and contemporary methods and directions.

CSU/UC

ART 248

Intermediate Illustration

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 148

This course will explore the further development of conceptual and technical expertise in the field of Illustrative arts. This class will focus on book illustration, technical rendering/ illustration, bio-medical illustration, and editorial illustration. The course examines master works by contemporary and historic artists. Emphasis on developing individual creative style.

CSU/UC

ART 251

Ceramics-Advanced Throwing and Handbuilding

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 152

Study of thrown and handbuilt sculptural forms. Exploration of decoration and glaze techniques and incorporation of non- traditional materials such as metal/wood/plastics/paints.

CSU/UC

ART 252

Ceramics-Advanced Study Process in Ceramics with Non-Traditional Media

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 152 or ART 153

An advanced study in the ceramic process as it relates to a non-clay media approach. A sculptural form study with non-traditional materials as surface enhancements.

CSU/UC

ART 253

Electric Kiln Ceramics

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 151

Provides student potters working studio production knowledge of the uses of an oxidizing electric kiln. Emphasizes types of electric kilns, spectrum of glaze formulas, and safety procedures of firing.

CSU

ART 291

Mural Painting and Design II

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 190

An intermediate level mural art class designed to promote and advance the creative development of those with basic skills in mural painting. Opportunity for further study of historical and contemporary references and to increase experience with new media, methods, and techniques. Students will work collaboratively in groups and with the community to create designs. Intermediate students will take on more leadership roles in the group creative dynamic.

CSU/UC

ART 292

Mural Painting and Design III

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 291

An advanced level studio course providing opportunity for further refinement of large scale painting skills with increasing exposure to contemporary styles in mural painting. Exploration into an advanced personal mode of expression through development of media, technique, and style.

CSU/UC

ART 296

Professional Art Production

Unit(s): 1.500 Class Hours: 18.000 Lecture total, 45.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ART 196A

Designed to provide practice in developing digital 3d or multimedia art projects for actual clients or in a simulated setting. Students choose an art project based on strengths, interests and market need to work on during the class.

CSU

Art History (ARTH)

ARTH C1100 (C-ID ARTH 110)

Survey of Art from Prehistory to the Medieval Era

Formerly: Survey of Western Art History I: Prehistory through the Middle Ages

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or passing grade in ENGL 101 or 101H or ENGL C1000 or C1000H, or concurrent enrollment in ENGL C1000 or C1000H.
This course introduces students to visual art and architecture from prehistory to the medieval era with a focus on art from Europe, North Africa, and the near East. The course will further consider global interactions involving these regions. The study of art from prehistory through the Middle Ages. Cultures and civilizations are studied through visual imagery, lectures, class discussion, reading, and research. Recommended sequence of courses: Art 100, ARTH C1100, ARTH C1200. *Formerly: ART 102 - Survey of Western Art History II: Renaissance to Today.*

CSU/UC

ARTH C1200 (C-ID ARTH 120)

Survey of Art from the Renaissance to Contemporary

Formerly: Survey of Western Art History II: Renaissance to Today

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or passing grade in ENGL 101 or 101H or ENGL C1000 or C1000H, or concurrent enrollment in ENGL C1000 or C1000H.
This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region. Art movements and individual painters, sculptors, architects, and printmakers will be presented within the context of the social, political, and intellectual histories of their respective periods. Required for art majors. *Formerly: ART 102 - Survey of Western Art History II: Renaissance to Today.*

CSU/UC

Asian American Studies (ASIA)

ASIA 150

Introduction to Asian American Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is an introduction to the field of Asian American Studies. A trans-disciplinary, multisectoral, and multidimensional approach will be employed to study Asian Americans' various experiences and their contributions to American society and culture utilizing the perspectives of race, nationality, class, gender, and sexuality. The course will cover historical and contemporary issues within Asian American communities, including immigration, anti-Asian violence, labor, unionization, and stereotypes.

CSU/UC

Astronomy (ASTR)

ASTR 109

Introduction to the Solar System

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Surveys history of astronomy, recent research and observations of the planets, moons, and other solar system objects. Exploration of light and gravity to understand formation, properties, and motion of Solar System objects.

CSU/UC

ASTR 110

Introduction to Stars and Galaxies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Surveys the development of astronomy, current research and observations of stars, galaxies, and large-scaled structures in the universe. Exploration of light and gravity to understand the properties and evolution of stars, neutron stars, black holes, galaxies, and the universe's structures and changes.

CSU/UC

ASTR 140

Astronomy Laboratory

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ASTR 109 ASTR 110 or concurrent enrollment.

Utilizes experimental techniques to explore and comprehend properties and motions of celestial objects. Basic naked-eye, binocular, and small telescope observing techniques will be introduced. Field trips to local planetaria and dark sky locations may be included.

CSU/UC

Automotive Technology (AUTO)

AUTO 102

Introduction to Automotive

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

Introduction to the primary automotive systems used on modern vehicles. Theory, parts nomenclature, and description of system operation are emphasized. This course is intended for students seeking technical knowledge, with hands-on lab work, and future employment as an automotive service technician.

CSU

AUTO 105

Automotive Workplace Skills

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

This course is designed to provide students with the foundational skills needed to succeed in the automotive service industry.

Emphasis will be placed on mastering the three C's methods (Concern, Cause, and Correction) for diagnosing and documenting repairs, as well as developing proficiency in basic English technical writing and communication. Students will also gain the ability to effectively communicate both verbally and in writing with service writers, customers, and other team members. Additionally, students will become familiar with industry tools and technology, including computers and diagnostic software, and will be expected to meet dealerships, independent shops, and BAR (Bureau of Automotive Repair) compliance standards. This course will require field trips.

CSU

AUTO 111

Engine Repair

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 102

This course deals with the teardown, measurement, reassembly, diagnosis, and repair of gasoline automotive engines. Accurate measurement of engine components and hands-on training of engine repair skills are emphasized. Students must bring approved safety glasses to the automotive lab. This course assists the student in preparation for the A1 (Engine Repair) ASE certification exam. Field trips may be required.

CSU

AUTO 112

Automatic Transmissions and Transaxles

Unit(s): 4.500 Class Hours: 54.000 Lecture total, 90.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 102

This course will cover the theory, operation, diagnosis, and service procedures of automatic transmissions and transaxles. Hydraulic systems are highlighted, along with exploration of electronic controls and continuously variable transmissions (CVT). Hands-on testing and service procedures are emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A2 (Automatic Transmission/Transaxles) ASE certification exam. Field trips may be required

CSU

AUTO 113

Manual Drive Train and Axles

Unit(s): 4.500 Class Hours: 54.000 Lecture total, 90.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 102

This course will cover the theory, operation, diagnosis, and service of manual transmissions, transaxles, clutches, driveshafts, and differentials. This course also covers four-wheel drive and all- wheel drive systems. Safe and correct hands-on procedures are emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A3 (Manual Drive Train) ASE certification exam. Field trips may be required.

CSU

AUTO 114

Suspension and Steering

Unit(s): 4.500 Class Hours: 54.000 Lecture total, 90.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 102

This course will cover the theory, operation, diagnosis, and service of the steering and suspension systems used on modern vehicles. Wheel alignment, tires, tire pressure monitoring systems, and electronic suspension/steering components are included. Hands- on practice is emphasized. Students must furnish approved safety glasses. This course assists students in preparation for the A4 (Steering and Suspension) ASE certification exam. Field trips may be required.

CSU

AUTO 114A

Suspension and Steering Lecture

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will cover the theory, operation, diagnosis, and service of the steering and suspension systems used on modern vehicles. Wheel alignment, tires, tire pressure monitoring systems, and electronic suspension/steering components are included. This course assists students in preparation for the A4 (Steering and Suspension) ASE certification exam.

CSU

AUTO 115

Brakes

Unit(s): 4.500 Class Hours: 54.000 Lecture total, 90.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 102

This course will cover the theory of operation, diagnosis, and service of drum, disc, and anti-lock brake systems used on modern vehicles. Safe and correct hands-on practice is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A5 (Brakes) ASE certification exam. Field trips may be required.

CSU

AUTO 115A

Brakes Lecture

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will cover the theory of operation, diagnosis, and function of drum, disc, and anti-lock brake systems used on modern vehicles. This course assists the student in preparation for the A5 (Brakes) ASE certification exam.

CSU

AUTO 116

Electrical Fundamentals

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 102

Introduction to the basic operating principles of electrical and electronic devices used in modern vehicles. Hands-on digital multimeter testing is highlighted. Safe and correct use of tools and equipment by students will be emphasized. The course will also include Ohm's law, circuit testing, electromagnetism, batteries, starters, and alternators. Students must furnish approved safety glasses. This course assists students in preparation for the A6 (Electrical/Electronics) ASE certification exam. Field trips may be required.

CSU

AUTO 116A

Electrical Fundamentals Lecture

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Introduction to the basic operating principles of electrical and electronic devices used in modern vehicles. The course will include Ohm's law, circuit designs, electromagnetism, batteries, starters, and alternators. This course assists students in preparation for the A6 (Electrical/Electronics) ASE certification exam.

CSU

AUTO 117

Heating and Air Conditioning

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 102

This course will cover the operation and service of modern automotive air conditioning systems. Practical application of air conditioning theory is presented to enable problem solving.

Heating, ventilation, and electronic control systems are also included. Safe hands-on practice is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A7 (Air Conditioning and Heating) ASE certification exam. EPA 609 certification is integrated into this course. Field trips may be required.

CSU

AUTO 118

Engine Performance

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 102

This course will cover engine performance procedures including fuel, ignition, oscilloscope, emission control, and computer systems found on modern automobiles. Hands-on testing and diagnosis are emphasized. This course assists the student in preparation for the A8 (Engine Performance) ASE certification exam. Students must furnish approved safety glasses. Field trips may be required.

CSU

AUTO 118A

Engine Performance Lecture

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

This course will cover engine performance procedures including fuel, ignition, oscilloscope, emission control, and computer systems found on modern automobiles. This course assists the student in preparation for the A8 (Engine Performance) ASE certification exam.

CSU

AUTO 119

Light Vehicle Diesel Engines

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

This course will introduce the applications of modern light duty diesel engines. American and German engine systems will be covered, including common rail fuel injection, turbochargers, and diesel emission systems. Field trips may be required.

CSU

AUTO 211

High Performance Engines

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: AUTO 111

This is an advanced course in automotive engine design and high- performance engine preparation. Complete disassembly and reassembly of engines will be accomplished. The use of precision measuring instruments, aftermarket specialty tools, and engine blueprinting techniques will be emphasized. Field trips may be required.

CSU

AUTO 216

Electrical Systems

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 102

Theory, operation, and diagnosis of automotive body electrical systems. Use of wiring diagrams is highlighted, with a concentration on electrical accessories. Ohm's law and electromagnetism will also be covered. Safe and correct use of tools and equipment in the shop by students is emphasized. This course assists students in preparation for the A6 (Electrical/ Electronics) ASE certification exam. Students must furnish approved safety glasses. Field trips may be required.

CSU

AUTO 220

Mopar Career Automotive Program Foundations

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

This course will introduce students to the Mopar Career Automotive Program (CAP). Course content will include access to Chrysler, Dodge, Jeep, and Ram online training. Students will complete the first level of Mopar specific web-based training in preparation for employment at a Mopar CAP dealership. A field trip to a local Mopar dealership may be required.

CSU

AUTO 221

Mopar CAP Training Phase 1

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 220

This course will cover the basic electrical systems of Mopar vehicles, which include Chrysler, Dodge, Jeep, and Ram. Topics include electrical theory, series and parallel circuits, digital multimeters, batteries, starters, alternators, wiring diagrams, and specific Mopar electrical diagnostics. This course is meant for students in the Mopar Career Automotive Program (CAP). Field trip to a Mopar Dealership may be required.

CSU

AUTO 222

Mopar Engine Repair

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 220

This course will cover engines and maintenance on Mopar vehicles, which include Chrysler, Dodge, Jeep, and Ram. Topics include the four-stroke cycle, engine components, engine compression, engine leak-down, turbochargers, engine maintenance, filters, oils, and specific Mopar engine maintenance procedures. This course is meant for students in the Mopar Career Automotive Program (CAP).

CSU

AUTO 223

Mopar Chassis Systems

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 220

This course will cover chassis systems and components on Mopar vehicles, which include Chrysler, Dodge, Jeep, and Ram. Topics include front suspension, rear suspension, steering system, power steering, alignment, wheels and tires, tire pressure monitoring system, frame designs, stability control, front brakes, rear brakes, power brakes, anti-lock braking system, hydraulic systems, electronic parking brakes, brake bleeding, and chassis/antilock brake computer module diagnosis specific to Mopar vehicles. This course is meant for students in the Mopar Career Automotive Program (CAP).

CSU

AUTO 224

Mopar Driveline Systems

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 220

This course will cover manual transmission and driveline systems and components on Mopar vehicles, which include Chrysler, Dodge, Jeep, and Ram. Topics include manual transmissions, gears, gear ratios, clutches, driveshafts, constant velocity axles, differentials, rear axles, positive traction units, four-wheel drive, all-wheel drive, and driveline computer module diagnosis specific to Mopar vehicles. This course is meant for students in the Mopar Career Automotive Program (CAP).

CSU

AUTO 225

Mopar Automatic Transmissions

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 220

This course will cover automatic transmission systems and components on Mopar vehicles, which include Chrysler, Dodge, Jeep, and Ram. Topics include automatic transmissions, hydraulic pressure, valve bodies, bands and clutches, torque converters, transmission electronics, and transmission computer module diagnosis specific to Mopar vehicles. This course is meant for students in the Mopar Career Automotive Program (CAP).

CSU

AUTO 226

Mopar CAP Training Phase 2

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 220

This course will cover the body and advanced electrical systems of Mopar vehicles, which include Chrysler, Dodge, Jeep, and Ram.

Topics include electrical circuits, accessories, power seats, door locks, windows, sunroofs, instrument clusters, navigation, audio, lighting, and specific Mopar electrical diagnostics. This course is meant for students in the Mopar Career Automotive Program (CAP).

CSU

AUTO 227

Mopar Diesel Engines

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 220

This course will cover diesel engine systems of Mopar vehicles, which include Chrysler, Dodge, Jeep, and Ram. Topics include mechanical diesel engine components, Cummins specific engines, Dodge designed diesel engines, diesel engine controls, diesel emissions, and specific Mopar diesel engine diagnostics. This course is meant for students in the Mopar Career Automotive Program (CAP).

CSU

AUTO 228

Mopar CAP Training Phase 3

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 220

This course will cover engine control systems of Mopar vehicles, which include Chrysler, Dodge, Jeep, and Ram. Topics include engine performance related items, emission controls, sensors, combustion, ignition systems, fuel systems, OBD, control modules, networks, and specific Mopar engine controls diagnostics. This course is meant for students in the Mopar Career Automotive Program (CAP).

CSU

AUTO 229

Mopar Electrical Systems

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 220

This course will cover high voltage systems and noise, vibration, an harshness conditions of Mopar vehicles, which include Chrysler, Dodge, Jeep, and Ram. Also included are air conditioning and heating systems for Mopar vehicles. Topics include high voltage safety, high voltage batteries, electric motors, inverters/converters, wiring, insulated digital multimeters, Pico scope testing, diagnosing noises and vibrations, automatic climate controls, A/C sensors, and specific Mopar diagnostics. This course is meant for students in the Mopar Career Automotive Program (CAP).

CSU

AUTO 260

Introduction to Hybrid/Electric Vehicles

Unit(s): 5.000 Class Hours: 63.000 Lecture total, 81.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: AUTO 116

This course will explore the function, operation, and design of hybrid/electric vehicles. The course will also focus on safe practices and procedures when working with high voltage systems. Students will build a purpose-built electric vehicle in the course and study current electric vehicle manufacturers. Students will work on hybrid transaxles also. High voltage systems will be examined, along with battery designs, AC and DC power motors, and electrical inverter/converters. Fuel cell vehicles are also included in the course content. Field trips may be required.

CSU

AUTO 284

Automotive Emerging Technologies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will cover emerging technologies found on modern automotive vehicles. Topics will include advanced navigation systems, WiFi on vehicles, smart and connected cars, Controller Area Network (CAN) systems, Advanced Driver Assistance Systems (ADAS), collision avoidance systems, driverless vehicles, and autopilot systems. New drivetrain systems will also be included, such as electric vehicle motors and high voltage systems, along with advancements in engine tuning and computer programming.

CSU

AUTO 299

Work Experience - Automotive

Unit(s): 0.500-4.000 Class Hours: 27.000-216.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Completion of at least 6 units of Automotive Technology courses with a minimum grade of C.

This work experience course of supervised employment assists students to acquire desirable work habits, attitudes, and skills in automotive maintenance, mechanical and electrical repair, diagnostic testing, vehicle fleet movability, and overall employment within the automotive industry. A student can earn 0.5 to 4 units per semester, up to a maximum of 14 units total. Additionally, students must work 54 hours to earn 1 unit. Student repetition is allowed per Title 5, Section 55253. (Pass/No Pass Only)

CSU

AUTO 300

Introduction to Automotive Manufacturers

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course will cover the structure of automotive original equipment manufacturers (OEM) such as General Motors, Ford Motor Company, Subaru, Mercedes-Benz, Stellantis, etc.

Additionally, the course will include topics related to manufacturer-specific vehicle design, company philosophy, global market outlook, and national company footprints. Vehicle inspections, component comparison, and documentation will be completed in the lab. Field trips may be required.

AUTO 318

Advanced Engine Performance (L1)

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course covers advanced engine performance systems which include gasoline engine ignition, fuel, emissions, computer controls, sensors, and mechanical engine operation. Furthermore, diagnostic procedures and troubleshooting problems are covered throughout the course in lecture and lab. This course assists students with preparation for the L1 (Advanced Engine Performance) Automotive Service Excellence (ASE) certification exam. Field trips may be required.

AUTO 320

Electronic Diesel Engine Diagnosis (L2)

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course will cover diesel engine electronics and how to diagnose electrical, sensor, and emission-related faults. The content of the course will also help students prepare for the L2 Automotive Service Excellence (ASE) certification. Topics include diesel mechanical engine operation, diesel electrical sensors, computer diagnosis of diesel engines, and troubleshooting methods to find various diesel electrical-related faults. Field trips may be required.

AUTO 330

Automobile Service Consultant (C1)

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course will cover the career, expectations, and duties of an automotive service advisor. Topics include customer service, the three Cs, completing repair order procedures, writing skills, and effective communication with internal and external customers. Additionally, the course will include customer service methods, techniques, and best practices. Also, this course will assist with preparation for the C1 Automotive Service Excellence (ASE) certification. Field trips may be required.

AUTO 340

Alternative Fuels (F1/H1)

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course introduces students to alternative fuel systems and how they are used in today's light, medium, and heavy-duty vehicles. Students will learn about ethanol, hydrogen, compressed natural gas (CNG), liquefied petroleum gas (LPG), biobutanol, dimethyl ether (DME), methanol, and renewable gasoline. The course explains how these fuels work with modern engines and diagnostic systems, as well as the infrastructure and rules needed to support them. Topics include emissions, safety, telematics, and legal requirements. Students will also study the roles of service advisors, fleet managers, and logistics coordinators in planning, decision-making, maintenance, fuel cost analysis, and facility compliance. This course also prepares students for the F1/H1 Automotive Service Excellence (ASE) certification. Field trips may be required.

AUTO 350

Advanced Driver Assistance Systems (L4)

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course will focus on the driver aids found on modern vehicles, such as collision avoidance, automatic braking, autopilot, lidar, radar, camera systems, GPS, and proximity sensors.

Operation, design, function, and required parameters of these systems will be included in the course content. This course will also assist with preparation for the L4 Automotive Service Excellence (ASE) certification. Field trips may be required.

AUTO 360

Light Duty Hybrid/Electric Vehicles (L3)

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course will assist students with preparation for the L3 (Light Duty Hybrid/Electric Vehicle) Automotive Service Excellence (ASE) exam. The course curriculum focuses on theory, operation, function, diagnosis, and service of modern hybrid and electric vehicles. Additionally, students will work with and examine various high-voltage systems, learning how to safely work with these systems. Electric motors, lithium-ion batteries, hybrid transaxles, and electric inverters/converters will be covered. Field trips may be required.

AUTO 399

Automotive Work Experience - Technical Skills

Unit(s): 0.500-4.000 Class Hours: 27.000-216.000 Lab total.

Prerequisite: Student must be admitted to the Automotive Technology baccalaureate program.

This work experience course of supervised employment assists students to acquire desirable work habits, attitudes, and skills in transportation mechanical and electrical repair, diagnostic testing, supervision and management, service consulting, parts distribution, and various employment occupations within the transportation industry. This course will focus on improving a student's skills within a technical environment. A student can earn 0.5 to 4 units per semester, up to a maximum of 14 units total. Additionally, students must work 54 hours to earn 1 unit. Students will develop objectives in consultation with the professor and work supervisor. Course repetition is allowed per Title 5, Section 55253. (Pass/No Pass Only)

AUTO 400

Transportation Leadership and Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

Students completing this course will focus on leadership and management in an automotive or other transportation company and how to apply each method. Topics will include different theories of leadership, management practices and best practices, and working with individuals from various backgrounds. Emphasis will be placed on learning techniques and methodologies that will enhance leadership and management skills within the transportation industry. Field trips may be required.

AUTO 410

Transportation Supply Chain

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course will cover the role and importance of transportation in a supply chain. Topics include transportation processes essential to global economic development, quality of life improvement, and enterprise success. Emphasis will be placed on the different modes of transportation, transportation risk, and transportation technologies. Field trips may be required.

AUTO 420

Transportation Ethics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course will cover professional ethics in the transportation industry. Topics include problem solving, conflict resolution, and daily activities related to service, repair, parts, and sales, examined from the perspective of the employee, manager, and organization. The course also explores the ethical implications of emerging transportation technologies and their environmental and societal impacts. Field trips may be required.

AUTO 430

Dealership and Manufacturer Relationship

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course will cover the interactions, relationships, and communication required between original equipment manufacturers and dealership proprietors. Topics include the requirements manufacturers maintain for dealerships to operate, dealership requirements to keep and maintain access to manufacturer vehicles, service, and parts, and how these interactions need to maintain efficiency to be successful for both entities.

AUTO 440

Educators and Technical Trainers

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This course will explore the opportunities, methods, and techniques used by automotive educators and trainers at community colleges, high schools, and vehicle manufacturer training centers. Career opportunities, pedagogues, and how manufacturer technical training is completed by original equipment manufacturers are implemented. Field trips may be required.

AUTO 495

Automotive Technology Capstone

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Must be accepted into the Automotive Technology Bachelor's degree, which requires completion of an Associate degree in Automotive Technology, Diesel Technology, Mopar Automotive Technician, or related field.

This capstone course is designed to integrate all prior coursework with real-world experience and research. The course includes preparation of a research project in which the student will demonstrate applicable skills within an automotive/transportation industry setting. The research project will be determined in conjunction with the professor. Students will complete a research project or senior thesis by the conclusion of the course, which may require field research.

AUTO 499

Automotive Work Experience - Leadership Skills

Unit(s): 0.500-4.000 Class Hours: 27.000-216.000 Lab total.

Prerequisite: Student must be admitted to the Automotive Technology baccalaureate program.

This work experience course of supervised employment assists students to acquire desirable work habits, attitudes, and skills in automotive related to leadership, management, interacting with colleagues, maintaining a professional environment, maintaining high ethical standards, and working in the automotive industry as a professional. This course will focus on improving the student's leadership skills. A student can earn 0.5 to 4 units per semester, up to a maximum of 14 units total. Additionally, students must work 54 hours to earn 1 unit. Students will develop student outcomes in consultation with the professor. Course repetition is allowed per Title 5, Section 55253. (Pass/No Pass Only)

Banking (BANK)

BANK 100

Introduction to Banking & Finance

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Explore the foundational principles of banking and finance, including the role of financial institutions, types of banking services, and the U.S. financial system. This course is ideal for students preparing for entry-level banking jobs or pursuing careers in financial services.

CSU

BANK 101

Deposit Systems & Operations

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Gain hands-on experience with deposit operations, account management, and transaction processing. Learn how checking, savings, and digital deposit systems function in retail banking.

CSU

BANK 102

Lending Practices

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn the fundamentals of consumer and commercial lending, including credit evaluation, loan processing, and risk management. Understand how banks assess and manage lending decisions.

CSU

BANK 103

Regulatory & Compliance in Banking

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Understand the regulatory framework that governs the banking industry, including laws such as the Bank Secrecy Act and Truth in Lending Act. Learn how banks comply with financial regulations to protect consumers.

CSU

BANK 104

Customer Service in Financial Settings

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Develop the communication and problem-solving skills needed to deliver excellent customer service in banks and credit unions.

Topics include professionalism, conflict resolution, and service excellence.

CSU

BANK 105

Technology for Banking & Finance

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Explore the latest technologies used in the banking industry, including online banking platforms, fintech tools, and cybersecurity best practices. Prepare for digital roles in modern financial institutions.

CSU

BANK 110

Work Experience - Banking & Finance

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

Biology (BIOL)

BIOL 098

Topics

Unit(s): 0.500-4.000 Class Hours: 9.000-72.000 Lecture total.

Specialized courses on topics related to the needs of students in biology.

BIOL 109

Fundamentals of Biology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Principles of biology stressing the relationship of all organisms from anatomical, physiological, and ecological points of view. Includes cell machinery, genetics, reproduction, embryology, animal behavior, botany, ecology, evolution, and human physiology. Concurrent enrollment in Biology 109L recommended. Designed for non-biology majors.

CSU/UC

BIOL 109H

Honors Fundamentals of Biology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Traditional Biology, enriched by extensive instructor-prepared study guides for each subject area of curriculum. Additional enhancement by outside reading suggestions and optional student reports. Class participation and discussion is strongly encouraged, as are questions on current reports and news in the popular media and scientific sources. Information will be expanded by reference to research observations and by appropriate references to classical and current literature.

Emphasis is on analysis of pertinent topics using critical reading and interpretation skills. Concurrent enrollment in Biology 109L is recommended. Designed for non-biology majors.

CSU/UC

BIOL 109L

Fundamentals of Biology Laboratory

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 109 or BIOL 109H or

Corequisite: Concurrent enrollment in: BIOL 109 or BIOL 109H

Laboratory experiments that illustrate important biological concepts at all levels of organization, from molecules and cells, to organisms, populations, communities, and ecosystems. Content complements Biology 109/109H lecture material. Fieldtrip required.

CSU/UC

BIOL 111

Marine Biology

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

This course covers basic concepts of marine ecosystems including oceanographic principles, ecology, and a survey of marine habitats and diversity of marine organisms. Field trips required.

CSU/UC

BIOL 115

Concepts in Biology for Educators

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

An investigation in the basic principles of Biology and Science with content appropriate for future multiple-subject teachers and secondary through high school. The course material is presented within the context of the human experience and includes cell biology, physiology, genetics, evolution, ecology, animal behavior, and the interaction of humans with the environment. The course is taught from an inquiry-based strategy using active learning.

CSU/UC

BIOL 127

Ecology

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Introduction to the basic principles of ecology. Study of ecosystems, biomes, and the relationships of plants and animals in the natural world. This is a field study course with overnight camping required.

CSU

BIOL 128

Natural History of the California Coast

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

An ecological study of plant and animal life of the southern and central California coast. This is a field study course with overnight camping required.

CSU

BIOL 129

Ecology of Southern California

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Identification and study of the plants and animals of the ocean, mountain and desert regions of Southern California with emphasis on the organisms' relationship to their environment. This is a field study course and includes overnight camping.

CSU/UC

BIOL 131

Natural History of the Southwest

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An ecological study of mountain, canyon, and desert ecosystems of the Southwestern United States. Animal and plant identification, geology, and environmental problems will be emphasized. This is a field study course with overnight camping required.

CSU

BIOL 132

Natural History of Death Valley

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Natural history of Death Valley emphasizing the biology of the plants and animals, their ecology, adaptations and evolutionary history, as well as the history of environmental change and human activities. This is a field study course with overnight camping required.

CSU

BIOL 133

Desert Biology

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Study of desert organisms, their adaptions to arid conditions, their evolution, identification and ecology, and the impact of human activities on desert organisms, communities, and ecosystems. This is a field study course with overnight camping required.

CSU

BIOL 149

Human Anatomy and Physiology

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, from cellular to organ system levels of organization. This course is primarily intended for nursing, allied health, kinesiology, and other health related majors.

CSU/UC

BIOL 169

Natural History of the Sierra Nevadas

Unit(s): 1.000-3.000 Class Hours: 18.000-54.000 Lecture total.

A field study of the ecology, geology, and history of the Sierra Nevada mountains. Animal and plant studies, environmental problems, and wilderness preservation will be emphasized. This is a field study course with overnight camping required.

CSU

BIOL 177

Human Genetics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introductory course in human genetics which explores basic principles, patterns of inheritance, gene structure, function and regulation, current advances in genetics and gene technology, as well as social and ethical issues in contemporary genetics.

CSU/UC

BIOL 187

Work Experience - Biotechnology

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Successful completion of 10 units from Biotech course series.

This course is an introduction to work experience with an on campus, supervised volunteer experience in bioscience including an introduction to new or expanded responsibilities. This course is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major to enable them to become productive employees. This course also provides students with career awareness for jobs. This course also provides students with career awareness for jobs. 54 hours of paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

BIOL 190 (C-ID BIOT 101X; BIOT 101BX = BIOL 190 + BIOL 190L)

Introduction to Biotechnology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is a general examination of biology as it relates to the field of biotechnology. Topics include the fundamental chemical processes common in prokaryotic and eukaryotic biology, chemistry of bio-molecules (proteins, enzymes, nucleic acids and lipids), cellular and molecular biology, basic immunology, and classical and molecular genetics with an emphasis on gene expression and genetic engineering.

CSU/UC

BIOL 190L (C-ID BIOT 101BX = BIOL 190 + BIOL 190L)

Introductory Biotech Lab

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: BIOL 190

This laboratory is a general examination of biology as it relates to the field of biotechnology. The laboratory addresses basic skills and techniques common to the biotechnology industry. Topics include the measurement of activity and quantity of proteins, growth and manipulation of bacteria, genetic engineering and antibody methods. This course is intended as a laboratory class for students majoring in applied biology and as a general education laboratory option for all students.

CSU/UC

BIOL 191 (C-ID BIOT 150X = BIOL 191 + BIOL 193)

Biotech A: Basic Skills

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

This course prepares students for entry-level work in the biotechnology industry by emphasizing the core concepts needed to work effectively in a bioscience laboratory. Topics include laboratory math, basic chemistry of buffers, healthy and safety, metrology and quality control. This course introduces students to standard biotechnology laboratory skills including laboratory measurement, maintenance of an industry standard notebook, preparation and sterilization of solutions, reagents and media, proper use and maintenance of laboratory equipment, adherence to quality control protocols and lab safety regulations, data collection and evaluation, basic separation methods, aseptic technique and documentation.

CSU

BIOL 192 (C-ID BIOT 220X)

Biotech B: Proteins

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 191

This course is an introduction to protein purification techniques including sample preparation, protein separation and purification, column chromatography, large-scale recovery, and use of assays for recovery analysis. It provides hands-on training with chromatography systems and assays used in industry and research laboratories. Application of current Good Manufacturing Process (cGMP), Good Laboratory Practice (GLP), and Standard Operating Procedures (SOP's) in relation to these techniques will be addressed. This course covers methods utilized for eukaryotic cell culture protein purification.

CSU

BIOL 193 (C-ID BIOT 150X = BIOL 191 + BIOL 193)

Biotech C: Nucleic Acids

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 191

This course introduces the fundamental skills in applied biotechnology focusing on the upstream research and development process. Skills include maintenance of an industry standard notebook; preparation and sterilization of solutions, reagents and media; utilization of good aseptic technique; proper use and maintenance of laboratory equipment; adherence to quality control protocols, lab safety regulations; biomolecules, cell structure, gene expression, molecular techniques including DNA/ RNA extraction and purification, bioinformatics, polymerase chain reaction, electrophoresis, DNA sequencing, recombinant DNA technology, DNA cloning, fluorescence in situ hybridization, and Southern blot analysis, and in vitro transcription. Compliance with industry standards and regulations will be incorporated into course procedures.

CSU

BIOL 194 (C-ID BIOT 210X)

Quality and Regulatory Compliance in Biosciences

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course will cover quality assurance and regulatory compliance for the bioscience industries. Topics will span quality control and Federal Drug Administration (FDA) regulations for the biotechnology, biopharmaceutical, biomedical device, and food industries. Theories and application of quality assurance and quality control will be presented and several different quality systems will be discussed such as cGXP (current Good Practices), ISO9000 (International Standards Organization), Six Sigma and Lean.

CSU

BIOL 195

Biotech: QC/QA Microbiology

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 229 or

Corequisite: Completion of or concurrent enrollment in: BIOL 229

This course will cover the skills necessary to work in a regulated quality control microbiology laboratory.

CSU

BIOL 197

Work Experience - STEM internship

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Successful completion of 10 units from Biotech course series.

Supervised paid or volunteer experience in student's major including new or expanded responsibilities. This course is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major to enable them to become productive employees. This course also provides students with career awareness for jobs. This course also provides students with career awareness for jobs. 54 hours of paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

BIOL 198

Topics

Unit(s): 0.500-4.000 Class Hours: 9.000-72.000 Lecture total.

Specialized courses on topics related to the needs of students in biology.

CSU

BIOL 199

Independent Study

Unit(s): 1.000-3.000 Class Hours: 18.000-54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Enrollment in at least one other class at either Santa Ana College or Santiago Canyon College. And Must show evidence of competence in their academic major and in the area in which they propose to conduct independent study.

Under faculty direction, students can increase their knowledge in specific areas of biology through directed field experience, research, readings and independent study. Students can also develop laboratory skills and competencies. Divisional approval required.

CSU

BIOL 200

Human Ecology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A biological and physical science introduction to environmental problems such as energy, resources, pollution, land use, population and food, including econoQuad mic and political factors. A natural science elective. (Same as Environmental Studies 200.)

CSU/UC

BIOL 202

Cell Culture Techniques

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 191

Students will learn eukaryotic cell culture techniques that include working under aseptic conditions, sterile techniques, media preparation, quantification and passage of cell lines. Laboratory experience prepares students for work in industry.

CSU

BIOL 211 (C-ID BIOL 190)

Cellular and Molecular Biology

Unit(s): 5.000 Class Hours: 54.000 Lecture total, 108.000 Lab total.

Prerequisite: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures. and

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CHEM 219 or CHEM 219H

An investigation into the molecular and cellular basis of life, including the evolution of cells, cell structure and function, energy and information flow, cellular reproduction, genetics, and the molecular basis of inheritance. Required of majors in biology, medicine, forestry, and agriculture.

CSU/UC

BIOL 212 (C-ID BIOL 130S = BIOL 212 + BIOL 214)

Animal Diversity and Ecology

Unit(s): 5.000 Class Hours: 54.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 275 or BIOL 211

A study of ecological principles and relationships between animal diversity and ecosystems. Habitat, populations, ecological interactions, and environmental influences are stressed while surveying animal diversity and addressing structure, function, behavior, and adaptation of major taxonomic groups. Required of majors in biology, medicine, forestry and agriculture. Field trips required.

CSU/UC

BIOL 214 (C-ID BIOL 130S = BIOL 212 + BIOL 214)

Plant Diversity and Evolution

Unit(s): 5.000 Class Hours: 54.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 275 or BIOL 211

Principles and processes of evolution leading to biodiversity. Survey of the organisms, viruses, prokaryotes, fungi, algae, and plants with emphasis on evolutionary adaptations of the anatomy, physiology, and life cycles of these organisms. Field trips required.

CSU/UC

BIOL 217

Pathophysiology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 239 and BIOL 249

Covers the functional changes in human physiology resulting from disease or injury. Clinical correlations are used to compare typical physiological processes and atypical pathophysiological processes affecting cells, tissues, organs, and organ systems across the life span. Includes the etiology, clinical presentation, and possible treatment of diseases or injures.

CSU/UC

BIOL 229

General Microbiology

Unit(s): 5.000 Class Hours: 54.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 109 or BIOL 109H and BIOL 109L or BIOL 190 and BIOL 190L or BIOL 139 or BIOL 149 or BIOL 275 or BIOL 211 or BIOL 239 or BIOL 249 or CHEM 209

Introduction to microorganisms, their classification, structure, biochemistry, growth, control, and interactions with other organisms and the environment. Designed for biology, preprofessional, and prenursing (BSN) majors.

CSU/UC

BIOL 239 (C-ID BIOL 110B)

General Human Anatomy

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Structure of the human body. Systems, organs, and tissues are studied from human skeletons, models, charts, slides and various electronic programs. Laboratory includes the dissection of a cat and periodic demonstrations of a prosected cadaver as available.

CSU/UC

BIOL 249 (C-ID BIOL 120B)

Human Physiology

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 239 or similar Human Anatomy course.

Microscopic, macroscopic, and dynamic view of the human physiological processes. The lecture portion includes a thorough consideration of both "cell and systems" physiology. Laboratory work includes the use of techniques used in basic research, an introduction to the use of standard medical equipment, and the performance of medical laboratory tests. Non-invasive experiments are performed on students enrolled in the class.

CSU/UC

BIOL 259

Environmental Biology

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Introduction to Environmental Biology. Includes study of ecosystems, population dynamics, classification, diversity of plant and animal species, effects of pollutants at both the cellular and organismal levels, and principles of ecology (Same as Environmental Studies 259). Field trips required.

CSU/UC

BIOL 275

Cell and Molecular Biology

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CHEM 219 or CHEM 219H and ; Intermediate algebra or equivalent, or a qualifying profile based on multiple measures.

This combined lecture and lab course is designed for majors within the biological sciences and pre-health profession field. This course is an investigation on the fundamental concepts of biology that include but are not limited to the following: prokaryotic and eukaryotic cell biology, biological molecules, membrane dynamics, homeostasis, cell communication and reproduction, metabolism including cellular respiration and photosynthesis, molecular genetics, molecular genetics, and biotechnology. The philosophy of science, methods of scientific inquiry and experimental design are foundational to the course.

CSU/UC

BIOL 290

Biochemistry and Molecular Biology

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 211 or BIOL 275 , and CHEM 209

Introduction to biochemistry and molecular biology. Included are discussions of biological macromolecules, energy production, metabolic pathways and regulation, genetic code, genomics, DNA replication, transcription and RNA processing, translation, and gene regulation. Laboratory activities will include use of visible and UV spectroscopy, chromatography, cell fractionation, ultracentrifugation, protein purification, electrophoresis, and recombinant DNA methods. This course is designed for biology majors, health pre-professionals, and biotechnology majors.

CSU/UC

Business (BUS)

BUS 100 (C-ID BUS 110)

Fundamentals of Business

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A survey in business providing a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the

U.S. and a global society. Demonstrates how these influences impact the primary areas of business including: organizational structure and design; leadership, human resource management, organized labor practices; marketing; organizational communication; technology; entrepreneurship; legal, accounting, financial practices; the stock and securities market; and therefore affect a business' ability to achieve its organizational goals.

CSU/UC

BUS 101 (C-ID BUS 125)

Business Law

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations. Intended for transfer to Cal State Northridge. All others see Law 105 and Bus 105.

Check with counselor for appropriate class.

CSU/UC

BUS 103

Work Experience - Business

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience.(Pass/No Pass Only)

CSU

BUS 105 (C-ID BUS 120)

Legal Environment of Business

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations. (Same as LAW 105).

CSU/UC

BUS 106

Culture and International Business - Kiss, Bow or Shake Hands

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

In today's globalized business landscape, mastering the nuances of diverse cultures is essential. "Culture and International Business" delves deep into cross-cultural dynamics, giving you the analytical tools and greater understanding of local sensitivities.

Discover how key business areas—from marketing to HR—benefit from cultural intelligence. Equip yourself with cultural competence, sharpened negotiation skills, and the latest business theories to stand out in international markets. Embrace the power of diverse insights, as this course melds equity and inclusivity principles, giving you a comprehensive grasp of international business cultures, effective cross-cultural communication, and strategic negotiation techniques.

CSU

BUS 110

Export Pricing, Quotations and Terms of Trade

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Learn how to respond to trade inquiries. Learn international trade terms of sale, international pricing and supply chain management. Learn how to calculate landed costs and export pricing.

CSU

BUS 113

Inventory Management & Technology

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Explore inventory management and technology used in the field. Learn how warehousing strategies, inventory management, sales forecasting and information impact global operations. Supply chain and distribution management technology and trends will also be introduced.

CSU

BUS 115

Global Supply Chain and Logistics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Learn how to respond to international trade inquiries, understand international trade terms of sale for import and export, and how to calculate landed costs. Learn how to create and issue import and export documents used in selling or buying products globally. Includes the creation and use of actual documents used in global trade. Learn how to ship products internationally and develop a transportation strategy. Learn about transportation terminology, the role of the freight forwarder, transportation documentation, freight cost calculations, major ports of the world, and distribution methods. Create documents for product inspection, health/agricultural registrations, and hazardous materials shipments. Utilize actual documents, software, and resources necessary to effectively complete documentation required for international trade. Get introduced to supply chain management and inventory control.

CSU

BUS 116

Global Marketing: Selling Around the World

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This comprehensive Global Marketing course explores the dynamic and evolving landscape of international business, equipping students with the tools and strategies needed to successfully market products and services in global markets. Through an analysis of market entry strategies, cross-cultural consumer behavior, global branding, digital marketing trends, and international trade regulations, students will gain a deep understanding of the challenges and opportunities in diverse global markets. (Same as MKTG 116, Global Marketing: Selling Around the World)

CSU

BUS 117

Global Commerce and Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides a comprehensive overview of global commerce, focusing on the creation and management of international business contracts, financial mechanisms, and the regulatory frameworks that govern international distribution. Students will learn about international limited liability companies, foreign direct investment, and how global trade agreements such as NAFTA/USMCA, GATT, and the EU affect businesses. The course also explores management in varying legal environments and U.S. export regulations. Emphasis will be placed on using the U.N. Convention on Contracts for the International Sale of Goods and managing cross-border transactions. Through this course, students will gain insight into how countries cooperate to form global markets and regulate international trade. (Same as PARA 117, Global Commerce and Management)

CSU

BUS 118

Importing: Global Sourcing and Markets

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides a comprehensive guide to import operations and global sourcing, covering the essential procedures, regulatory requirements, and e-commerce strategies for managing an importing business. Students will learn how to evaluate international suppliers, manage logistics and supply chain costs, and comply with import regulations and record keeping requirements. The course also emphasizes cost-effective importing operations, including how to optimize shipping and manage international payments. Additionally, the course will cover e-commerce strategies, the course prepares students to effectively import and sell goods in global and digital marketplaces. By the end of the course, students will have practical knowledge to start or manage an importing business.

CSU

BUS 119

Doing Business in Latin America and Asia

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course offers an in-depth exploration of the opportunities and challenges of conducting business in Latin America and Asia. Students will gain a comprehensive understanding of the cultural, linguistic, legal, and structural differences that influence business practices in these regions. This course explores approaches that companies use to compare unique competitive advantages that exist in the regional markets within Latin America to that of the growing globalization of markets within Asia-Pacific regions. The main themes of this subject cover economics, culture, governance, trade, business, strategy and marketing.

CSU

BUS 120

Principles of Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Principles of Management provides students with an overview of the role of management in business. This course is for students who plan on becoming supervisors and managers in their field. It introduces students to the theories, terminology and foundations of management including the functional areas of planning, organizing, leading, and controlling within the context of social and cultural perspectives related to gender, age, race and ethnicity.(Same as Management 120).

CSU

BUS 121

Human Relations and Organizational Behavior

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course explores managing human behavior in organizations and is designed to give students exposure to essential theories, practices and methods used within organizations to promote effective behavior. Topics tie human behavior to organizational dynamics, communication, leadership, power structures, and organizational design. (Same as Management 121).

CSU

BUS 125

Introduction to International Business

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Discover how businesses, while strategizing their international expansion, consider the importance of cultural inclusivity, local market sensitivities, and equitable management practices. Explore international marketing strategies, cross-border finance mechanisms, international standards, and efficient logistics and supply chain operations. Recognize and respect varied business practices and norms. Learn about the nuances involved in product development, international distribution, and sales strategies that are responsive to the diverse needs and preferences of international consumers.

CSU

BUS 127

Introduction to E-Commerce

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Electronic commerce (e-commerce) from a marketing and managerial perspective focusing on the retailing, business-to- business, and service industries. Topics include e-commerce infrastructure, intranets and extranets, electronic payment systems, marketing research, advertising, e-commerce strategies, and privacy issues. (Same as MKTG 127)

CSU

BUS 130

Personal Finance

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures.

This course is designed to empower individuals with various tools to manage their money and make sound lifelong financial decisions. Topics include financial planning, income and expense management, investment analysis, retirement planning, consumerism, insurance, estate planning, home ownership and credit management. This course uses financial, tax, and mathematical calculations. Students will take a hands-on approach to such learning and skill development with problem- solving assignments and projects that require them to explain information presented in tax forms and financial statements. They will also obtain the knowledge and skills required to convert financial information into portrayals that contribute to an understanding of present and future personal and family financial needs. Students will also be provided with opportunities to analyze and synthesize on documents and reports. They will develop the logical reasoning skills needed by informed and productive citizens. Moreover, instructors will (a) provide student-centered activity-based instruction, (b) emphasize the conceptual understanding and skills of mathematics and quantitative reasoning, and (c) facilitate the development of competence and confidence in problem-solving abilities.

CSU/UC

BUS 140

Principles of Finance

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to corporate financial management and the functioning of global financial markets. Includes financial planning and analysis, working capital management, capital budgeting, time value of money, risk analysis, capital markets, and long term financing.

CSU

BUS 141

The Globalization of Marketing

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Learn how to adapt marketing techniques to international markets, how to develop marketing strategies, and how to target markets based on the cultural, political and economic environments. Learn how to create forecasts and budgets for international markets.

CSU

BUS 147

International Commercial Agreements and Distribution Law

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Learn to create business contracts in the global marketplace and how to use the U.N. Convention on Contracts for the International Sale of Goods. Learn about contracts with foreign sales representatives and laws regulating international distribution.

Learn about international limited liability companies and foreign direct investment laws. (Same as Paralegal 147.)

CSU

BUS 150 (C-ID ITIS 120, C-ID BUS 140)

Introduction to Information Systems and Applications

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to computer concepts and management information systems. Application software will be used to solve business problems.

CSU/UC

BUS 160

Introduction to Stock and Bond Investments

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introductory course in investment decision-making. Topics covered are types of securities, securities markets, stocks, bonds, options, mutual funds, value analysis, international investing, portfolio management, and financial planning.

CSU

BUS 163

International Methods of Payment and Letters of Credit

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Analyze international methods of payment to determine risks and benefits. Learn how to initiate and utilize a letter of credit and its role in international transactions. Learn how to check customer credit and assign payment terms.

CSU

BUS 170

Principles of Small Business Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Practical business skills needed to start and operate a small business. Includes information on risk management, site location, legal aspects, financing, budgeting, merchandising, promotion, and management techniques.

CSU

BUS 180

Finding and Evaluating Products for Import

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Evaluate the potential of an import business. Contact vendors and source products. Determine import classification, tariffs and taxes and calculate landed costs to import into the U.S.

CSU

BUS 222 (C-ID BUS 115)

Business Writing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Overview of oral and written communication skills used in business. Emphasizes guidelines for improving writing and speaking skills, common solutions to common communication problems, ethical issues facing business communicators today, instructions on how to identify areas of legal vulnerability, and tested techniques for communicating successfully in today's high- tech, international business environment.

CSU

Business Applications (BA)

BA 100

Business Writing Skills

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Develop clear and professional business writing skills to succeed in today's workplace. Learn proper grammar, punctuation, sentence structure, and organization while producing emails, memos, letters, reports, and online content. Practice editing and proofreading techniques and apply AI tools (e.g., ChatGPT, Microsoft Copilot) to strengthen business writing, job search, and workplace communication skills.

CSU

BA 101

Work Experience - Business Applications & Technology

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

BA 102

Professional Skills & Career Readiness

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prepare for career success by building professional skills that employers value. This course covers leadership, customer service, teamwork, collaboration, communication, business ethics, office management, problem-solving, and decision-making. Students will also strengthen professional image, interpersonal communication, and time and stress management. Learn how to use AI tools and applications (e.g., ChatGPT, Microsoft Copilot, LinkedIn AI features) to support job searches, interview preparation, career growth, promotions, workplace communication, and project management.

CSU

BA 103

Business Mathematics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is designed to enable students to learn and apply mathematics skills in business including review of fractions, decimals, percents, banking, discounts, markups, payroll, interest calculation, installment buying, mortgages, depreciation, taxes, insurance, stocks, bonds, and mutual funds.

CSU

BA 105

Introduction to AI for Business

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to the rapidly evolving field of Artificial Intelligence (AI) and its applications in business, education, medical, legal, and government. This course is for everyone, especially non-technical users who want to understand the power of AI. Explore how AI technologies are transforming various business functions including marketing, finance, human resources, customer service, and operations. Understand AI applications by assessing the benefits, identifying challenges, and evaluating ethical considerations associated with AI implementation. Explore current AI tools and trends like ChatGPT used to drive business innovation and efficiency.

CSU

BA 106

ChatGPT & Generative AI Applications

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Unlock the power of ChatGPT and other leading generative artificial intelligence (AI) applications for business, education, and personal use. Learn step-by-step instructions on how to use AI applications to find answers, promote creativity, and increase productivity. Use proper methods from fundamental concepts to advanced techniques. Navigate ethical considerations to ensure responsible AI use. Gain insights into upcoming AI trends and technologies. This course is for new and experienced AI users.

CSU

BA 107

AI Strategies for Business

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn how to effectively use artificial intelligence (AI) applications and technology to gain a competitive advantage in business. Use the full potential of AI to increase efficiency and boost profitability using the latest trends. Use AI to streamline operations, improve customer engagement, improve financial management, and optimize marketing efforts. You will develop innovative AI strategies, solutions, and implementations to cut costs, increase productivity, and drive success.

CSU

BA 108

AI Ethics for Business

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Are you curious or concerned about the ethical issues of using AI? This course will help you with knowledge, tools, and strategies for handling ethical issues and concerns the use of Generative AI increases. Explore the moral and societal questions that come with using AI applications and technology for business, education, government, and personal use. Topics include data privacy, fairness in algorithms, transparency, reliability, and emerging AI regulations. Evaluate AI risks, ethical considerations, and challenges. Develop strategies for using AI responsibly. This course is for new and experienced AI users.

CSU

BA 109

AI for Education

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Artificial intelligence (AI) is revolutionizing the way we learn, work, and think. The rise of AI in education provides innovative opportunities. AI also presents some challenges, rumors, confusion, ethical considerations, and uncertainty. Learn how to embrace AI to enhance education. Discover strategies for using AI as an effective teaching tool, inspire and engage students, automate administrative tasks, insight into future trends, and examine ethical issues for academic integrity. This course is for new and experienced AI users.

CSU

BA 110

Computer Keyboarding Skills

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

Master the first step in professional keyboarding by learning proper techniques with accuracy and confidence. Students will practice correct hand and finger positioning for the alphabet, punctuation, enter/return, and capitalization. Lessons are interactive and designed to make typing engaging for all ages, whether learning for the first time or refreshing skills. This course provides the foundation needed to build speed and accuracy in BA 115. Supplemental activities may use AI tools (e.g., ChatGPT) to generate short writing prompts for real-world business typing practice.

CSU

BA 115

Computer Keyboarding Speed and Accuracy Development

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

Take your typing to the next level by building speed and precision to meet today's workplace standards. Students will complete drills and timed tests to boost typing confidence and make working with technology faster and easier. This course is ideal for students of all ages who want to type quickly and accurately for school, work, or personal use. Supplemental activities may use AI applications (e.g., Microsoft Copilot) to create workplace-style typing practice with emails, reports, and online communication. Typing skills with a minimum 20 words per minute (WPM) using proper techniques or completion of BA 110 are recommended.

CSU

BA 125

Microsoft Word

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Gain professional training in Microsoft Word to learn proper techniques for creating, editing, and formatting business documents. Apply advanced features to produce résumés, reports, and workplace projects while mastering shortcuts and current business standards. Apply AI tools (e.g., Microsoft Copilot, ChatGPT) to streamline document creation and editing. Includes preparation for the Microsoft Office Specialist (MOS) Word and Word Expert exams, earning industry-recognized certifications that strengthen career opportunities.

CSU

BA 126

Microsoft Outlook

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn how business professionals use Microsoft Outlook to manage communication, schedules, and tasks effectively. Apply best practices for email, calendar organization, meeting invites, appointment scheduling, contact management, and email security. Explore customization options and integration with other Microsoft applications to improve workplace productivity. Apply AI tools (e.g., Microsoft Copilot) to streamline inbox management, draft professional emails, and organize projects more efficiently. Includes preparation for the Microsoft Office Specialist (MOS) Outlook exam, earning an industry-recognized certification valued by employers.

CSU

BA 127

Microsoft Teams

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Collaborate, communicate, and manage projects effectively with Microsoft Teams. Learn advanced techniques for creating and managing teams and channels, running virtual meetings, sharing files, and maintaining security. Practice using chat, video, and webinar features along with integration of Word, Excel, and PowerPoint to improve productivity. Apply AI features (e.g., Microsoft Copilot) to summarize meetings, generate action items, and streamline teamwork across projects, preparing students to meet the collaboration standards valued by today's employers.

CSU

BA 130

Introduction to Spanish Bilingual Interpreting

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to Spanish and English bilingual skills for a career as an interpreter or translator. Learn about the various industries that employ bilingual skills to provide interpreting and translating services for business, medical, legal, government, and education. Course includes proper translation of industry terminology, written and verbal translation techniques, three methods of interpretation (Consecutive, Simultaneous, and Sight Translation), professional role, and code of ethics. Topics also include exploring AI tools in interpreting and translating. Students must be fluent in both Spanish and English (oral and written) to be confirmed by instructor with first assignment.

CSU

BA 131

Business Interpretation and Translation - Spanish / English

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Business Spanish and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to business, government, and education. Topics include proper translation of communications, industry terminology, forms, Individualized Educational Plan (IEP) forms, social media, marketing, advertising, presentations, government documents, three methods of interpretation (Consecutive, Simultaneous, and Sight Translation), professional role, standards, and code of ethics. Topics also include exploring AI tools in interpreting and translating. Students must be fluent in both Spanish and English (oral and written) to be confirmed by instructor with first assignment.

CSU

BA 132

Medical Interpretation and Translation - Spanish / English

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Medical Spanish and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to medical offices, hospitals, dental offices, clinics, and other healthcare services. Topics include proper translation of medical terminology, professional role, standards, code of ethics, medical signs and symptoms, health insurance, medical forms, and three methods of interpretation (Consecutive, Simultaneous, and Sight Translation). Topics also include exploring AI tools in interpreting and translating. Students must be fluent in both Spanish and English (oral and written) to be confirmed by instructor with first assignment.

CSU

BA 133

Legal Interpretation and Translation - Spanish / English

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Legal Spanish and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to law offices, courts, law enforcement, government, and other legal related business. Topics include proper translation of legal terminology, consecutive mode of interpreting in a legal setting, professional role, standards, code of ethics, documents, forms, court reporting, and legal cases.

Students must be fluent in both Spanish and English (oral and written) to be confirmed by instructor with first assignment. (Same as LAW 133).

CSU

BA 140

Introduction to Vietnamese Bilingual Interpreting

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to Vietnamese and English bilingual skills for a career as an interpreter or translator. Learn about the various industries that employ bilingual skills to provide interpreting and translating services for business, medical, legal, government, and education. Course includes proper translation of industry terminology, written and verbal translation techniques, three methods of interpretation (Consecutive, Simultaneous, and Sight Translation), professional role, and code of ethics. Topics also include exploring AI tools in interpreting and translating. Students must be fluent in both Vietnamese and English (oral and written) to be confirmed by instructor with first assignment.

CSU

BA 141

Business Interpretation and Translation - Vietnamese / English

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Business Vietnamese and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to business, government, and education. Topics include proper translation of communications, industry terminology, forms, Individualized Educational Plan (IEP) forms, social media, marketing, advertising, presentations, government documents, three methods of interpretation (Consecutive, Simultaneous, and Sight Translation), professional role, standards, and code of ethics. Topics also include exploring AI tools in interpreting and translating. Students must be fluent in both Vietnamese and English (oral and written) to be confirmed by instructor with first assignment.

CSU

BA 142

Medical Interpretation and Translation - Vietnamese / English

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Medical Vietnamese and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to medical offices, hospitals, dental offices, clinics, and other healthcare services. Topics include proper translation of medical terminology, professional role, standards, code of ethics, medical signs and symptoms, health insurance, medical forms, and three methods of interpretation (Consecutive, Simultaneous, and Sight Translation). Topics also include exploring AI tools in interpreting and translating. Students must be fluent in both Vietnamese and English (oral and written) to be confirmed by instructor with first assignment.

CSU

BA 143

Legal Interpretation and Translation - Vietnamese / English

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Legal Vietnamese and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to law offices, courts, law enforcement, government, and other legal related business. Topics include proper translation of legal terminology, consecutive mode of interpreting in a legal setting, professional role, standards, code of ethics, documents, forms, court reporting, and legal cases.

Students must be fluent in both Vietnamese and English (oral and written) to be confirmed by instructor with first assignment. (Same as LAW 143)

CSU

BA 146

Computer Fundamentals

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

Learn essential computer skills for business and personal use, whether new to computers or updating skills with current technology. Explore hardware components, software applications, Internet use, networking, Wi-Fi, cloud computing, and cybersecurity basics such as safe file sharing, password protection, and phishing awareness. Use computers efficiently, safely, and productively in workplace settings. Apply accessibility features and AI tools such as Copilot and ChatGPT to streamline tasks and strengthen everyday digital skills.

CSU

BA 147

Microsoft Windows, OneDrive & OneNote

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

Build skills in Microsoft Windows, OneDrive, and OneNote to improve productivity and organization in the workplace.

Customize the interface and Windows settings, manage files and folders with File Explorer, and save and share documents securely in OneDrive cloud storage. Use the Microsoft Edge browser, organize notes and meeting plans with OneNote, and apply accessibility tools for inclusive communication. Integrate AI features such as Microsoft Copilot to enhance productivity, automate tasks, and support collaboration in business projects.

CSU

BA 149

Technology for Interpreters & Translators

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn the technology and equipment used by professional interpreters and translators. Develop skills in using hardware and software for in-person and remote interpreting and translating. Topics include emerging technologies such as AI tools, hands-on exercises comparing AI output with human translation, and evaluating the reliability and limitations of digital tools. Course content emphasizes ethical decision-making, professional standards, and practical applications. Integrating modern technology will help increase efficiency, accuracy, and productivity in written translation and verbal interpreting. Bilingual proficiency in English and Spanish or Vietnamese is strongly recommended.

CSU

BA 153

LinkedIn & Social Media Applications

Formerly: Social Media Apps for Employment and Business

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

Develop professional skills using LinkedIn and leading social media apps to build a digital presence and career opportunities. Create accounts, design profiles, and post content across LinkedIn, Facebook, Instagram, TikTok, YouTube, X (Twitter), Pinterest, Yelp, Google, Snapchat, and Threads. Use social media for career development, networking, and business marketing while applying security and privacy best practices. Integrate AI tools such as ChatGPT, Canva AI, and Adobe Express to create posts, draft captions, and analyze engagement. Complete hands- on projects to showcase skills and build a professional portfolio.

CSU

BA 154

Google Analytics & SEO Applications

Formerly: Search Engine Optimization and Web Statistics Apps for Business

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

Use Google Analytics and Search Engine Optimization (SEO) tools to measure and improve website performance. Practice keyword research, content optimization, traffic analysis, and campaign tracking with Google Analytics and related web statistics apps.

Apply SEO techniques and analytics reports to evaluate conversions, return on investment (ROI), and site effectiveness. Integrate AI tools such as Google Gemini and ChatGPT to generate insights, optimize content, and support data-driven decisions. Complete hands-on projects to apply analytics and SEO skills to real-world business scenarios.

CSU

BA 155

WordPress

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn how to design and manage websites and blogs using WordPress, a popular platform for business and personal web publishing. Create responsive websites with themes, plugins, and widgets while applying current Search Engine Optimization (SEO) techniques to improve visibility. Learn the differences between WordPress.com and WordPress.org, manage site content, and integrate with digital marketing tools. Use AI features such as ChatGPT and Canva AI to generate content, suggest layouts, and streamline website design.

CSU

BA 156

Canva

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn how to use Canva, an online graphic design and publishing application, to create engaging visual content for business and marketing projects such as social media posts, presentations, marketing flyers, infographics, short videos, and web pages.

Instruction covers templates, brand kits, design best practices, exporting, and AI features that make content creation faster and easier. This course is valuable for entrepreneurs, small business owners, and marketing professionals who want to produce high-quality content quickly and effectively.

CSU

BA 158

Introduction to Drones

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

Build skills in flying drones for commercial and recreational purposes with an emphasis on safe and legal flight practices. Practice techniques in aerial photography, video recording, and live streaming for social media. Topics include FAA regulations, FAA Part 107 Remote Pilot license and exam information, drone registration, preflight procedures, and problem-solving flight situations. Explore career opportunities in public safety, construction, engineering, inspections, real estate, marketing, media, and delivery. Understand how AI is integrated into drone applications such as emergency response and construction. Earn the FAA TRUST Recreational Certification during this course.

Designed for both new and experienced drone users. Drones are provided in class.

CSU

BA 159

Drones for Mapping

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Discover how drones are transforming industries with hands-on training in terrain modeling, topographic mapping, and site development. Learn how to plan and fly automated missions, collect precise GPS data, and follow FAA Part 107 safety regulations. Process drone imagery with industry-standard photogrammetry software to create accurate maps and 3D models. Build real-world skills in flight planning, image capture, and data analysis. Gain awareness of how AI tools are beginning to enhance drone mapping by automating image analysis and pattern recognition. This course pairs with BA 162 Cloud GIS with ArcGIS Online, focusing on the flight and field-work side of professional drone mapping. Drones are provided in class.

CSU

BA 160

Microsoft Designer – AI Design

Formerly: Microsoft Publisher

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn how to use Microsoft Designer, an AI-powered application, to create professional business projects quickly and effectively. Students will practice producing business materials such as flyers, brochures, newsletters, and social media content using design prompts, templates, and layout tools. Emphasis is placed on applying professional business design techniques, typography, color, and visual hierarchy to create polished projects that meet current workplace standards. The course includes opportunities to use AI features to generate images, suggest layouts, and streamline the creative process for business communication.

CSU

BA 161

Drones & The Law

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

Explore the rules and real-world situations that affect drone pilots in this informative short course. Taught by a drone pilot police officer or a drone attorney, the course explains how federal, state, and local laws apply to recreational, commercial, and public safety drone users. Topics include FAA regulations, FAA TRUST Recreational and FAA Part 107 certifications, privacy and liability issues, drone insurance, and examples from actual drone-related legal cases. Discover how new technology, including AI-assisted drones, is raising new questions about privacy and responsibility. This is an informational course with no drone flying activities.

CSU

BA 162

Cloud GIS with ArcGIS Online

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Develop skills in using ArcGIS Online (AGOL) to build, manage, and share interactive maps, layers, and data in the cloud. Gain hands-on experience publishing vector data, setting symbology, configuring pop-ups, and designing web apps and dashboards. Emphasis is placed on practical applications of cloud GIS for business, public works, environmental monitoring, and public safety projects. Explore how AI tools are beginning to automate spatial data analysis and pattern recognition.

CSU

BA 163

Adobe Acrobat

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Learn to use Adobe Acrobat Pro to create, edit, secure, and optimize PDF documents for business and professional use. Apply proper techniques to build fillable forms, combine files, convert PDFs to Microsoft Office formats, add multimedia, and manage accessibility and security features. Use AI tools such as Acrobat AI Assistant to streamline editing, automate formatting, summarize and analyze content, and compare documents. Emphasis is placed on preparing professional documents for legal, business, and marketing purposes. Includes preparation for the Adobe Certified Professional (ACP) Acrobat exam, earning a certification valued by employers.

CSU

BA 164

Adobe Photoshop

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Learn to use Adobe Photoshop for professional image editing to enhance business, marketing, and creative projects. Apply photo correction, repair, and restoration along with proper file setup, masking, filters, and special effects using current standards. Use AI tools such as Generative Fill, Content-Aware, Neural Filters, and advanced selections to work faster and more effectively. Emphasis is placed on professional projects for print, web, and social media. Includes preparation for the Adobe Certified Professional (ACP) Photoshop exam, earning an industry-recognized certification that strengthens career opportunities.

CSU

BA 165

Adobe Express – Generative AI Design

Formerly: Adobe Express

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Learn to use Adobe Express, a generative AI design application, to create professional graphics, web pages, and short videos for business, marketing, and social media. Apply templates, layouts, and design tools to produce posts, flyers, and promotional materials with brand consistency. Use AI tools such as Adobe Firefly to generate images, suggest layouts, and accelerate design tasks. Emphasis is placed on efficient workflows and clear communication across digital platforms. Includes preparation for the Adobe Certified Professional (ACP) Express exam, earning a certification that validates technical skills for the workplace.

CSU

BA 166

Adobe Illustrator

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Build skills in Adobe Illustrator to design professional vector graphics for logos, infographics, marketing materials, and digital projects. Apply drawing, typography, color, and layout techniques using current standards. Use AI tools powered by Adobe Firefly, such as Generative Recolor and Text to Vector Graphic, to streamline illustration and design tasks. Emphasis is placed on applying design principles to business and creative projects.

Includes preparation for the Adobe Certified Professional (ACP) Illustrator exam, earning a certification that strengthens career opportunities.

CSU

BA 168

Adobe Firefly – Generative AI Images

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn to use Adobe Firefly, a generative AI images application, to create and edit images, text effects, and design elements for business and marketing projects. Apply prompt-based design techniques to generate visuals, enhance images, and produce professional marketing materials for digital and print use. Use AI design tools in Firefly to streamline creative workflows while addressing copyright, attribution, and ethical use of generative AI. Emphasis is placed on applying AI image generation in workplace settings and integrating Firefly with other Adobe applications for professional communication projects.

CSU

BA 169

Adobe Dreamweaver – Web Design, SEO

Formerly: Adobe Dreamweaver

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Learn to design and publish professional websites using Adobe Dreamweaver. Apply coding in HTML and CSS, manage site files, and integrate multimedia for responsive and accessible websites. Use AI tools such as code assistants and Adobe Firefly to generate layouts, accelerate coding, and enhance web design projects.

Emphasis is placed on applying current web standards, accessibility compliance, and search engine optimization (SEO) techniques. Includes preparation for the Adobe Certified Professional (ACP) Dreamweaver exam, earning a certification that validates technical skills for the workplace.

CSU

BA 170

Adobe InDesign – Page Layout

Formerly: Adobe InDesign

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Develop skills in Adobe InDesign to design and publish professional business and marketing materials. Apply page layout techniques to integrate text and graphics, manage typography, and produce multipage documents such as brochures, newsletters, and reports. Use AI tools such as Adobe Firefly to generate design elements, suggest layouts, and speed up production tasks. Emphasis is placed on prepress preparation, PDF exporting, and meeting digital publishing standards. Includes preparation for the Adobe Certified Professional (ACP) InDesign exam, earning a certification that strengthens career opportunities.

CSU

BA 171

Adobe Premiere Pro – Video Editing

Formerly: Adobe Premiere Pro

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Develop professional video editing skills in Adobe Premiere Pro for business, social media, and digital marketing videos. Apply editing techniques to import, trim, sequence, and export video while adding audio, graphics, titles, and effects. Use AI tools including auto-reframe, speech-to-text captioning, and Firefly effects to speed up editing, generate captions, and enhance visual quality. Emphasis is placed on storytelling, pacing, and producing polished content for professional video production, marketing campaigns, and workplace presentations. Includes preparation for the Adobe Certified Professional (ACP) Premiere Pro exam, earning a certification valued by employers.

CSU

BA 172

Adobe After Effects

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Create eye-catching motion graphics and visual effects using Adobe After Effects for business, digital marketing, and professional video projects. Apply techniques in animation, text effects, compositing, and special effects to produce professional- quality media that captures attention. Use AI tools such as Adobe Firefly to generate visuals, automate effects, and accelerate motion design workflows. Emphasis is placed on timing, visual storytelling, and integrating projects with Adobe Premiere Pro for polished video production. Includes preparation for the Adobe Certified Professional (ACP) After Effects exam, earning a certification that strengthens career opportunities.

CSU

BA 173

Adobe Animate

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Develop interactive animations using Adobe Animate for websites, digital marketing, and professional presentations. Apply drawing, text, and graphics animation techniques to produce infographics, animated ads, eLearning modules, and interactive media design projects. Use AI tools such as Adobe Firefly to generate artwork, assist with character design, and speed up animation workflows. Emphasis is placed on creating animations for multiple platforms, including HTML5 Canvas and mobile applications. Includes preparation for the Adobe Certified Professional (ACP) Animate exam, earning a certification that validates technical skills for the workplace.

CSU

BA 179

Microsoft Office (Word, Excel, PowerPoint)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Build professional technology skills by learning Microsoft Word, Excel, and PowerPoint in one comprehensive course. Create, edit, format, and integrate documents, spreadsheets, and presentations using current business standards. Apply skills to real-world projects such as reports, budgets, and presentations that improve productivity and workplace success. Use AI tools (e.g., Microsoft Copilot) to generate content, analyze data, and design slides more efficiently. Includes MOS certification exams in Word, Excel, and PowerPoint, earning three industry-recognized credentials valued by employers.

CSU

BA 181

Mobile & AI Apps for Business

Formerly: Everyone Can Code with Apple

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn how to use mobile and AI applications to improve productivity, communication, and creativity in today's workplace. Students will explore mobile business tools such as Microsoft Office, Google Workspace, and Adobe Express along with AI apps (e.g., Microsoft Copilot, ChatGPT, Canva AI, Google Gemini) to complete real-world projects. Instruction covers using apps across iOS, iPadOS, and Android operating systems. Emphasis is placed on collaboration, workflow management, and digital marketing strategies using mobile technology. The course highlights how emerging apps and AI features can streamline business tasks, support innovation, and prepare students for career success.

CSU

BA 182

Google Apps & Google Drive

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Use Google Apps and Google Drive to create, edit, store, and share files efficiently for business and personal use. Collaborate with Google Docs, Sheets, Slides, Forms, Meet, and Chat to complete workplace activities and integrate projects with Microsoft Office and other cloud platforms. Work with Google Workspace, Classroom (for educators), and file security practices to ensure safe and effective collaboration. Apply AI features such as Google Gemini to support productivity, generate content, and streamline digital workflows.

CSU

BA 188

Microsoft Excel

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Build essential Excel skills to create, edit, and manage business spreadsheets. Learn formulas, functions, charts, sorting, filtering, and formatting techniques using current business standards.

Apply Excel to real-world tasks such as budgeting, data organization, and reporting. Use AI tools (e.g., Microsoft Copilot) to generate formulas, analyze data, and streamline spreadsheet tasks. Includes the Microsoft Office Specialist (MOS) Excel exam, earning an industry-recognized certification valued by employers.

CSU

BA 189

Advanced Microsoft Excel

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Expand your Excel expertise by mastering advanced tools for data management and analysis. Topics include PivotTables, PivotCharts, advanced formulas and functions, data validation, workbook protection, and automating tasks with macros. Apply advanced Excel features to solve complex business problems and present professional reports. Use AI tools (e.g., Microsoft Copilot) to summarize data, provide insights, and improve decision-making. Includes the Microsoft Office Specialist (MOS) Excel Expert exam, earning an industry-recognized certification that validates advanced technical skills for employers.

CSU

BA 190

Microsoft PowerPoint

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Design professional and engaging presentations for business and marketing. Create, format, and deliver slides using animations, transitions, multimedia, charts, and infographics. Apply advanced techniques to communicate clearly with target audiences in workplace settings. Use AI tools (e.g., Microsoft Copilot, Designer) to generate layouts, suggest visuals, and streamline presentation design. Includes the Microsoft Office Specialist (MOS) PowerPoint exam, earning an industry-recognized certification valued by employers.

CSU

Chemistry (CHEM)

CHEM 109

Chemistry in the Community

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

The non-science major will study practical applications of chemistry and the chemical principles behind them including: the scientific method, atomic structure, molecular models, and chemical reactions. Environmental and community issues will be the focus of student centered laboratories, discussions and field trips. Group work and computer activities will be used in this cooperative learning environment.

CSU/UC

CHEM 115

Concepts in Physical Sciences for Educators

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

An investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. Designed for non-science majors, concepts are introduced in the lab through inquiry and further developed during discussion. (Same as PSC 115)

CSU/UC

CHEM 209 (C-ID CHEM 101)

Introductory Chemistry

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures

Basic concepts of matter: atomic structure, formulas, equation writing, nomenclature, gases and kinetic theory. Emphasizes properties of solutions, and the mole concept in quantitative chemistry. Prepares students for biology and Chemistry 219.

CSU/UC

CHEM 210 (C-ID CHEM 102)

General, Organic and Biochemistry

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CHEM 209 or

Prerequisite: A passing grade on current chemistry placement exam; and Intermediate Algebra or equivalent, or a qualifying profile based on multiple measures

An introduction to the fundamental concepts of general, organic and biochemistry for majors in nursing and other allied health majors. Includes atomic structure, nuclear chemistry, bonding, solutions, acids and bases, organic nomenclature, hydrocarbons, alcohol, aldehydes, ketones, carboxylic acids, carbohydrates, proteins, lipids, nucleic acids and metabolism.

CSU/UC

CHEM 219 (C-ID CHEM 110, C-ID CHEM 120S = CHEM 219 or 219H + CHEM 229)

General Chemistry

Unit(s): 5.000 Class Hours: 54.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CHEM 209 or

Prerequisite: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures; and a passing score on current chemistry placement test

Fundamental principles and concepts of chemistry including, but not limited to, atomic structure, quantum theory, periodic properties, stoichiometry, oxidation-reduction, molecular structure and bonding, gas laws, states of matter, solutions, chemical kinetics and chemical equilibrium.

CSU/UC

CHEM 219H (C-ID CHEM 110, C-ID CHEM 120S = CHEM 219 or 219H + CHEM 229)

Honors General Chemistry

Unit(s): 5.000 Class Hours: 54.000 Lecture total, 108.000 Lab total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CHEM 209 or Intermediate algebra or equivalent, or a qualifying profile based on multiple measures; and a passing score on current chemistry placement test. A passing score on current chemistry placement test. Cumulative GPA of 3.0. Transcripts required to verify prerequisite.

Enriched and intensive study, including seminar approach, of fundamental principles and concepts of chemistry including, but not limited to, atomic structure, quantum theory, periodic properties, stoichiometry, oxidation-reduction, molecular structure and bonding, gas laws, states of matter, solutions, chemical kinetics and chemical equilibrium.

CSU/UC

CHEM 229 (C-ID CHEM 120S = CHEM 219 or 219H + CHEM 229)

General Chemistry and Qualitative Analysis

Unit(s): 5.000 Class Hours: 54.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CHEM 219 or CHEM 219H

Continuation of Chemistry 219, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.

CSU/UC

CHEM 249 (C-ID CHEM 150, C-ID CHEM 160S= CHEM 249+ CHEM 259)

Organic Chemistry I

Unit(s): 5.000 Class Hours: 54.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CHEM 229

This course is the first semester of a year of organic chemistry. This course will cover: structure and bonding, nomenclature, descriptive chemistry, reaction mechanisms, synthetic methods and IR spectroscopy for different functional groups including alkanes, alkenes, alkynes, alkyl halides, organometallics, alcohols, and ethers. Laboratory will include: separations/purifications identification, and simple syntheses.

CSU/UC

CHEM 259 (C-ID CHEM 160S = CHEM 249 + CHEM 259)

Organic Chemistry II

Unit(s): 5.000 Class Hours: 54.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CHEM 249

This course is the second semester of a year of organic chemistry (continuation of Chemistry 249). It includes units on structure elucidation, aromatic compounds, carbonyl compounds, carboxylic acids and their derivatives, amines, and classes of biologically important compounds. More complex synthetic routes are explored. Laboratory work includes multi-step syntheses and unknown identification. Reaction mechanisms and use of spectroscopic techniques continue to be emphasized.

CSU/UC

Chicano Studies (CHST)

CHST 150

Introduction to Chicana/Chicano Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course introduces the field of Chicana/Chicano/ Chican@/ Chicanx/Xicana/Xicano/Xicanx Studies. It is designed to acquaint students with the most significant social, political, economic, and historical aspects of the Chicana/Chicano/ Chican@/Chicanx/ Xicana/Xicano/Xicanx experience in the United States. A trans-disciplinary, multisectoral, and multidimensional approach will be employed to study Chicanas/Chicanos/ Chican@s/Chicanxs/ Xicanas/Xicanos/Xicanxs various experiences and their contributions to American society and culture. This course will critically analyze the societal context in which the Chicana/Chicano/Chican@/ Chicanx/Xicana/Xicano/Xicanx have sought to maintain their culture. This course is designed to present a foundation in Chicana/ Chicano/Chican@/Chicanx/ Xicana/Xicano/Xicanx Studies.

CSU/UC

Child Development (CDEV)

CDEV C1000 (C-ID CDEV 100)

Child Growth and Development

Formerly: CDEV 107, Child Growth and Development (DS1)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Students examine the progression of development in the physical, cognitive, social, and emotional domains and identify developmental milestones for children from conception through adolescence. Emphasis is on interactions between biological processes, environmental, and cultural factors. Students may engage in various methods of observing children's development to evaluate individual differences and analyze development characteristics at various stages according to developmental theories. A student will not receive credit for this course if they have already taken Psychology 157. *Formerly: CDEV 107 - Child Growth and Development (DS1)*

CSU/UC

CDEV 108 (C-ID ECE 200)

Observation and Assessment for Early Learning and Development (DS3)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CDEV 107 By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health is required.

Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed along with strategies for collaboration with families and professionals. Students will be required to complete child observations in an early childhood lab school setting.

CSU

CDEV 110 (C-ID CDEV 110)

Child, Family, and Community (DS2)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The processes of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. (Same as APCD 110)

CSU/UC

CDEV 111A (C-ID ECE 120)

Principles and Practices of Teaching Young Children

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health is required. Historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight. Explores the typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, and professional standards. Introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children including how play contributes to children's learning, growth, and development. Students will be required to complete observations and assignments in an early childhood lab school setting.

CSU

CDEV 111B (C-ID ECE 130)

Introduction to Curriculum for Young Children

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health is required.

Developmentally appropriate curriculum and environments for children birth through age eight. Students will use knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice to plan environments and curriculum in all content areas to support children's development and learning integrated throughout the indoor and outdoor settings. Students will be required to complete observations and assignments in an early childhood lab school setting.

CSU

CDEV 112 (C-ID ECE 220)

Health, Safety, and Nutrition for Children

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teacher's role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management.

CSU

CDEV 114

Careers in Teaching

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Introduction to various professional roles in teaching, student populations, career paths, academic requirements, experience levels, and credentials required for a career in teaching. Students may participate in experiential service-learning, apprenticeship, internship, or volunteer hours in various teaching environments with teacher mentors or other professionals in the education field. Students will develop an educational plan with career objectives. (Same as Counseling 114).

CSU

CDEV 116A

Infant/Toddler Growth and Development (DS4)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: APCD 107/CDEV 107 and APCD 108/CDEV 108; verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test may be required.

A study of infants and toddlers, from conception to 36 months, including the theoretical frameworks of development, and the impact of pregnancy, birth, and early life experiences on a child emotionally, socially, cognitively, and physically. Emphasizes the role of family, culture, caring and responsive adults, and attachment relationships on growth and development.

CSU/UC

CDEV 116B

Infant and Toddler Care and Curriculum

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: CDEV 107 or APCD 107 and CDEV 108 or APCD 108 Verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test may be required.

A study of research-based approaches related to the care and education of infants and toddlers in group settings. Examines theories of learning and development, regulations, and essential practices that lead to quality care and developmentally appropriate curriculum and environments for children birth to 36 months. Emphasizes strategies to promote healthy relationships in the care and education of infants and toddlers

CSU

CDEV 120A

Development of the School-Age Child (DS5)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An examination of the physical, cognitive, personality, and social development of children between the ages of five and twelve years. Attention will be paid to the scientific study of middle childhood, developmental trends, and diversity issues. Not offered every semester. (Same as EDUC 120A)

CSU/UC

CDEV 120B

School-Age Child Care and Recreation Activities (DS5)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will focus on school-age creative activities, including planning and implementing an appropriate before/after school curriculum. Attention will be paid to integrating academics, recreation, and creative activities suitable for school-age child care programs. (Same as EDUC 120B)

CSU

CDEV 200

Introduction to Technology in Early Childhood Education

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides students with knowledge about and experience with technological tools used in early childhood settings. Students will have the opportunity to evaluate technology's impact on children's growth and development and developmentally appropriate practices. Emphasis will be on basic knowledge and practice within a wide variety of current and emerging technologies and will focus on how to integrate them into the learning environment.

CSU

CDEV 205

Introduction to Children with Disabilities or Delays

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduces the variations in development of children and adolescents with disabilities or delay. Includes an overview of historical and societal influences, laws relating to individuals with disabilities or delays, and the assessment and referral process.

Emphasizes the importance of working in partnership with families and specialists to support children's development. (Same as EDUC 203)

CSU

CDEV 206

Curriculum and Intervention Strategies for Children with Disabilities or Delays

Formerly: Curriculum and Intervention Strategies for Children with Special Needs

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CDEV 205

This covers curriculum and intervention strategies for working with children with disabilities or delays in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence.

CSU

CDEV 207

Supporting and Empowering Families of Children with Special Needs

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CDEV 205

This course will provide teachers, intervention assistants, administrators, and parents with the tools necessary to support and empower families of children with disabilities and other special needs in early childhood and school-age programs.

Techniques, strategies, and resources will be provided to support children in a natural and/or inclusive educational setting and to help guide parents to be advocates of their children.

CSU

CDEV 210

Creative Music Experiences for Young Children

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Explores musical expression through songs and ballads, the elements of music, and diverse types of instruments as used in the early childhood curriculum. Includes the study of musical growth and development in young children and the use of music as a classroom management tool.

CSU

CDEV 214

Creative Art Experiences for Children

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Emphasizes the child's (ages 2 through 8 years) ability to represent and expressively use art media. Includes theoretical as well as practical application and the role of adult in fostering creativity.

CSU

CDEV 215

Administration I: Programs in Early Childhood Education (DS6)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Twelve (12) units in early childhood education.

This course is an introduction to the administration of early childhood programs. Students will learn about program types, budget, management, regulations, laws, development and implementation of policies and procedures. Additionally, they will examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program.

CSU

CDEV 216

Administration II: Personnel and Leadership in Early Childhood Education (DS6)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Twelve (12) units in early childhood education

This course provides effective strategies for personnel management and leadership in early care and education settings. Students will learn about legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program.

CSU

CDEV 220

Understanding Child Abuse and Maltreatment

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Exploration of child maltreatment; this course is designed to address the correlation and potential effects from various forms of child maltreatment. Students will learn some of the possible identifying indicators of a child being maltreatment or potential factors that may be putting the child at risk. Factors such as the historical treatment of children, societal perspectives on children, family responsibilities, family dynamics and generational family dysfunction. Additionally, this course is intended to help students gain better understanding of child maltreatment and trauma in order to best support children. (Same as Counseling 220).

CSU

CDEV 221 (C-ID ECE 230)

Teaching in a Diverse Society

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Examines the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences on children's development, learning, and school experiences.

Strategies for developmentally, culturally, and linguistically appropriate anti-bias curriculum will be explored as well as approaches to promote inclusive and anti-racist classroom communities. Includes self-reflection on the influence of teachers' own culture and life experiences on teaching and interactions with children and families. (Same As APCD 221)

CSU/UC

CDEV 229

Brain Development and Learning

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This class explores the development of the brain for children from birth through adolescence, and how behavior and learning are affected. Brain-based learning strategies will be used to teach new ways of approaching learning, including how to understand diverse learning styles. This course is designed for educators, parents, and students who are interested in knowing more about how the brain operates and how the environment affects the brain.

CSU/UC

CDEV 230

Child Guidance and Classroom Management

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course will define and explore developmentally appropriate expectations about young children's behavior. Students will learn the importance of the educator's knowledge about discipline strategies, effective communication skills, high-quality teacher and child interactions and the development of a skill set to address behavior issues and implement discipline strategies which are in alignment with the undesirable classroom behaviors.

Behavior expectations will be defined and research-based behavioral observation skills, strategies, and assessments will be explored that best support children's various behaviors. Each student will create a community resource file of service agencies to include accessible behavior management resource materials that support teachers and students challenged with behavioral issues in the classroom. It is advised that students take this course in conjunction with working in a classroom setting.

CSU

CDEV 231

Developing Language and Literacy in Young Children

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: By the 1st week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

Designed to introduce students to basic concepts of first and second language acquisition and literacy in young children, including classroom applications.

CSU

CDEV 232

Math and Science Methods for Early Learning Environments

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduces early childhood teachers to basic math and science principles and the standards established by the National Council of Teachers of Mathematics, the National Science Content Standards for early learning environments, the Preschool/ Transitional Kindergarten Learning Foundations (PTKLF), and the Next Generation Science Standards (NGSS). This course includes theoretical and practical applications for problem-solving and critical thinking that are common in math and science curriculum. Students will develop a collection of appropriate math/science activities for early childhood environments.

CSU

CDEV 250

Adult Supervision and Mentoring in Early Care and Education

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: CDEV 215 and CDEV 216; verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test may be required.

Methods and principles of supervising, mentoring, and coaching student teachers and other adults in early care and education settings. Presents the strategies and skills necessary to support the development of adult learners as effective mentors, coaches, and teachers. Emphasis is on individualized, relationship- and strengths-based approaches, reflective practices, and constructive communication skills. Covers characteristics and roles, career requirements and pathways, and use of evaluation in setting professional learning goals.

CSU

CDEV 296 (C-ID ECE 210)

Practicum - Student Teaching Field Experience

Unit(s): 4.000 Class Hours: 36.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CDEV C1000 CDEV 108 CDEV 110 CDEV 111A CDEV 111B CDEV 221

Demonstration of developmentally appropriate early childhood program planning and teaching competencies under the supervision of CDES faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities. Students are required to complete a minimum of 108 hours in an early childhood lab school setting or approved mentor site.

CSU

CDEV 297

Analyzing and Applying Teacher Strategies in the Classroom
Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health will be required.

Recommended Preparation: 6 units of child development coursework

This course prepares pre-service early childhood and early elementary education teachers to effectively use formative and summative assessments to understand and support the developmental, academic, and social-emotional progress of young children in Preschool-Third Grade classrooms. Candidates will learn to use assessment data to inform instruction that is developmentally appropriate, intentional, and aligned with content standards. The course emphasizes the design of inclusive learning environments that integrate Universal Design for Learning (UDL) principles and apply a Multi-Tiered System of Support (MTSS) framework to address diverse learner needs.

Special attention will be given to culturally and linguistically responsive teaching practices, strategies for supporting English learners, and building strong partnerships with families. Students are required to complete 25 hours of structured observation and fieldwork experience in an approved early childhood and/or elementary school classroom setting.

CSU

CDEV 299

Work Experience - Child Development
Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire career awareness and work habits in early childhood, PK-12, and after-school programs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

Child Development - Apprenticeship (APCD)

APCD 107 (C-ID CDEV 100)

Apprenticeship Child Growth and Development (DS1)
Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Must be a state-indentured apprentice.

This course examines the progression of development in the physical, cognitive, social, and emotional domains and identifies developmental milestones for children from conception through adolescence. Emphasis on interactions between biological processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. (No credit if a student has taken Psychology 157) (Same as CDEV 107)

CSU/UC

APCD 108 (C-ID ECE 200)

Apprenticeship Observation and Assessment for Early Learning and Development
Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: APCD 107 By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health is required.

Limitations of Enrollment: Must be a state-indentured apprentice.

Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals.

CSU

APCD 110 (C-ID CDEV 110)

Apprenticeship Child, Family and Community (DS2)
Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Must be a state-indentured apprentice.

The processes of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. (Same as CDEV 110)

CSU/UC

APCD 111B (C-ID ECE 130)

Apprenticeship Introduction to Curriculum for Young Children
Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health is required.

Limitations of Enrollment: Must be a state-indentured apprentice.

Developmentally appropriate curriculum and environments for children birth through age eight. Students will use knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice to plan environments and curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings. Students will be required to complete observations in an early childhood lab school setting.

CSU

APCD 112 (C-ID ECE 220)

Apprenticeship Health, Safety and Nutrition for Young Children
Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Must be a state-indentured apprentice.

Laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teacher's role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management.

CSU

APCD 116A

Infant/Toddler Growth and Development

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: APCD/CDEV 107 and APCD/CDEV 108; verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test may be required.

Limitations of Enrollment: Must be a state-indentured apprentice.

A study of infants and toddlers, from conception to 36 months, including the theoretical frameworks of development, and the impact of pregnancy, birth, and early life experiences on a child emotionally, socially, cognitively, and physically. Emphasizes the role of family, culture, caring and responsive adults, and attachment relationships on growth and development.

CSU

APCD 205

Introduction to Children with Disabilities or Delays

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Must be a state-indentured apprentice.

Introduces the variations in development of children and adolescents with disabilities or delay. Includes an overview of historical and societal influences, laws relating to individuals with disabilities or delays, and the assessment and referral process.

Emphasizes the importance of working in partnership with families and specialists to support children's development.

CSU

APCD 221 (C-ECE 230)

Apprenticeship Teaching in a Diverse Society

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Must be a state-indentured apprentice.

Examines the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences on children's development, learning, and school experiences.

Strategies for developmentally, culturally, and linguistically appropriate anti-bias curriculum will be explored as well as approaches to promote inclusive and anti-racist classroom communities. Includes self-reflection on the influence of teachers' own culture and life experiences on teaching and interactions with children and families. (Same as CDEV 221)

CSU/UC

APCD 296 (C-ID ECE 210)

Apprenticeship Practicum - Student Teaching Field Experience

Unit(s): 4.000 Class Hours: 36.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: APCD 107 and APCD 108 and APCD 110 and APCD 111B and APCD 221 and by the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health is required.

Limitations of Enrollment: Must be a state-indentured apprentice.

Demonstration of developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities. Students are required to complete a minimum of 108 hours in an early childhood lab school setting or approved mentor site.

CSU

Chinese (CHNS)

CHNS 101

Elementary Chinese I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Practice and integration of pronunciation, grammar, vocabulary, and common idioms through listening, speaking, reading, and writing so that students can begin to express thoughts orally and in writing. The class will also introduce students to culture and social linguistic knowledge appropriate to Chinese-speaking societies.

CSU/UC

CHNS 102

Elementary Chinese II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CHNS 101 or equivalent, or two years of high school Chinese with a passing grade.

Continuation of Chinese I. Further training in language skills providing avenues for the expression of ideas in both oral and written forms. Enhanced study of culture and socio-linguistic knowledge appropriate to Chinese-speaking societies.

CSU/UC

Communication Studies (CMST)

CMST 100 (C-ID COMM 180)

Introduction to Communication Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides a foundational introduction to communication studies. Students will explore key communication theories, effective public speaking techniques—both informative and persuasive— and the principles of rhetoric. The course equips students to articulate ideas clearly across diverse contexts and audiences. Students will critically evaluate historical and contemporary speeches while practicing ethical communication to enhance awareness of diversity, equity, and inclusion.

CSU/UC

CMST 103 (C-ID COMM 150)

Introduction to Intercultural Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A general view of the sociological, psychological, and communication patterns of various cultural groups. Special emphasis on the methods, skills, and techniques necessary for effective intercultural, cross cultural, and interracial communication. Stresses the development of analytical thinking, speaking, and writing skills.

CSU/UC

CMST 103H (C-ID COMM 150)

Honors Introduction to Intercultural Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Enriched for honors students. In-depth, seminar format examination of sociological, psychological, and communication patterns of various cultural groups. Methods, skills, and techniques for effective intercultural and interracial communication. Focuses on analytical thinking, speaking, and writing skills.

CSU/UC

CMST 113

Introduction to Storytelling

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Experiencing literature through reading and oral interpretation of prose, poetry and drama. Theory and practice in the art and technique of exploring, illuminating and orally presenting the logical, emotional, and aesthetic meanings of creative literature, and of effective delivery.

CSU/UC

CMST 140 (C-ID COMM 120)

Argumentation and Debate

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides students with a foundational understanding of argumentation, debate concepts, and theories essential for constructing, analyzing, and evaluating arguments across various contexts and public speaking settings. Students will explore key principles such as Aristotle's proofs of ethos, pathos, and logos, as well as audience analysis, ethics in argumentation, and critical listening. Additionally, the course emphasizes effective verbal and nonverbal communication strategies for practical argumentation. Students will also learn to assess the strength of evidence and apply logical reasoning to develop and present compelling arguments before live audiences.

CSU/UC

CMST 145 (C-ID COMM 140)

Group Dynamics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Focuses on effective small group presenting and communication. Explores the foundational knowledge and practice of public speaking for successfully communicating informative and persuasive messages within the small group context. Introduces students to the theories, techniques, and methods of small group communication. Develops speaking, participation, and leadership skills of effective communicators within the small group setting. Provides applied practice through faculty supervised and evaluated oral group presentations delivered to a live audience, through group activities, and through project group work.

Involves weekly outside of class team meetings.

CSU/UC

CMST 150

Organizational Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course examines the theoretical foundations of communication in organizational settings. Students will explore key models, concepts, and theories of organizational communication, analyze communication dynamics within different organizational structures, and develop an understanding of the role communication plays in organizational culture, leadership, decision-making, and conflict resolution. Students focus on the theoretical perspectives such as systems theory, social information processing theory, and the communication ecology approach.

CSU/UC

CMST 151

Voice and Diction for Effective Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Basic speech and voice production. Anatomy and physiology related to respiration (breathing/loudness), phonation (sound/ pitch) and articulation (diction/clarity). Practice in improving vocal skills for effective communication. Designed for individuals who have special demands on vocal production in their vocation.

CSU/UC

CMST 206

Gender Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: CMST 101

Practical application, techniques and in-depth analysis of male and female communication regarding language usage, biological and social influences, mass media, marriage, organizations, same sex/ cross sex friendships, and education.

CSU/UC

CMST 206H

Honors Gender Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

An enriched approach in practical application, techniques, and in- depth analysis of male and female communication regarding language usage, biological and social influences, mass media, marriage, organizations, same sex/cross sex friendships, and education. Students will be required to do individual/group professor-guided research.

CSU/UC

CMST 307

Health Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CMST 101 or CMST 101H or COMM C1000 or COMM C1000H or CMST 103 or CMST 103H or CMST 145

Limitation on Enrollment: Student must be admitted to the Occupational Studies program.

Course is designed to advance knowledge of health communication theory, research and practice while providing solid foundation for understanding importance, value and impact of health communication upon patients, families, caregivers and healthcare team-members.

CMST 310

Communication and Conflict Resolution

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Students must be admitted to a baccalaureate degree program at Santa Ana College.

This course is designed to examine the causes and structure of conflict, communication strategies exhibited in conflict, and intervention principles for conflict management. An emphasis on the role of communication in the decision-making process of negotiation and bargaining will be explored.

Communication Studies (COMM)

COMM C1000 (C-ID COMM 110)

Introduction to Public Speaking

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches.

CSU/UC

COMM C1000H (C-ID COMM 110)

Introduction to Public Speaking - Honors

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations on Enrollment: A high school or college GPA of 3.0 or above.

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience, and evaluation of various types of speeches, including informative and persuasive speeches. This is an honors course.

CSU/UC

COMM C1004 (C-ID COMM 130)

Interpersonal Communication

Formerly: Introduction to Interpersonal Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course covers theory, research, and application of ethical one-to-one communication practices in various and diverse interpersonal relationships, including in personal, professional, and social situations.

CSU/UC

COMM C1004H (C-ID COMM 130)

Interpersonal Communication - Honors

Formerly: Honors Introduction to Interpersonal Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations on Enrollment: A high school or college GPA of 3.0 or above.

This course covers theory, research, and application of ethical one-to-one communication practices in various and diverse

interpersonal relationships including in personal, professional, and social situations. This is an honors course.

CSU/UC

Computer Science (CMPR)

CMPR 100

Computer, AI, & Society

Formerly: The Computer and Society

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to the area of computers with an emphasis on Artificial Intelligence, and their relationship to today's information society. Examines a broad overview of topics including hardware, software, networking, information technology, AI, and the Internet. The student will explore the implications and effect of technology/AIon society, careers, and ethics.

CSU/UC

CMPR 101

Programming Survey

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This survey course introduces students to C++ programming language. Students will code, compile and execute programs that control hardware. Students will be learning the input–process–output (IPO) model, a widely used approach in systems analysis and software engineering, that receives inputs from a user or other source, does computations of the inputs, and returns the output results from the computations.

CSU/UC

CMPR 104

Work Experience - IT Cybersecurity and Computing

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

CMPR 105

Visual BASIC Programming

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to programming and Visual BASIC. Emphasis on programming fundamentals and the creation of applications with Visual BASIC. No previous programming experience required.

Students will write programs on PC-compatible computers.

CSU/UC

CMPR 112

Java Programming

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This is an introduction Java programming course. Students will learn the Java programming language and syntax for solving problems, and utilize an integrated development environment (IDE) for developing Java applications, and Java virtual machine (JVM) to execute Java programs. The course emphasizes computer science concepts: data types, mathematical operations, I/O (input/output) operations, conditions, iterations, and functions. In addition, software design principles, practices, and utilizing structured methodologies will be covered.

CSU/UC

CMPR 113

Advanced Java

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CMPR 112

This advanced Java programming course is project-oriented. Students will get reinforced with advanced Java techniques to solve more complex problems. The course highlights the computer science object-oriented (OOP) paradigm: advanced class design, encapsulation, aggregation, inheritance and development.In addition, GUI (Graphical User Interface) programming, recursion exception and database programming will be covered.

CSU/UC

CMPR 114

Python Programming

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Students will be introduced to the syntax of Python, methods used to incorporate Python into creating business applications, and create interactive forms. Students will also learn to enhance business applications using interactive programming utilizing forms, objects, looping constructs, variables, classes, and the use of various data types.

CSU/UC

CMPR 115

Python for Data Analytics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The student will learn fundamentals for Data Analytics using Python and will learn skills such as an introduction to data analysis, understanding data, data processing, writing python code, using IPython shell, reading and writing data using Panda, interacting with databases, data manipulation, and data visualization using the library called matplotlib. This course will prepare students to become a Certified Python Data Analytics Professional.

CSU

CMPR 117

Linux Programming

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Students will be introduced to the Linux shell scripting language syntax, data types, input/output, managing system processes, system automation, and Web development.

CSU

CMPR 118

JavaScript Programming

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides students with the knowledge and skills necessary to design and develop interactive websites using the JavaScript language. Students will build dynamic websites and applications while learning programming concepts such as data types, control structures, functions, and objects. Students will learn to build basic HTML and CSS-based web pages and how to enhance these pages with JavaScript. Additionally, students are introduced to advanced JavaScript topics such as security and asynchronous programming concepts. Students are exposed to real-world examples of JavaScript and will construct interactive and dynamic client-side applications.

CSU/UC

CMPR 120 (C-ID COMP 112)

Introduction to Programming

Unit(s): 3.500 Class Hours: 54.000 Lecture total, 27.000 Lab total.

Prerequisite: Completion of intermediate algebra or higher or eligibility for transfer-level mathematics based on multiple measures.

This introduction C++ programming course is project-oriented. Students will learn the C++ programming language and syntax for solving problems, and utilize MS Visual Studio IDE (Integrated Development Environment) to edit, compile, test, debug code and deploy computer programs. The course emphasizes computer science concepts: data types, mathematical operations, I/O (input/output) operations, conditions, iterations, and functions. In addition, software design principles, practices, and utilizing structured methodologies will be covered.

CSU/UC

CMPR 121 (C-ID COMP 122)

Programming Concepts

Unit(s): 3.500 Class Hours: 54.000 Lecture total, 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CMPR 120

This intermediate C++ programming course is project-oriented. Students will get reinforced with advanced C++ techniques to solve more complex problems. The course highlights the computer science object-oriented (OOP) paradigm: design and practices class encapsulation, and advanced class constructors/ destructor, overloading class member operators, inheritance and polymorphism, Standard Template Library (STL), including strings, sequence containers, iterators, and algorithms. In addition, pointers/references and memory management, recursion and exception topics will be covered.

CSU/UC

CMPR 123

Introduction to IT and Cybersecurity

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

An introductory course with hands-on training concepts and terminology required for careers in IT and cybersecurity. Topics include responsibilities, operational policies, best industry practices, industry certifications, and demonstrations of tools and tasks.

CSU

CMPR 124A

MCDST Preparation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: CMPR 100

Study of skills needed to successfully support end-users and to successfully troubleshoot desktop environments that are running the Microsoft operating systems. Student will be provided with the skills necessary for the Microsoft Certified Desktop Support Technician (MCDST) Exams, 70-271 and 70-272.

CSU

CMPR 125

IT Help Desk Fundamentals

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introductory course focused on learning IT technical skills with hands-on experience required for entry level IT Help and Service Desk jobs. IT help desk soft skills include effective communication, analytical thinking, diplomacy, problem solving, leadership, team building, and listening skills. Students will become familiar with working in a help desk or service desk environment using ticketing systems and understanding purpose and organization. Aligns with the CompTIA ITF+ (IT Fundamentals) exam objectives.

CSU

CMPR 126

Web Frameworks Architect

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is designed for aspiring web developers and web engineers seeking to specialize in building both front-end and back-end programming websites. Learn to connect web pages to a database. Students will learn the essential concepts, techniques, and best practices to design and develop web frameworks that form the structure of modern websites.

CSU

CMPR 129 (C-ID COMP 142)

Introduction to Computer Organization

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CMPR 120

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: CMPR 121

This course presents the organization and structure of computers at hardware and software levels: analysis and synthesis of combinatorial and sequential logic, data representation and manipulation, language structures and translation, and process administration and management.

CSU/UC

CMPR 131 (C-ID COMP 132)

Data Structures Concepts

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CMPR 121

This advanced C++ Programming course is project-oriented. Students will apply experience, techniques and algorithms from previous intermediate courses, including Application of Data Structure (ADTs) and object-oriented programming to solve more advanced/complex problems. The course emphasizes data structures: dynamic arrays using vectors or pointers, linked lists (singly, doubly, and circular), stacks, a last-in-first-out (LIFO) type of arrangement), queues, a first-in-first-out (FIFO) type of arrangement, trees, heaps and graphs.

CSU/UC

CMPR 134

Microsoft Windows Operating System

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides in-depth information on the Microsoft Windows operating system with intermediate and advanced problem-solving skills required for a help desk support job and other information technology related careers. Topics include installation, configuration, application installation and management, and hardware configurations. Students will learn file and information management, security, managing user accounts, networking, system maintenance, desktop management, and utilization of cloud storage.

CSU

CMPR 136

Building a Small Office/Home Office Network

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

Plan and build a SOHO network. Students will learn about simple file-sharing networks, wireless networks, and more advanced networking technologies that connect multiple machines and devices. Students will be able to choose the networking solution that is best suited to their needs.

CSU

CMPR 137

Personal Computer Troubleshooting

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Study of techniques and methods of PC maintenance. Topics include the interaction between hardware and software, the motherboard and CPU, managing memory, disk drives, input and output and multimedia, printers, installation, management and supporting Windows, network and Internet connectivity, purchasing and building a PC, backups, viruses, and troubleshooting PC problems.

CSU

CMPR 138

CompTIA Network+ Guide to Networks

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course trains students to install, configure, and troubleshoot a computer network by applying best practices with networking protocols, media, topologies such as TCP/IP, Ethernet, wireless transmission, physical and virtual infrastructure, security, cloud computing, and troubleshooting enterprise networks. Students will be prepared to take the CompTIA Network+ certification exam.

CSU

CMPR 139

Introduction to Cloud Computing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will prepare and train students to deploy and automate secure cloud environments that support the high availability of business systems and cloud-based infrastructure services in the context of broader IT systems operations, regardless of the platform. Covers CompTIA Cloud+, Amazon AWS, and Microsoft Azure.

CSU

CMPR 140 (C-ID COMP 152)

Discrete Structures for Computer Science

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: College Algebra.

Course presents the fundamentals of discrete mathematics as applied to the computer sciences. Topics include sets, relations, functions, basic logic, proof techniques, counting, graphs, trees and probability.

CSU/UC

CMPR 152

HTML

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Learn HTML programming skills for professional web development. Topics include how to properly create and edit HTML code to build effective web page structures using elements, tags, forms, links, images, present data in tables, and HTML5 validation. Learn to integrate HTML with JavaScript and Cascading Style Sheets (CSS).

CSU

CMPR 153

A+ Essentials Hardware

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The A+ Essentials Hardware course maps to the current CompTIA A+ Core 1 exam objectives. This course covers topics related to installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing computer hardware & network troubleshooting, mobile devices, networking, security, virtualization & cloud computing, and operational procedures from basic personal computer hardware to IT infrastructure for business. Lectures and hands-on experience in structured labs are included. The A+ Essentials Hardware course teaches necessary competencies for an entry-level IT professional.

CSU

CMPR 155

A+ Essentials Software

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The A+ Essentials Software course maps to the current CompTIA A+ Core 2 exam objectives. This course covers topics related to installing, upgrading, repairing, configuring, troubleshooting, securing Windows and Linux, including command line & client support for Mac OS and mobile OSes ; virtualization & cloud computing, and operational procedures from personal computer hardware to IT infrastructure for business. Lectures and hands-on experience in structured labs are included. The A+ Essentials Software course teaches necessary competencies for an entry- level IT professional.

CSU

CMPR 158

Intro to Artificial Intelligence

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will cover the fundamentals and Ethics of Artificial Intelligence (AI). Concepts of Machine Learning, Deep Learning, Neural Networks and the Role of Data Analytics in AI. This course does not require any programming or computer science expertise and is designed to introduce the basics of AI to anyone, whether you have a technical background or not.

CSU/UC

CMPR 159

Intro to Machine Learning with Python

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will introduce how Python can be utilized in Machine Learning. Students will learn how to write scripts using Python to create algorithms for Classification, Regression, Clustering, and Dimensional Reduction.

CSU/UC

CMPR 160

Intro to Deep Learning, Neural Networks with Keras and PyTorch

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will cover topics in Deep Learning and Artificial Neural networks using an approach to real-world projects, and where computer models learn to perform classification tasks directly from images, text, or sound.

CSU/UC

CMPR 167

Microsoft Access

Unit(s): 3.000 Class Hours: 54.000 Lecture total. Relational Database Management using Microsoft Access.

Includes design, creation and maintenance of a RDBMS, reports and form generation, queries, importing and exporting data, macros and modules using Access Basic.

CSU

CMPR 168

MS SQL Database Development

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Provides an introduction to relational database fundamentals and SQL programming skills in the Microsoft environment. Topics covered include relational database architecture, database design techniques, and simple and complex query skills. This course is a continuation of CMPR-167 in utilizing Microsoft Access to analyze large amounts of information and manage related data.

CSU

CMPR 169

Structured Query Language (SQL)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course covers database concepts and the use of SQL (Structured Query Language). Topics include writing SQL scripts, designing databases, and importing / exporting data across different platforms. Completion of Computer Science 167 or equivalent is recommended.

CSU

CMPR 170

Introduction to Oracle

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Students will learn the industry-leading Relationial Database Management Systems (RDBMS) software. Topics include SQL programming and PL/SQL. Learn to manipulate and cross- reference data and show the importance of importing and exporting BIG data. Relational database development concepts using Oracle and application development using Procedural Language/Structured Query Language (PL/SQL) will be covered.

CSU/UC

CMPR 173

Introduction to Networking Technology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction of networking and virtualization technologies, including a history of LAN development and the uses and benefits of LANs and WANs. Students are introduced to LANs, WANs, and virtualization terminology, components, standards, and upper level protocols.

CSU

CMPR 175

CompTIA Security+ Guide to Network Security

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides a comprehensive overview of network and information security topics such as threats, attacks, vulnerabilities, application/data/infrastructure security, cryptography, operational/organizational security, risk management, disaster recovery, business continuity, as well as computer forensics. The contents also map to the CompTIA Security+ certification objectives to prepare students for the exam.

CSU

CMPR 177

Ethical Hacking

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides an in-depth understanding of how to protect and defend IT infrastructure. The course combines ethical hacking methodologies with the hands-on application of security tools to secure computer and other digital systems. Students are introduced to common countermeasures that effectively reduce and/or mitigate attacks. In addition, the course covers what an ethical hacker is and how important it is to protect data from cyber attacks. Students will review TCP/IP concepts and practice footprinting, scanning, enumeration, exploitation, and social engineering. Students will be prepared to take CompTIA PenTest+ and/or Certified Ethical Hacker (CEH) certification.

CSU

CMPR 198-00

Special Topics

Unit(s): 1.000-3.000 Class Hours: 18.000-54.000 Lecture total.

Courses on a variety of contemporary topics will be offered to meet the interests and needs of students in Computer Science and Computer Information Systems.

CSU

CMPR 205

Advanced Visual Basic

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CMPR 105

Advanced programming for those seeking to further develop their skills using Visual Basic programming language. Course will cover the advanced features of the Visual Basic programming language, data structures, and advanced programming techniques available with Visual Basic.

CSU/UC

CMPR 212

Designing and Integrating IoT Devices

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This is a hands-on course on design and development of an IoT system from scratch. This course explores the design of embedded IoT systems and how these systems are connected to the physical world. Learn how to design the hardware of an IoT smart device and develop the firmware using the Raspberry Pi. Topics include how to sense and control the environment using add-on components such as sensors, actuators, and expansion boards.

CSU

CMPR 213

C# Programming

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Students will learn C# object-oriented programming for databases, desktop programming, debugging, and error handling. Topics include .NET environment, inheritance, Polymorphism, and writing graphical user interfaces.

CSU/UC

CMPR 214

AI Developer I: Coding and Workflow using GenAI and LLMs

Formerly: XML Programming

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will transform your coding workflow by mastering the art of collaboration with GenAI & Large Language Models (LLMs) like GPT and Gemini. This hands-on, project-based course is designed for current developers, data scientists, and engineers who want to go beyond simple code generation and integrate AI as a powerful, productive partner in the software development lifecycle.

CSU

CMPR 215

Advanced Python Programming

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CMPR 114

This course covers the advanced features of the Python Language, such as recursive functions, iterators, lambda operators, data structures, advanced tkinter, and other advanced Python features, and libraries.

CSU/UC

CMPR 247

Windows Server Operating System

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Students will learn the installation, management, and configuration of the Windows Server operating system for managing network environments. Recommended preparation: knowledge of any client-level Windows operating system.

CSU

CMPR 248

Advanced Cloud Database Management

Formerly: Microsoft SQL Server

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides an in-depth study of advanced database concepts and practices in cloud environments. Students will learn to deploy, configure, and manage cloud-based SQL Server databases, applying best practices for architecture, security, performance optimization, backup and recovery, and data integration. The course emphasizes hands-on experience with cloud platforms, including provisioning, monitoring, and scaling databases to meet enterprise requirements. Students will also explore cloud-specific considerations such as high availability, disaster recovery, compliance, and cost management. Upon completion, students will be prepared to design, implement, and manage robust cloud database solutions in real-world organizational settings.

CSU

CMPR 380

SQL Technology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Student must be admitted to an approved baccalaureate program at a California community college.

This course is designed to equip automotive students, engineers, and professionals with the essential SQL skills needed to manage, analyze, and leverage data in the rapidly evolving automotive sector. Students will learn to build databases, perform predictive maintenance analysis, use the SQL tool to extract customed data, and more. Students will enhance data skills and empower to drive innovation and efficiency in the automotive industry through the power of SQL.

Counseling (CNSL)

CNSL N45

Orientation to College

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

Introduction to college services and programs. Identification and exploration of programs and services designed to assist students entering college credit courses.

CNSL N98

Topics

Unit(s): 0.500-3.000 Class Hours: 9.000-54.000 Lecture total.

A description of the course that will appear in the class schedule.

CNSL 100

Lifelong Understanding and Self-Development

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Integrates concepts of lifelong understanding pertaining to career choice, educational planning, and self inventory. Skills, values, and interest assessments are utilized. Emphasis is on applying psychological principles to values clarification, goal setting, and decision making. Students analyze social/cultural conditioning and explore successful strategies for living in a diverse society.

CSU/UC

CNSL 103

Educational Planning

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

This course is designed to introduce students to the process of composing an educational plan. Emphasis is placed on the objective assessment of Career/Technical Education and transfer options. Students will identify an educational pathway for Career/ Technical Education, AA/AS degree, and/or university transfer. (Pass/No Pass Only)

CSU/UC

CNSL 104

Personal and Goal Development for Educational Planning

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This course will facilitate the development of goals for educational planning. Students taking this course will receive an overview of institutional requirements for completion, university transfer, academic policies, and college resources on and off campus.

Additional topics will include student development theory, internal, and external influences on educational success, identifying motivational factors to pursue a higher education, and strategies for living a balanced life. (Pass/No Pass Only)

CSU/UC

CNSL 106

Inquiries Into Higher Education

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

A comprehensive and advanced study of selecting and completing an academic plan, developing goals and objectives, and choosing a college major. Topics include study techniques, assessing interests and skills and planning a major. (Pass/No Pass Only)

CSU/UC

CNSL 107

The Freshman Experience

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Integration of educational, socio-economic, and psychological factors that contribute to success in college. Development of personal learning style as it interfaces with the linked college classes. Development of college-level learning skills.

CSU/UC

CNSL 110

University Transfer Research

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Development and enhancement of decision-making strategies for transfer students. Identification of educational/career goals.

Analysis, comparison, and evaluation of university entrance, major, and post-graduate requirements, and student services. On- site research/field study at universities.

CSU/UC

CNSL 111

Learning Skills Development

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Application of educational/psychological principles in the development of effective learning skills for college courses. Topics include identifying diversities of cultural influence, learning style, time management, textbook study/comprehension, note-taking, research preparation, and testing.

CSU/UC

CNSL 114

Careers in Teaching

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Introduction to the teaching profession, cultural, ethnic, linguistic, and neuro-diverse student populations, career ladders and options, academic preparation, experience, credentials required for employment, utilizing career assessments, principles of goal setting, and exposure to teaching environments and teaching professionals. Students will formulate a career objective and develop an educational plan. (Same as Child Development 114).

CSU

CNSL 116

Career/Life Planning and Personal Exploration

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is designed to assist students in successfully establishing and achieving their education, career, and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills, and learning styles. Career and educational options are researched, and students are exposed to college resources and support services. Decision-making models and goal-setting techniques are examined and will be used to develop short and long term education, and career and life plans.

CSU/UC

CNSL 121

Introduction to STEM Study Skills

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This course is designed to introduce specialized study techniques for students in science, technology, engineering, and math courses. Effective learning processes will be examined through facilitated, structured peer interaction; strategies for complex problem solving; time management; and overcoming obstacles to achievement in rigorous coursework.(Pass/No Pass Only)

CSU

CNSL 122

STEM Study Strategies

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This course examines and employs advanced study techniques for students in science, technology, engineering, and math courses. Effective learning processes will be strengthened through applying emotional intelligence concepts to group and classroom study, creating an exam preparation plan and formulating long and short term goals. (Pass/No Pass Only)

CSU

CNSL 124

College Success and Personal Growth

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Analysis of the concepts related to learning and self-development as a lifelong process. Examination of human motivation from psychological, social, and physiological perspectives. An evaluation of the roles of values, ideals, and principle centered leadership in achieving balance in life.

CSU/UC

CNSL 125

Exploring Leadership

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This introductory course will examine the fundamental concepts of effective leadership through reading, discussion, research, and inventories for self -awareness and assessment. The course will prepare students to understand the importance of leadership in careers, communities, and society in general and to assume responsibilities of leadership roles in college and community settings.

CSU

CNSL 128

Introduction to Community Activism

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The study of issues facing communities and ways individuals can become involved in solving community problems. Introduces the study of communities in theory and practice: forces shaping past and present communities and issues defining contemporary communities. This course will facilitate the understanding of human beings as integrated physiological, psychological, and social entities within the context of communities and the process of change.

CSU/UC

CNSL 135

Understanding Disability - A Path to Inclusive Education

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is an introduction to principles, policies, and practices associated with inclusive education, drawing from a Disability Studies in Education lens. This course explores the intersection of disability and education from a critical perspective where students will engage in critical discussions, case studies, and practical applications, examining the historical, cultural, and societal contexts that shape inclusive education practices.

CSU/UC

CNSL 144

Reasoning and Problem Solving

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The nature of critical thinking, models, and strategies; common fallacies of reasoning, self-regulation in the thinking process; application of critical thinking to complex issues of life.

CSU/UC

CNSL 150 (C-ID SWHS 110)

Introduction to Social Work and Human Services

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The history and philosophy of social work & human services including theoretical frameworks, the function and orientation of social service organizations, and the roles and qualifications of social work and human service workers. Through a multidisciplinary approach, an examination of the impact of cultural, societal, and ethical issues facing the social work and human services field will frame how target populations are served. Through a social justice lens, special attention is given to the evolution of current service delivery systems, their policies and procedures, and the tasks of culturally responsive social workers within those settings.

CSU/UC

CNSL 155

Skills for the Helping Professions

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An exploration of processes for increasing mental flexibility and assisting people in getting resolution to life issues. Focus is on the theory and practice of methods that are based on inquiry, distinction, resolution, and integration. The role of self- responsibility and self-awareness will be emphasized.

CSU

CNSL 170 (C-ID SWHS 120A)

Social Work and Human Services Fieldwork Seminar

Formerly: Human Services/Social Work Related Field Experience Seminar

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CNSL 150 and

Corequisite: Concurrent enrollment in: CNSL 175

In conjunction with the required corequisite work experience course, students will gain insight into their future role as a Social Work and Human Services practitioner through discussion, problem-solving, reflection, and evaluation with self, instructor, supervisor, and peers. Ethical, legal, professional, and social justice issues in the field of Social Work and Human Services will be addressed. Concurrent enrollment in CNSL 175 is required.

CSU

CNSL 175 (C-ID SWHS 120B)

Social Work and Human Services Fieldwork

Formerly: Work Experience-Human Services/Social Work

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CNSL 150 and

Corequisite: Concurrent enrollment in: CNSL 170

This fieldwork course provides the opportunity for students to incorporate academic knowledge learned in the prerequisite/co- requisite courses and gain life-long skills through supervised employment within a community organization, agency, or institution within Social Work and Human Services. This course is designed to assist students in acquiring desirable work habits, attitudes, skills, and career awareness that will help them gain employment in a field related to Social Work and Human Services. With the instructor's approval, students will select their placement that supports their career goals. (Pass/No Pass Only)

CSU

CNSL 198

Topics

Unit(s): 1.000-3.000 Class Hours: 6.000-18.000 Lecture total, 108.000 Lab total.

Description of the course that will appear in the class schedule

CSU

CNSL 220

Understanding Child Abuse and Maltreatment

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Exploration of child maltreatment; this course is designed to address the correlation and potential effects from various forms of child maltreatment. Students will learn some of the possible identifying indicators of a child being maltreatment or potential factors that may be putting the child at risk. Factors such as the historical treatment of children, societal perspectives on children, family responsibilities, family dynamics and generational family dysfunction. Additionally, this course is intended to help students gain better understanding of child maltreatment and trauma in order to best support children. (same as Child Development 220).

CSU

Criminal Justice (CJ)

CJ 098

Topics Course

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Varies with topic.

CJ 101 (C-ID AJ 110)

Introduction to Criminal Justice

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces that have shaped those principles and approaches. Although justice structure and process are examined in a cross cultural context, emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies.

CSU/UC

CJ 101H (C-ID AJ 110)

Honors Introduction to Criminal Justice

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Honors-level enriched content regarding the complexities of the criminal justice system. Increased focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines and appraises the evolution of the principles and approaches utilized by the justice system and the evolving forces that have shaped those principles and approaches. Although justice structure and process are examined in a cross cultural context, increased emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students will also examine the origins and development of criminal law, legal process, and sentencing and incarceration policies.

CSU/UC

CJ 102 (C-ID AJ 200)

Introduction to Corrections

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides a history of and critical analysis of punishment, the various types of punishment, alternatives to punishment, and the impact of punishment on the criminal justice system, corrections, a critical examination of the types of correctional institutions and the clients housed in each institution, and an examination of contemporary correctional issues.

CSU/UC

CJ 103 (C-ID AJ 120)

Concepts of Criminal Law

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course offers an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice course will build. The course will also include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes.

CSU/UC

CJ 103H (C-ID AJ 120)

Honors Concepts of Criminal Law

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Honors-level enriched content that offers an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice courses will build. The course will also include some limited discussion of prosecution and defense decision-making, criminal culpability, and defenses to crimes.

CSU/UC

CJ 105 (C-ID AJ 124)

Legal Aspects of Evidence

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course examines categories of evidence and legal rules governing its admission and exclusion in the criminal process.

CSU

CJ 106

Coroner Death Investigations

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The investigation of homicides, suicides, accidents, and natural deaths. Emphasis on evidence collection and identification of cause of death. Topics include violent crime wounds, fire and electrical wounds, traffic collision fatalities, buried bodies, skeletal remains, and autopsy protocols. Field trip may be required.

CSU

CJ 107 (C-ID AJ 122)

Principles and Procedures in the Criminal Justice System

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal, utilizing statutory law and state and constitutional law precedents. (Same as Paralegal 107.)

CSU

CJ 108 (C-ID AJ 150)

Crime Scene Investigation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides an introduction to the role of forensics in criminal investigations. It examines the methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, firearms, questioned documents and controlled substances.

CSU

CJ 109 (C-ID AJ 160)

Community Interaction

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict, with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics may include the consensus and conflicting values in culture, religion, and law.

CSU/UC

CJ 109H (C-ID AJ 160)

Honors Community Interaction

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Honors-level enriched content regarding community interaction. This course examines and evaluates the complex, dynamic relationship between communities and the justice system in addressing crime and conflict, with an increased emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics will include the consensus and conflicting values in culture, religion, and law.

CSU/UC

CJ 110

Street Gangs

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An examination of street gangs in the United States, with emphasis on California and the local area. Topics include ethnic gangs, taggers, hate groups, and prison gangs, and current efforts to suppress their criminal activities, via enforcement, rehabilitation, and prevention.

CSU

CJ 120

Work Experience - Criminal Justice

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience. Background check may be required by the agency where students are completing the Work Experience hours. (Pass/No Pass Only)

CSU

CJ 148

Report Writing for Criminal Justice Personnel

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

To develop practical, precise report writing techniques as well as general writing skills applicable to law enforcement and corrections. This course is offered once each academic year, typically spring. Students should discuss enrollment with an academic counselor.

CSU

CJ 198

Topic Course

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Varies with course.

CSU

CJ 205 (C-ID AJ 140)

Criminal Investigation Principles

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course addresses the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, source of information, utility of evidence, scientific analysis of evidence and the role of the investigator in the trial process.

CSU

CJ 209

Organized Crime

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

In-depth study of the development and methodology of international organized crime. Host countries and areas include: Italy, Sicily, Japan, China, Colombia, Mexico, Russia, Haiti, Cayman Islands, and Caribbean. Emphasis on economic and societal impacts on the United States.

CSU

CJ 210

Drug Abuse and Criminal Justice

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Study of the recognition, identification, and effects of illegal drugs: opiates, marijuana, hallucinogens, depressants, and stimulants. Emphasis will also be placed on investigation techniques, use of informants, search warrants, and treatment.

CSU

CJ 220 (C-ID AJ 220)

Juvenile Delinquency and Control

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is an examination of the origin, development, and organization of the Juvenile Justice system as it evolved in the American justice system. The course explores the theories that focus on Juvenile Law, courts and processes, and the Constitutional protections extended to juveniles administered in the American justice system.

CSU

Criminal Justice Academies (CJA)

CJA 006B

Arrest and Control Training/ACT

Unit(s): 0.100-0.500 Class Hours: 1.000-3.000 Lecture total, 3.000-21.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy or equivalent as determined by discipline faculty. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Ability to legally possess a baton and firearm in the State of California. Obtaining a medical clearance and medical insurance prior to attending is strongly recommended. Ability to participate in strenuous activities such as kneeling, lying in prone position while handcuffed, handcuffing other persons, use of impact weapons, and physically controlling non-compliant or combative persons. Students will be exposed to tear gas and pepper spray.

This course builds upon the student's existing skills and knowledge in the legal, safe, and proper application of arrest and control techniques in the law enforcement environment. Instruction includes safe and proper use of ground fighting techniques, use of chemical weapons, use of non-lethal weapons, and current case law.

(Pass/No Pass Only)

CJA 006C

Controlling Force

Unit(s): 0.500-1.000 Class Hours: 6.000-20.000 Lecture total, 12.000-20.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officers Standards and Training (POST) Basic Police Academy or equivalent as determined by discipline faculty.

This course is designed to teach the students the importance of obtaining and maintaining control during a dynamic use of force involving law enforcement.

(Pass/No Pass Only)

CJA 006D

Advanced Controlling Force

Unit(s): 0.500 Class Hours: 6.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officers Standards and Training (POST) Basic Police Academy or equivalent as determined by the disciplined faculty.

This course is meant to be the foundation for law enforcement officers to expand the knowledge learned in the Controlling Force course.

(Pass/No Pass Only)

CJA 006E

Controlling Force - Instructor

Unit(s): 1.500 Class Hours: 6.000 Lecture total, 74.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officers Standards and Training (POST) Basic Police Academy or equivalent as determined by the disciplined faculty.

This course will certify peace officers to teach the controlling force curriculum to law enforcement personnel.

(Pass/No Pass Only)

CJA 007A

Gangs, Cults and Hate Crimes

Unit(s): 0.500-2.000 Class Hours: 9.000-36.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A and California POST certified peace officer.

This course covers gangs, cults and hate crimes: ethnic gangs, organized crime, current gang trends, gangs and drugs, and drug cartels. Course information is POST and/or STC approved.

(Pass/No Pass Only)

CJA 007B

Gangs, Cults, Subcultures, and Hate Crimes

Unit(s): 0.200-0.500 Class Hours: 4.000-10.000 Lecture total, 0.000-14.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A CJA 099A, or POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Course is designed to provide peace officers with current instruction on gangs, cults, subcultures, and hate crimes. Course content includes current trends, recent changes in laws, and strategies to address associated criminal activity.

(Pass/No Pass Only)

CJA 008B

Corrections Supplemental Core Course

Unit(s): 5.500 Class Hours: 93.000 Lecture total, 19.000 Lab total.

Recommended Preparation: Recommended Preparation: Students sponsored by a California law enforcement agencies should meet agency standards.

This course is designed for the corrections officer who has completed the Commission on Peace Officers Standards and Training (POST) Basic Academy. It meets the California Standards and Training for Corrections (STC) regulations for entry-level training for personnel who work in adult custodial programs and facilities.

(Pass/No Pass Only)

CJA 008C

Emergency Response Team Training

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 7.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Course is designed to enhance and review Emergency Response Team (ERT) responsibilities and protocols in compliance with Standards and Training for Corrections (STC). (Pass/No Pass Only)

CJA 008D

Emergency Response Team (ERT) Leader

Unit(s): 0.500 Class Hours: 8.000 Lecture total, 8.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

This course is designed to familiarize law enforcement officers with the roles and responsibilities of an Emergency Response Team (ERT) Leader in compliance with Standards and Training for Corrections (STC). (Pass/No Pass Only)

CJA 008E

Emergency Response Team Supervisor/Manager

Unit(s): 0.500 Class Hours: 8.000 Lecture total, 8.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

This course will familiarize the student with the supervisor and manager roles and responsibilities of an Emergency Response Team (ERT), the ERT training program, and armory. (Pass/No Pass Only)

CJA 009

Mentoring

Unit(s): 0.200-5.500 Class Hours: 4.000-80.000 Lecture total, 4.000-80.000 Lab total.

Prerequisite: Students sponsored by California law enforcement agencies must meet agency application guidelines including background investigation. Self-sponsored students must successfully complete a college interview, medical evaluation, and DOJ live scan.

This course will prepare students during the hiring and background process by sharing knowledge, skills, and experience to help the student progress to entry-level law enforcement employment. (Pass/No Pass Only)

CJA 009B

Fitness for Law Enforcement

Unit(s): 0.400 Class Hours: 2.000 Lecture total, 14.000 Lab total.

Fitness training designed specifically for law enforcement applicants and those with an interest in entering a law enforcement basic police academy program. (Pass/No Pass Only)

CJA 009C

Advanced Narcotics Training

Unit(s): 0.200-0.500 Class Hours: 4.000-10.000 Lecture total, 0.000-14.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Course is designed to cover all aspects of illegal drug enforcement, including legal updates, search and seizure updates, investigative techniques, and other topics related to the enforcement of controlled substances statutes. (Pass/No Pass Only)

CJA 009D

Drug Trends, Identification, Packaging, and Symptomology

Unit(s): 0.200 Class Hours: 3.000 Lecture total, 5.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

This course is designed to provide law enforcement professionals with the knowledge to identify and safely handle controlled substances. Report writing, evidence collection, and presumptive testing will be discussed. (Pass/No Pass Only)

CJA 009E

Narcotics Investigation

Unit(s): 2.500 Class Hours: 39.000 Lecture total, 41.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

This course is designed for sworn law enforcement officers assigned to investigate narcotic violations. The course prepares the student to identify, arrest, and successfully prosecute narcotic violators. (Pass/No Pass Only)

CJA 010

Pre-Employment Preparation for Law Enforcement

Unit(s): 2.000 Class Hours: 33.000 Lecture total, 15.000 Lab total.

This course is designed to prepare students to successfully complete a law enforcement pre-employment application and testing procedures.

CJA 010B

Supervision and Leadership

Unit(s): 1.000 Class Hours: 8.000 Lecture total, 32.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or POST certified basic law enforcement academy or equivalent as determined by the discipline faculty of the Criminal Justice Academies and consistent with POST and/or STC accreditation standards. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

Course is designed to enhance the professional knowledge of law enforcement supervisors related to leadership, supervisory skills, legal issues, and handling of workplace investigations, in accordance with California POST and STC Standards. (Pass/No Pass Only)

CJA 010D

Explorer Training Academy

Unit(s): 1.000-2.500 Class Hours: 7.000-16.000 Lecture total, 33.000-87.000 Lab total.

Prerequisite: Students sponsored by law enforcement agencies must meet agency Explorer POST application guidelines. Self-sponsored student applications will be evaluated and screened by discipline faculty to ensure students meet the requirements related to health and parental approval.

This course will prepare Law Enforcement Explorers for volunteer work at law enforcement agencies. (Pass/No Pass Only)

CJA 010F

Explorer Training

Unit(s): 0.200-2.500 Class Hours: 4.000-40.000 Lecture total, 4.000-40.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Recommended Prepapration: Students sponsored by California law enforcement agencies should meet POST Explorer candidate standards.

This course will train Law Enforcement Explorers to develop work-based experience for employment at law enforcement agencies. (Pass/No Pass Only)

CJA 011

Field Training Officer

Unit(s): 1.500 Class Hours: 21.000 Lecture total, 19.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy, or equivalent as determined by discipline faculty of the Criminal Justice Academy. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This course is designed for sworn law enforcement officers assigned to supervise and train new officers. This course meets the requirements for field training officers as defined in POST Regulation 1004. (Pass/No Pass Only)

CJA 011B

Jail Training Officer

Unit(s): 1.500 Class Hours: 21.000 Lecture total, 19.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

This course provides the standard training for the initial orientation and training of newly selected Jail Training Officers assigned to correctional facilities. This course is STC accredited.

CJA 012

Basic Homicide Investigation

Unit(s): 1.500 Class Hours: 23.000 Lecture total, 13.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or POST certified basic law enforcement academy or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This course is certified by California Peace Officer Standards and Training (POST) and meets the requirements for basic homicide investigations for California peace officers. The course is presented in cooperation with the Orange County Sheriff's Department. (Pass/No Pass Only)

CJA 012A

Search Warrant Fundamentals

Unit(s): 1.500 Class Hours: 21.000 Lecture total, 19.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or POST certified basic law enforcement academy or equivalent as determined by the discipline faculty of the Criminal Justice Academies and consistent with POST and/or STC accreditation standards. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This course provides investigators with foundational knowledge and practical skills necessary to lawfully prepare, draft, and execute search warrants. Instruction cover legal standards for probable cause and nexus, types of warrants, investigative scenario development, warrant articulation, operational planning, and tactical considerations for warrant service.

(Pass/No Pass Only)

CJA 013

Science-Based Interviewing

Unit(s): 2.000 Class Hours: 34.000 Lecture total, 6.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy, or equivalent as determined by discipline faculty of the Criminal Justice Academy. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This interactive course introduces students to science-based interviewing techniques grounded in empirical research and current legal standards. Utilizing adult-learning methodologies—including lecture, facilitation, audio/visual aids, and practical exercises—students will learn how to conduct interviews that produce reliable, accurate information. The course contrasts evidence-based practices with outdated methods historically linked to unreliable statements and false confessions. Emphasis is placed on compliance with AB 2644, including the prohibition of pseudo-scientific techniques and psychological coercion, regardless of the interviewee's age. This course is designed for criminal justice professionals seeking to improve investigative outcomes through lawful and ethical interview practices.

(Pass/No Pass Only)

CJA 015A

Sergeants Patrol Transition Course

Unit(s): 0.500 Class Hours: 5.000 Lecture total, 35.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Course is designed to prepare a police supervisor to transition to a patrol assignment. (Pass/No Pass Only)

CJA 016

Vehicle Theft for Patrol and Traffic Officers

Unit(s): 0.300 Class Hours: 2.000 Lecture total, 14.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A POST certified basic law enforcement academy or equivalent as determined by the discipline faculty of the Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

This course is certified by California Peace Officer Standards and Training (POST) and meets the requirements for advanced officer training in auto theft for patrol and traffic officers. Prior to taking this course students should have formal training and a working knowledge of patrol operations and criminal investigations. The course is presented in cooperation with the Orange County Sheriff's Department. (Pass/No Pass Only)

CJA 021

P.C. 832, Laws of Arrest

Unit(s): 1.500 Class Hours: 27.000 Lecture total, 13.000 Lab total.

This course of instruction will provide the student with a basic knowledge of law enforcement. The course will cover history of law enforcement, arrest, and search and seizure laws. This course is Peace Officer Standard Training (P.O.S.T.) certified. (Pass/No Pass Only)

CJA 021A

PC 832 Firearms

Unit(s): 0.500 Class Hours: 1.000 Lecture total, 23.000 Lab total.

Prerequisite: Students must pass DOJ Livescan and application screening by the Orange County Sheriff's Department Training Division.

This course of instruction will provide the student with a basic knowledge of firearms, as well as related safety and liability concepts. The course is Peace Officer Standard and Training certified and presented in cooperation with the Orange County Sheriff's Department. (Pass/No Pass Only)

CJA 026A

Training Academy Preparation

Unit(s): 0.200 Class Hours: 16.000 Lab total.

This course is designed to prepare the student for the Basic Law Enforcement Academy (OCSA). It will include drill, ceremony, physical training, reporting, and speeches. (Pass/No Pass Only)

CJA 029B

Bomb Technician Introduction

Unit(s): 1.500 Class Hours: 30.000 Lecture total, 10.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy or equivalent as determined by discipline faculty. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Student must possess, at minimum, a currently valid U.S. government secret clearance that authorizes them to attend this course. Student must be approved by FBI to attend this course. Student must meet FBI bomb technician requirements described in the National Guidelines for Bomb Technicians, as published by the FBI and National Bomb Squad Commanders' Advisory Board.

This course is designed for newly assigned bomb technicians. Topics include introduction to explosives, basic electricity, render-safe procedures, bomb threats, threat assessment, and post blast investigations. (Pass/No Pass Only)

CJA 029C

Active Bomber Course

Unit(s): 0.500 Class Hours: 2.000 Lecture total, 22.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A and Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy, or equivalent as determined by discipline faculty. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This course helps prepare law enforcement first responders for an active bombing incident. Topics include threat evaluation, possible deployment of lethal force, decision making, tactics, and scenarios. (Pass/No Pass Only)

CJA 029D

Homemade Explosive Course

Unit(s): 0.200 Class Hours: 4.000 Lecture total, 4.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy, or equivalent as determined by discipline faculty. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This course is designed to educate first responders on the dangers of homemade explosive devices and how to recognize bomb-making components and materials. (Pass/No Pass Only)

CJA 029E

Explosive Recognition and Response

Unit(s): 0.100 Class Hours: 2.000 Lecture total, 2.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

This course is designed to teach students how to recognize the various components of explosions, as well as recognize booby traps designed to harm first responders. (Pass/No Pass Only)

CJA 034B

Brady for Law Enforcement

Unit(s): 0.100 Class Hours: 2.000 Lecture total, 2.000 Lab total.

Course is designed to provide law enforcement personnel with instruction on the Brady Rule. (Pass/No Pass Only)

CJA 034C

Law Enforcement Update

Unit(s): 0.200-0.500 Class Hours: 4.000-8.000 Lecture total, 0.000-20.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Course is designed to provide both sworn and non-sworn law enforcement personnel with training that is mandated for their continued professional certification and employment. All instruction is either POST or STC certified. (Pass/No Pass Only)

CJA 034D

Courthouse Operations

Unit(s): 0.300 Class Hours: 4.000 Lecture total, 4.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or, POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This course is designed to prepare a peace officer to work within the court system and a courthouse environment. Instruction includes the importance of ethical conduct, professionalism, preparation, and accurate witness testimony. (Pass/No Pass Only)

CJA 034E

Continued Professional Training for Peace Officers

Unit(s): 0.200-1.000 Class Hours: 4.000-20.000 Lecture total, 4.000-20.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A POST certified basic law enforcement academy or equivalent as determined by discipline faculty and consistent with POST and/or STC accreditation standards. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This course updates and advances the student's existing knowledge and skill set associated with peace keeping and law enforcement. Instruction in evolving issues includes the safe handling of firearms, tactical shooting and movement, ground fighting, chemical weapons, government codes, penal codes, vehicle codes, health and safety codes, welfare and institution codes, and interpersonal and tactical communication, and may include additional topics determined by legislature or regional needs. (Pass/No Pass Only)

CJA 035

Continued Professional Development Training for Civilians

Unit(s): 0.100-0.200 Class Hours: 1.000-4.000 Lecture total, 3.000-4.000 Lab total.

This course updates the student's knowledge and skill set associated with providing support functions in a law enforcement agency. Instruction in current topics includes such topics as: ethics and professionalism, safety practices, drug symptomology, first aid & CPR, health and wellness, emergency response, interpersonal communication, sexual harassment, and promotion/ leadership preparation. It may include additional subjects as determined by county council mandate or regional need. (Pass/No Pass Only)

CJA 036B

Mobile Field Force Instructor Course

Unit(s): 1.000 Class Hours: 12.000 Lecture total, 28.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

This course is designed to develop teaching skills to instructors focusing on law enforcement crowd management, control, and intervention tactics. (Pass/No Pass Only)

CJA 038A

Less Lethal Weapons Update

Unit(s): 0.100-1.000 Class Hours: 1.000-6.000 Lecture total, 3.000-36.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officers Standards and Training (POST) Basic Police Academy or equivalent as determined by the disciplined faculty.

This course provides instruction on the use of less lethal weaponry in law enforcement tactical emergencies while also addressing use of force policies, the use of force continuum, fitting less-lethal weaponry within use of force consideration, weapon deployment, tactical considerations, extended range delivery systems, mechanical aspects, and suspect handling after deployment. (Pass/No Pass Only)

CJA 038B

Basic SWAT Course

Unit(s): 2.000 Class Hours: 16.000 Lecture total, 64.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Obtaining a medical clearance and medical insurance prior to attending is highly recommended. Students may be exposed to tear gas and/or pepper spray. Students should have the ability to participate in strenuous activities such as kneeling, lying in a prone position while handcuffed, handcuffing other persons, use of impact weapons, and physically controlling non-compliant or combative persons. CJA 099A and the ability to lawfully possess fully automatic firearms, explosive ordinance, and a baton in the State of California. or POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

A Peace Officer Standards and Training certified course to train peace officers to become a member of a Special Weapons and Tactics team. (Pass/No Pass Only)

CJA 038C

Firearms-Sighting Systems

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 3.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or a Passing grade in Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy or equivalent as determined by discipline faculty.

To inform students of the advantages and disadvantages and training considerations related to using a Miniaturized Red Dot Sight on a handgun. (Pass/No Pass Only)

CJA 038D

Weapon Mounted Light Transition Course

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 3.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

A California Peace Officer Standards and Training course designed to train peace officers in the use of a weapon mounted light system. (Pass/No Pass Only)

CJA 039A

First Aid/CPR Refresher

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 7.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or CJA 055B or CJA 055D or CJA 069B or Students must have current CPR and first-aid certifications from a nationally recognized institution.

This course is designed to refresh first aid and CPR skills training. (Pass/No Pass Only)

CJA 039B

First Aid Refresher

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 3.000 Lab total.

This course is designed to refresh first aid instruction for sworn and civilian law enforcement personnel. (Pass/No Pass Only)

CJA 039C

Emotional Wellness for Law Enforcement

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 3.000 Lab total.

Course is designed to help law enforcement personnel understand the impact and trauma of stress and the methodologies used to cope with various situations. (Pass/No Pass Only)

CJA 040A

Basic Peer Support Training

Unit(s): 0.400 Class Hours: 2.500 Lecture total, 13.500 Lab total.

This course is designed to prepare members of a support team to respond and effectively support the psychological recovery and resilience of law enforcement personnel following a large scale critical incident. (Pass/No Pass Only)

CJA 040B

Post Critical Incident Response for Peer Support

Unit(s): 0.200 Class Hours: 2.000 Lecture total, 6.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

This course is designed to provide members of a Peer Support Team advanced knowledge and techniques to support the psychological recovery and resilience of law enforcement personnel following a large-scale critical incident. (Pass/No Pass Only)

CJA 042A

Crisis Intervention Training I

Unit(s): 0.500 Class Hours: 10.000 Lecture total, 6.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

Student will receive specialty instruction in crisis intervention training for experienced peace officers. This course is offered in partnership with the Orange County Sheriff's Department. (Pass/No Pass Only)

CJA 042B

Crisis Intervention Training II

Unit(s): 0.200 Class Hours: 3.000 Lecture total, 5.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 042A As approved by the California Commission on Peace Officer Standards and Training; and CJA 099A as approved by the California Commission on Peace Officer Standards and Training.

Student will receive intermediate instruction in crisis intervention training for experienced peace officers. This course is offered in partnership with the Orange County Sheriff's Department. (Pass/No Pass Only)

CJA 042C

Crisis Intervention Training III

Unit(s): 0.500 Class Hours: 8.000 Lecture total, 8.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 042A as approved by the California Commission on Peace Officer Standards and Training; and CJA 042B as approved by the California Commission on Peace Officer Standards and Training; and CJA 099A as approved by the California Commission on Peace Officer Standards and Training.

Student will receive advanced instruction in crisis intervention training for experienced peace officers. This course is offered in partnership with the Orange County Sheriff's Department. (Pass/No Pass Only)

CJA 042D

Crisis Intervention Training for Dispatchers

Unit(s): 0.500 Class Hours: 10.000 Lecture total, 6.000 Lab total.

Prerequisite: Commission on Peace Officers' Standards and Training (POST) Public Safety Dispatcher Certificate and/or completion of POST Dispatcher Basic Course or equivalent as determined by discipline faculty.

Limitations of Enrollment: Eligibility for enrollment requires either the completion of the Commission on Peace Officers' Standards and Training (POST) Public Safety Dispatcher Certificate, completion of the POST Dispatcher Basic Course, or an equivalent certification as determined by discipline faculty

Student will receive instruction in crisis intervention training techniques designed for dispatchers. This course is offered in partnership with the Orange County Sheriff's Department. (Pass/No Pass Only)

CJA 042E

Crisis Intervention Training IV

Unit(s): 2.000 Class Hours: 34.000 Lecture total, 6.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 042A or equivalent POST-approved Crisis Intervention training as determined by the discipline faculty of Criminal Justice Academies and CJA 042B and CJA 042C and CJA 099A or POST certified basic law enforcement academy or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This course provides advanced, scenario-based training in crisis intervention for experienced peace officers and deputy sheriffs. The course emphasizes practical application of de-escalation strategies, mental health crisis response, legal and ethical considerations, and interagency coordination in the field. Students will analyze complex real-world incidents and demonstrate decision-making under stress through interactive exercises. This course is designed to enhance officer safety, promote community trust, and strengthen multi-disciplinary collaboration. This is a pass/no pass course. (Pass/No Pass Only)

CJA 043A

Crisis Intervention Awareness

Unit(s): 0.300 Class Hours: 5.000 Lecture total, 3.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

Student will receive crisis intervention awareness training for experienced peace officers. This course is offered in partnership with Orange County Sheriff's Department. (Pass/No Pass Only)

CJA 050

Introduction to Drone Laws

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

This course covers essential federal, state, and local laws and regulations for safe, legal drone operation. Designed for both new and experienced drone operators, it includes topics such as FAA regulations, FAA TRUST Recreational certification, Part 107 Remote Pilot certification, privacy issues, liability, drone insurance, and the enforcement of drone laws. Students will also explore legal cases and strategies. No drone flying is this course.

CJA 050A

Building a Public Safety Drone Program

Unit(s): 1.500 Class Hours: 32.000 Lecture total, 8.000 Lab total.

This course is designed to equip law enforcement personnel with the knowledge and skills to safely and lawfully develop an unmanned aerial systems public safety program. Topics include laws and regulations under the FAA Part 107; development of a policy and procedures manual; platform selection and equipment needs, and public safety mission sets. This course will include hands-on flight training and the understanding of various unmanned aerial systems available to public safety.

CJA 050B

Drones for First Responders

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 6.000 Lab total.

This course will give students the knowledge and skills to effectively conduct public safety drone missions for first responders including law enforcement, private security, fire service, marine safety, and other public agencies. Specific missions, equipment, and software programs will be introduced. Students will participate in hands on scenarios based on public safety drone missions.

(Pass/No Pass Only)

CJA 055A

Driver Training/Force Option II

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 3.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or its equivalent as determined by the discipline faculty.

A Peace Officer Standards and Training (POST) certified course designed to update peace officer skills in the area of emergency vehicle driving. (Pass/No Pass Only)

CJA 055B

Correctional Services Assistant Academy

Unit(s): 7.500-8.500 Class Hours: 30.000 Lecture total, 330.000-370.000 Lab total.

Prerequisite: Students will need to successfully complete agency written test, oral screening, physical agility test, background investigation, medical, and psychological testing.

This course is designed to train new employees' skill sets and legal requirements working in a custodial environment.

CJA 055D

Sheriff Special Officer Academy

Unit(s): 7.500-8.000 Class Hours: 15.000 Lecture total, 385.000-401.000 Lab total.

Prerequisite: Students will need to successfully complete an agency written test, oral screening, physical agility test, background investigation, medical and psychological testing. In coordination with California Peace Officer Standard and Training (POST), this course provides training and certification for new sheriff special officers. (Pass/No Pass Only)

CJA 055E

Sheriff Special Officer Transition Course

Unit(s): 2.500-3.000 Class Hours: 14.000 Lecture total, 106.000-146.00 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 055B

This course is designed to provide students with the Peace Officer Standard and Training (POST) and Standard and Training for Corrections (STC) certified training required to transition from the Custody Service Assistant position to the Sheriff Special Officer position. (Pass/No Pass Only)

CJA 055F

Correctional Service Technician Transition Course

Unit(s): 5.500-6.000 Class Hours: 89.000-98.000 Lecture total, 31.000- 42.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 069B or POST certified Correctional Officer Certification Course or equivalent

This course is designed to provide students with the P.O.S.T. certified training required to transition from the Correction Service Technician position to the Custody Service Assistant position. (Pass/No Pass Only)

CJA 058

Effective Law Enforcement Communication

Unit(s): 2.000 Class Hours: 40.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

This course is designed to provide law enforcement personnel with the knowledge, skills, and abilities to effectively communicate with the public and media across multiple platforms. (Pass/No Pass Only)

CJA 059

Law Enforcement Supervisory Course

Unit(s): 4.000 Class Hours: 68.000 Lecture total, 12.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A POST certified basic law enforcement academy or equivalent as determined by discipline faculty and consistent with POST and/or STC accreditation standards. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

CA POST approved course for law enforcement personnel newly appointed to a first-level supervisory position. Topics focus on understanding the roles of law enforcement personnel and providing appropriate training and supervision in critical field situations.

(Pass/No Pass Only)

CJA 059A

Supervising and Managing Pursuits

Unit(s): 0.500 Class Hours: 16.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A POST certified basic law enforcement academy or equivalent as determined by the discipline faculty of the Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

This course examines supervisory responsibilities and decision-making in the management of law enforcement vehicular pursuits. Emphasis is placed on legal standards, agency policy, risk assessment, officer safety, and post-incident documentation. Students analyze pursuit scenarios and apply supervisory strategies to evaluate, manage, and review pursuit incidents in accordance with public safety considerations and organizational expectations.

(Pass/No Pass Only)

CJA 060

Basic Police Motorcycle Operator Course

Unit(s): 1.500 Class Hours: 9.500 Lecture total, 70.500 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

This course provides the knowledge, skills, and proficiency needed to safely operate a police motorcycle during the performance of enforcement duties. The intention of the course is to produce a safe and confident rider for all law enforcement motorcycle duties.

(Pass/No Pass Only)

CJA 060A

Motorcycle Instructor Training Course

Unit(s): 1.500 Class Hours: 7.500 Lecture total, 72.500 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 060

This course is designed to provide experienced motorcycle officers with the knowledge, skill, and proficiency to instruct new motorcycle enforcement officers with the skills and safe practices required to operate a police or sheriff's department motorcycle.

(Pass/No Pass Only)

CJA 060B

Motorcycle Enforcement Update Course

Unit(s): 0.200 Class Hours: 1.000 Lecture total, 9.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 060 or the equivalent of course as determined by discipline faculty.

The course is designed to provide experienced motorcycle officers and deputies with the opportunity to maintain their knowledge, skills, and proficiency while operating their police motorcycle.

CJA 061

Emergency Vehicle Operator Course (EVOC)

Unit(s): 0.200-2.500 Class Hours: 4.000-40.000 Lecture total, 4.000- 40.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

Prerequisite: Commission on Peace Officers Standards and Training (POST) Basic Police Academy or equivalent as determined by the disciplined faculty.

The course will provide the trainee with the minimum topics of driver training/awareness including: basic driving principles, legal and moral aspects, defensive driving, and safe vehicle maneuvering. (Pass/No Pass Only)

CJA 066

Basic Course Requalification

Unit(s): 5.500 Class Hours: 68.000 Lecture total, 93.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or the equivalent of course as determined by discipline faculty. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Students must be free of felony convictions, possess a valid Driver's License, undergo a fingerprint and criminal history check, and obtain clearance from a licensed physician indicating capacity to participate in intensive physical activity. Students must furnish all of their own equipment, including ammunition and firearm. This course is designed to meet state requirements for persons qualifying under POST regulation 1008. Students must be physically able to participate in all classroom activities and strenuous activities, including kneeling, lying in prone position while handcuffed, handcuffing other persons, use of impact weapons, handcuffing, restraint devices, control holds, takedowns, firearm retention, firearm takeaways and physically controlling

non-compliant, resisting, and combative persons.

This course is certified by the California Commission on Peace Officers Standards and Training (POST) and re-certifies students who graduated from a basic academy more than three years ago. This course also re-certifies students who have been employed as a peace officer, who are returning after a break in service of more than three years.

(Pass/No Pass Only)

CJA 068B

Police Report Writing

Unit(s): 0.200-0.500 Class Hours: 2.000 Lecture total, 6.000-22.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy, or equivalent as determined by discipline faculty of the Criminal Justice Academy. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency.

This course focuses on essential skills such as grammar, note- taking, and organizing information for clear and accurate preliminary crime reports. It covers investigating felony and misdemeanor crimes and prepares participants for effective court testimony. The course also meets the standards set by the California Commission on Peace Officer Standards and Training (POST), ensuring compliance for law enforcement professionals.

(Pass/No Pass Only)

CJA 068C

Traffic Collision Investigation

Unit(s): 0.500 Class Hours: 3.000 Lecture total, 37.000 Lab total.

This course is designed to provide the student with the knowledge and ability to investigate traffic collisions. Prior to attending the course students should be familiar with the basic skills provided in Learning Domain #29 (Traffic Collision Investigation) from the POST basic police academy. (Pass/No Pass Only)

CJA 068D

Cybercrime Investigations for First Responders

Unit(s): 0.200 Class Hours: 2.000 Lecture total, 6.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Course is designed to provide law enforcement first responder with the knowledge and ability to respond to a cybercrime incident. Students will learn their role as a first responder, how cybercrimes are committed, identify persons to be interviewed, and how to gather and protect cybercrime evidence. This course is POST certified.

(Pass/No Pass Only)

CJA 068E

Criminal Investigations

Unit(s): 0.200-1.000 Class Hours: 4.000 Lecture total, 0.000-36.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or, POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Ability to lawfully possess a firearm and baton in the State of California.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Obtaining a medical clearance and medical insurance prior to attending is highly recommended.

Students may be exposed to tear gas and/or pepper spray. Students should have the ability to participate in strenuous activities such as kneeling, lying in a prone position while handcuffed, handcuffing other persons, use of impact weapons, and physically controlling non-compliant or combative persons.

This course is designed to provide students with state certified instruction in conducting criminal investigations. (Pass/No Pass Only)

CJA 069A

Continuing Professional Training for Corrections

Unit(s): 0.200-0.500 Class Hours: 4.000 Lecture total, 0.000-20.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or CJA 055B or CJA 055D or CJA 069B or POST certified basic law enforcement academy or equivalent as determined by discipline faculty of the Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Course covers all aspects of correctional officers training as required by the State of California (STC): Policies, legal update, case law, communication skills, transportation, arrest and control, and weapons training. (Pass/No Pass Only)

CJA 069B

Corrections Officer CORE Course Enforcement

Unit(s): 7.500-8.000 Class Hours: 110.000-120.000 Lecture total, 90.000-96.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Self-sponsored students are required to go through a screening procedure including interview, written test, medical evaluation, psychological evaluation, and DOJ Livescan. Self- sponsored students must successfully meet all prerequisites before entering the course, and will be responsible for providing their required uniforms and equipment. Students must sign information sharing, student testing, and weapons handling agreements before entering the course. Violations of these agreements may result in immediate removal from the course. Self-sponsored students' applications will be evaluated and screened by the Criminal Justice Academies Associate Dean and/or Director along with fitness instructor assessment to assure the students are sufficiently prepared.

This course is certified with Standards & Training for Corrections (STC) and meets the requirements for the Basic Corrections Officer Core Course. The course is presented in cooperation with STC accredited agencies. A medical clearance from a licensed physician indicating the capacity to participate in intensive physical training is required.

(Pass/No Pass Only)

CJA 069C

Prison Rape Elimination Act (PREA) Training

Unit(s): 0.100 Class Hours: 2.000 Lecture total, 2.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A

The course is designed to provide employees assigned to work in a custody facility with the information they need to comply with the Prison Rape Elimination Act (PREA).

(Pass/No Pass Only)

CJA 069D

Jail Security for Professional Staff

Unit(s): 0.200 Class Hours: 3.000 Lecture total, 5.000 Lab total.

Course is designed to provide non-sworn law enforcement personnel with basic skills to operate in and around a custody facility. (Pass/No Pass Only)

CJA 069E

Self-Defense Strategies

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 7.000 Lab total.

Prerequisite: Students must be physically able to participate in strenuous defensive tactics training, including kneeling, prone positions, handcuffing, and physically controlling non-compliant or combative individuals. Participants must be legally permitted to possess defensive tools such as a baton in the State of California.

Course is designed to provide law enforcement personnel with strategies to escape physical attack while working in and around a custody facility.

(Pass/No Pass Only)

CJA 076A

Police K-9 Training

Unit(s): 4.000-14.000 Class Hours: 8.000-20.000 Lecture total, 192.000-700.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Must be a current canine handler or recently selected to become a canine handler by a law enforcement agency. Commission on Peace Officers Standards and Training (POST) Basic Police Academy or equivalent as determined by the Associate Dean of Criminal Justice Academies.

Intensive training for law enforcement personnel in the handling, deployment, and care of a police service dog. Training is required for assignment as a canine officer. Curriculum includes basic handler, narcotics, and explosives instruction.

(Pass/No Pass Only)

CJA 076B

Canine Agitator Training

Unit(s): 0.300-1.500 Class Hours: 2.000-8.000 Lecture total, 14.000-72.000 Lab total.

This course is designed to provide students with instruction required to serve as an agitator in a police dog and/or sport dog training environment under the direct supervision of a canine training instructor. (Pass/No Pass Only)

CJA 083B

Arrest and Control Techniques (ACT) Instructor Training

Unit(s): 1.500 Class Hours: 9.000 Lecture total, 71.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or equivalent as determined by the discipline faculty.

This course prepares instructors and develops teaching skills focusing on arrest and control technique expertise, application, and assessment in a law enforcement instructional environment.

(Pass/No Pass Only)

CJA 083C

First Aid/ CPR/AED Instructor Training

Unit(s): 0.500 Class Hours: 2.000 Lecture total, 22.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A or equivalent as determined by the discipline faculty.

The course prepares instructors with the knowledge, skills and ability to instruct other law enforcement officers in the proper assessment and treatment of medical emergencies in a law enforcement instructional environment.

(Pass/No Pass Only)

CJA 083D

Physical Training Instructor Course

Unit(s): 1.000 Class Hours: 17.000 Lecture total, 21.000 Lab total.

This course is designed to prepare instructors focusing on physical training expertise, application, and assessment in a law enforcement instructional environment.

(Pass/No Pass Only)

CJA 083E

Academy Instructor Certification Course

Unit(s): 1.500 Class Hours: 28.000 Lecture total, 12.000 Lab total.

This course meets the curricula requirements of the POST Academy Instructor Certification Course (AICC). This course is designed to enhance the quality of instruction for POST certified courses by having students learn basics of instruction including introduction to adult learning.

(Pass/No Pass Only)

CJA 083F

Academy Instructor Certification Course Refresher

Unit(s): 1.000 Class Hours: 10.000 Lecture total, 30.000 Lab total.

Prerequisite: Prior to enrollment, student must have successfully completed the Academy Instructor Certification Course, Basic Instructor Certification Course, or the Institute of Criminal Investigations Instructor Course.

The purpose of the course is to provide facilitator skill-building opportunities and identify best practices used in presenting the Academy Instructor Certification Course (AICC) across the State of California.

(Pass/No Pass Only)

CJA 088

Campus Law Enforcement Update

Unit(s): 2.000 Class Hours: 34.000 Lecture total, 6.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 099A Commission on Peace Officer Standards and Training (POST) certified basic law enforcement academy, or equivalent, as determined by the discipline faculty of the Criminal Justice Academy. NOTE: Approval of equivalent training is not a guarantee that state regulatory or licensing agencies will also grant equivalency.

This course is designed to expand the knowledge of peace officers working a campus environment. The course will include a history of campus law enforcement, legal authority, laws and liability, responsibility in learning environment, campus conduct, emergency response tactics, and the discipline process as it relates to students.
(Pass/No Pass Only)

CJA 091A

Supervisory Leadership Institute (SLI) Block 1

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Block 1 of the Supervisory Leadership Institute (SLI) introduces first-line and mid-level law enforcement leaders to the principles of adaptive leadership, self-awareness, and professional purpose. Through guided discussion, group exercises, case studies, and reflective practice, participants examine personal values, leadership paradigms, accountability, and meaning in service. The course emphasizes the foundation of ethical leadership, the development of reflective habits, and the initiation of a personal adaptive leadership project. This course is one of eight SLI courses; completion of all eight (CJA 091A–091H) is required to earn the Certificate of Achievement. Designed for POST Supervisory Leadership Institute (SLI) cohorts.

(Pass/No Pass Only)

CJA 091B

Supervisory Leadership Institute (SLI) Block 2

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Block 2 of the Supervisory Leadership Institute (SLI) advances first-line and mid-level law enforcement leaders in adaptive leadership, ethical decision-making, resilience, and reflective practice. Through guided case studies, films, seminars, and leadership journals, participants analyze complex organizational challenges, apply adaptive leadership tools, and develop personal leadership artifacts. Topics include emotional survival and wellness, virtue ethics, adaptive leadership in action, followership, and team culture. This course is one of eight SLI courses; completion of all eight (CJA 091A–091H) is required to earn the Certificate of Achievement. Designed for POST Supervisory Leadership Institute (SLI) cohorts.

(Pass/No Pass Only)

CJA 091C

Supervisory Leadership Institute (SLI) Block 3

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Block 3 of the Supervisory Leadership Institute (SLI) continues the professional development of law enforcement supervisors through the exploration of ethical reasoning, values-based decision-making, and the dynamics of followership and leadership accountability. Students analyze ethical dilemmas and apply adaptive leadership concepts to complex supervisory challenges. Through reflective journaling, team discussions, and case studies, participants examine servant leadership, develop insight into leadership accountability, and apply moral reasoning to personal and organizational contexts. This course is one of eight SLI courses; completion of all eight (CJA 091A–091H) is required to earn the Certificate of Achievement. Designed for POST Supervisory Leadership Institute (SLI) cohorts.

(Pass/No Pass Only)

CJA 091D

Supervisory Leadership Institute (SLI) Block 4

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Block 4 of the Supervisory Leadership Institute (SLI) advances law enforcement supervisors' leadership skills through the applied study of communication, team dynamics, and organizational change. Participants analyze common barriers to effective team performance, practice effective presentation and active listening techniques, and explore strategies for principled policing and adaptive leadership. Through team projects, case studies, and reflection, students strengthen their ability to lead functional teams, facilitate dialogue, and manage change within complex law enforcement environments. This course is one of eight SLI courses; completion of all eight (CJA 091A–091H) is required to earn the Certificate of Achievement. Designed for POST Supervisory Leadership Institute (SLI) cohorts.

(Pass/No Pass Only)

CJA 091E

Supervisory Leadership Institute (SLI) Block 5

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Block 5 of the Supervisory Leadership Institute (SLI) deepens law enforcement supervisors' understanding of team dynamics, procedural justice, and ethical leadership. Through applied case studies and guided instruction, students explore courage, resilience, and moral reasoning in leadership. Participants examine groupthink, decision-making failures, and principles of fair and transparent supervision. Emphasis is placed on adaptive leadership, team trust, and the integration of procedural justice into agency culture. This course is one of eight SLI courses; completion of all eight (CJA 091A–091H) is required to earn the Certificate of Achievement. Designed for POST Supervisory Leadership Institute (SLI) cohorts.

(Pass/No Pass Only)

CJA 091F

Supervisory Leadership Institute (SLI) Block 6

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Block 6 of the Supervisory Leadership Institute (SLI) integrates diversity, ethics, and cultural proficiency into law enforcement leadership through immersive learning experiences. Students examine the intersection of leadership, bias, and moral courage by exploring historical lessons, personal narratives, and contemporary issues of equity and justice. Emphasis is placed on personal responsibility, adaptive leadership, and understanding how individual and institutional choices influence organizational culture and community trust. This course is one of eight SLI courses; completion of all eight (CJA 091A–091H) is required to earn the Certificate of Achievement. Designed for POST Supervisory Leadership Institute (SLI) cohorts.

(Pass/No Pass Only)

CJA 091G

Supervisory Leadership Institute (SLI) Block 7

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Block 7 of the Supervisory Leadership Institute (SLI) focuses on integrating prior leadership, ethics, and communication concepts through applied analysis, strategic planning, and peer collaboration. Students synthesize the SLI learning experience to develop individualized leadership philosophies and actionable strategies for organizational effectiveness. Emphasis is placed on self-assessment, transformational leadership, and the long-term application of principled decision-making in law enforcement supervision. The course culminates in reflective presentations and a capstone leadership project demonstrating professional growth, accountability, and commitment to lifelong learning. This course is one of eight SLI courses; completion of all eight (CJA 091A–091H) is required to earn the Certificate of Achievement. Designed for POST Supervisory Leadership Institute (SLI) cohorts.

(Pass/No Pass Only)

CJA 091H

Supervisory Leadership Institute (SLI) Block 8

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

Block 8 of the Supervisory Leadership Institute (SLI) serves as a culminating experience in which students present their Adaptive Leadership Projects (ALP) and demonstrate integration of leadership principles developed throughout the program. Emphasis is placed on reflection, peer feedback, and the articulation of a personal leadership philosophy and legacy. The course concludes with dialogue on continued professional growth and program evaluation. This course is one of eight SLI courses; completion of all eight (CJA 091A–091H) is required to earn the Certificate of Achievement. Designed for POST Supervisory Leadership Institute (SLI) cohorts.

(Pass/No Pass Only)

CJA 092A

Management Course Module A

Unit(s): 2.000 Class Hours: 40.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course and CJA 099A or POST-certified Basic Law Enforcement Academy or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

This course is part of three modules in the POST-certified Management Course designed for newly appointed or aspiring law enforcement managers. Students will develop leadership, organizational, and ethical decision-making skills essential for effective management in law enforcement agencies. Topics include role transition from supervision to management, organizational structure and culture, communication, liability management, and principles of strategic leadership. This course meets the California POST requirement for Management Course Module A.

(Pass/No Pass Only)

CJA 092B

Management Course Module B

Unit(s): 1.500 Class Hours: 32.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course and CJA 099A or POST-certified Basic Law Enforcement Academy or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

This course is part of three modules in the POST-certified Management Course designed for newly appointed or aspiring law enforcement managers. Students will expand their knowledge of fiscal management, personnel and legal issues, strategic planning, and critical incident leadership. Emphasis is placed on developing budgeting and financial planning skills, managing organizational risk and liability, coordinating multi-agency critical incident responses, and applying strategic planning principles to enhance agency performance. This course meets the California POST requirement for Management Course Module B.

(Pass/No Pass Only)

CJA 092C

Management Course Module C

Unit(s): 1.500 Class Hours: 32.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 059 or equivalent POST-certified Supervisory course and CJA 099A or POST-certified Basic Law Enforcement Academy or equivalent as determined by the discipline faculty of Criminal Justice Academies and consistent with POST and/or STC accreditation standards.

This course is part of three modules in the POST-certified Management Course designed for newly appointed or aspiring law-enforcement managers. Students will refine advanced leadership, communication, and organizational development skills while emphasizing personal and professional growth. Topics include leading a multi-generational workforce, wellness and resilience, critical incident stress management, and presentation of management-level projects to decision-making bodies. This course meets the California POST requirement for Management Course Module C.

(Pass/No Pass Only)

CJA 098-00

Topic Course

Unit(s): 0.100-2.000 Class Hours: 0.000-40.000 Lecture total, 0.000-40.000 Lab total.

Varies with topic.

(Pass/No Pass Only)

CJA 099

Pre-Academy

Unit(s): 2.500 Class Hours: 12.500 Lecture total, 107.500 Lab total.

Prerequisite: Students sponsored by California law enforcement agencies must successfully complete required college screening procedures including interview, medical evaluation, and DOJ Livescan. Self-sponsored students must meet all prerequisites before entering the course, and will be responsible for providing their required uniforms and equipment. Students must sign information sharing, student testing, and weapons handling agreements before entering the course. Violations of these agreements may result in immediate removal from the course.

The course is designed to familiarize students with the duties and responsibilities associated with attending a basic California Peace Officer Standard and Training (POST) police academy. Course instruction will include Drill and Ceremony, Introduction to Report Writing, Academy Protocol, Physical Training, and Program Overview.

(Pass/No Pass Only)

CJA 099A

Basic Police Academy

Unit(s): 30.000 Class Hours: 312.000 Lecture total, 688.000 Lab total.

Prerequisite: Students sponsored by California law enforcement agencies must meet P.O.S.T. hiring requirements. Self- sponsored students must successfully complete required college screening procedures including interview, written test, medical evaluation, psychological evaluation, and DOJ livescan. Self- sponsored students' applications will be evaluated and screened by Criminal Justice Academies Director and Academy Fitness Instructor to ensure students are sufficiently prepared. Self- sponsored students must meet all required prerequisites before entering or continuing the course.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CJA 010 CJA 026A CJA 099

Student will receive instruction in all areas of criminal justice, as required by California Peace Officers Standards and Training (CA POST), for entry-level law enforcement officers. This course is offered in partnership with the Orange County Sheriff's Department.

CJA 099B

Level 3 Modular Police Academy

Unit(s): 5.500-6.000 Class Hours: 71.500 Lecture total, 96.500-112.500 Lab total.

Prerequisite: Students sponsored by California law enforcement agencies must meet Peace Officers Standards and Training (POST) hiring requirements. Self-sponsored students must successfully complete required college screening procedures including interview, medical evaluation, and DOJ Livescan. Self- sponsored students must meet all prerequisites before entering the course, and will be responsible for providing their own required uniforms, equipment, and ammunition. All students must sign conduct, information sharing, student testing, and weapons handling agreements before entering the course. Violations of these agreements may result in immediate removal from the course.

The first module of the California Peace Officer Standards and Training (POST) Certified Modular Police Academy Program.

(Pass/No Pass Only)

CJA 099C

Level 2 Modular Police Academy

Unit(s): 6.500 Class Hours: 66.000 Lecture total, 153.000 Lab total.

Prerequisite: Commission on Peace Officers' Standards and Training (POST) Certified Module 3 Police Academy Program or equivalent as determined by discipline faculty. NOTE: Approval of equivalent training is not a guarantee state regulatory or licensing agencies will also grant equivalency. Students sponsored by California law enforcement agencies must meet the POST hiring requirements. Self-sponsored recruits must successfully complete the required college screening procedures including interview, medical evaluation, and DOJ Livescan. Self-sponsored students must meet all prerequisites before entering the course, and will be responsible for providing their own required uniforms, equipment, and ammunition. All students must sign conduct, information sharing, student testing, and weapons handling agreements before entering the course. Violations of these agreements may result in immediate removal from the course.

The second module of the California Peace Officer Standards and Training (CA POST) Modular Police Academy Program (Pass/No Pass Only)

Culinary Arts (CULN)

CULN 100

Introduction to Culinary Arts and Hospitality

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Practices and procedures for individuals interested in a career in the Culinary Arts, Hospitality, or allied fields with the opportunity for hands-on experience, industry visits, or networking opportunities with professionals.

CSU

CULN 101 (C-ID HOSP 100)

Introduction to Hospitality Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Overview of the Hospitality industry's structure and financial performances: food and lodging, resorts, tourism enterprises, attractions, and related operations. Focus on orientation to customer service, cultural/economic trends, and career opportunities. Same as Management 130.

CSU

CULN 110 (C-ID HOSP 110)

Food Safety and Sanitation

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Sanitation practices affecting individual operations. Prevention and control of foodborne illnesses through flow of food and HACCP management. Same as Nutrition 110.

CSU

CULN 116 (C-ID NUTR 120)

Principles of Food Preparation

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Application of scientific principles in the preparation of selected food products with emphasis on physical and chemical properties of food; methods and techniques of food preparation; factors that contribute to quality of prepared foods. Same as CULN 116.

CSU

CULN 120 (C-ID HOSP 160)

Culinary Fundamentals I

Formerly: Introduction to Culinary Skills & Principles

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: NUTR 110 or CULN 110 Food Safety and Sanitation as a corequisite for CULN 120 Culinary Foundations I is essential for ensuring that students have a solid understanding of food safety protocols before engaging in hands-on culinary work. In CULN 120, students handle raw ingredients, operate cooking equipment, and work in a fast- paced kitchen environment where foodborne illness, cross- contamination, and improper sanitation can pose serious health risks.

Recommended Preparation: Students taking Culinary Arts cooking courses must present documentation of a negative TB skin test or a normal chest x-ray taken within the past 4 years.

Students will explore the fundamental skills of food preparation, kitchen organization, and basic cooking techniques, emphasizing quality and professional standards used in a modern commercial kitchen. Laboratory work will include knife skills, stocks, broths, soups, sauces, and basic cooking techniques for vegetables, starches, meat, seafood, and poultry. Students are required to adhere to the Culinary Department's professional dress code.

CSU

CULN 130

International Cuisine

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CULN 120

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Students participating in the Culinary Arts cooking courses MUST provide proof of negative TB skin test (or normal chest x-ray within the past 4 years)

Students will explore the study of classical and modern cooking techniques associated with preparing and serving international and ethnic cuisines. Topics will reinforce the knowledge related to culinary arts, cultural appreciation, and global food trendsAdvanced knife skills, cooking techniques, mise en place, time management, organizational skills, and quality standards are emphasized.

CSU

CULN 140

Baking Fundamentals I

Formerly: Introduction to Baking & Pastry

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: CULN 110 or NUTR 110 Food Safety and Sanitation course is a corequisite for CULN 140 Introduction to Baking and Pastry. It is essential to ensure that students have a solid understanding of food safety protocols to avoid foodborne illnesses.

Recommended Preparation: Students participating in Culinary Arts cooking courses are encouraged to have a recent negative TB skin test (or normal chest x-ray within the past 4 years), as this is commonly recommended in professional kitchen environments.

This course covers fundamental baking skills for students specializing in baking and pastry making for commercial production. Production of yeast and quick breads, cakes, cookies, pies, pastries, and decorating and icings are undertaken. Gourmet baked items and pastries are produced in a time-restricted, quality-minded setting. This course is for students pursuing a career in culinary arts/culinary management and will prepare them for entry-level baking positions as bakers or pastry chefs in the food industry. Students are required to follow the professional dress code established by the Culinary Department. Students may also participate in field trips to bakeries, commercial kitchens, or industry events to enhance hands-on learning and exposure to real-world baking operations.

CSU

CULN 150

Principles of Pantry

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CULN 120 Students taking Culinary Arts cooking courses must provide proof of a negative TB skin test or a normal chest x-ray within the past four years.

This course introduces the essential skills needed for working in a restaurant pantry/garde manger station. It focuses on preparing and presenting cold dishes, covering topics such as charcuterie, sausages, sandwiches, salads, hors d'oeuvres, cold sauces, dips, and garnishes. Students will learn important skills in food preservation, curing, smoking, pickling, and techniques for creating visually appealing presentations.

CSU

CULN 160

Principles of Beverage Service

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Corequisite: Concurrent enrollment in: NUTR 110 or CULN 110 The Food Safety and Sanitation course is a corequisite for CULN 160 Principles of Beverage Service. It is essential to ensure that students have a solid understanding of food safety protocols to avoid foodborne illnesses.

Recommended Preparation: Recommended Preparation: Students taking Culinary Arts cooking courses must present documentation of a negative TB skin test or a normal chest x-ray taken within the past 4 years.

The course will cover the skills required for the Food and Beverage Management industry. It will include both theoretical and practical skills needed to recognize, suggest, and prepare various types of alcoholic and non-alcoholic beverages, including coffee, tea, and mocktails commonly served in the food service and hospitality sector. Students are required to adhere to the Culinary Department's professional dress code.

CSU

CULN 190

Food & Beverage Production Management

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CULN 110 or NUTR 110 or

The course provides students with hands-on experience and training in customer service, catering special events, dining room service, buffet presentation, food production, management, and job readiness skills.

CSU

CULN 200

Business Practices for Culinary Arts Professionals

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course offers insight into the various aspects of supervision in the hospitality industry. Supervisory roles, responsibilities, and essential managerial skills will be discussed. The goal of the course is to equip students with the necessary authoritative and decision-making skills for use in the workplace.

CSU

CULN 201 (C-ID HOSP 140)

Introduction to Hotel Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to the operating system and components of a hotel-resort facility, which includes: front office, housekeeping, food and beverage, sales and marketing, accounting, property maintenance, human/resource management and information systems.

CSU

CULN 202 (C-ID HOSP 120)

Hospitality Cost Control

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Analyzing and managing food, beverage, labor, and other costs within a hospitality operation. Emphasis on problem-solving and applying cost control techniques to maximize profits while managing expenses. Topics include establishing standards, cost- volume-profit analysis, forecasting, purchasing and storage controls, menu costing and pricing, theft prevention, and labor control.

CSU

CULN 203 (C-ID HOSP 130)

Introduction to Food & Beverage Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Techniques and management procedures are explored and developed related to commercial and institutional food and beverage facilities. Topics include functions of management, marketing, menu development, and effective cost controls in purchasing, labor, and service techniques. Same as Management 203.

CSU

CULN 205 (C-ID HOSP 150)

Hospitality Law

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The course provides students with fundamental knowledge of the U.S. legal system to help minimize potential liability and lawsuits in the hospitality industry. Same as Paralegal 205.

CSU

CULN 220

Culinary Fundamentals II

Formerly: Advanced Culinary Skills & Principles

Unit(s): 3.000 Class Hours: 27.000 Lecture total, 81.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CULN 120

Recommended Preparation: Students taking Culinary Arts cooking courses must provide proof of a negative TB skin test or a normal chest x-ray taken within the past 4 years.

This advanced cooking course covers cooking methods for major cuts of animal protein and vegetables, as well as food costing, portioning, seasoning, and presentation. The course emphasizes professionalism, sanitation, and proper work habits. By the end of the course, you will have advanced your cooking skills and will be able to apply them in a professional setting. Students are required to adhere to the Culinary Department's professional dress code.

CSU

CULN 230

Regional American Cuisine

Formerly: Healthy American Cuisine

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CULN 120

Recommended Preparation: Students taking Culinary Arts cooking courses must present evidence of a negative TB skin test or a normal chest X-ray taken within the past four years.

This course will explore the diverse culinary traditions of America, covering food identification, traditional cooking methods, and healthy alternatives. The focus will be on regional American cuisine, allowing students to prepare traditional dishes while studying the cultural influences behind them. Students are required to adhere to the Culinary Department's professional dress code. Students taking Culinary Arts cooking courses must present evidence of a negative TB skin test or a normal chest X- ray taken within the past four years.

CSU

CULN 240

Vegetarian & Vegan Cuisine

Formerly: Vegetarian Cuisine

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Corequisite: Concurrent enrollment in: CULN 120

Recommended Preparation: Students taking Culinary Arts cooking courses must provide proof of a negative TB skin test or a normal chest x-ray taken within the past 4 years.

This course introduces students to the fundamentals of preparing vegetarian (lacto, ovo-lacto), vegan, and raw foods using modern plant-based techniques. Emphasizing fresh, whole ingredients, students will create flavorful and visually appealing dishes. With a focus on sustainability and health, students will gain the skills needed to craft innovative plant-based meals that meet the demands of today's culinary industry. Students are required to adhere to the Culinary Department's professional dress code.

CSU

CULN 250

Modern and Sustainable Cuisine

Formerly: Modern Food: Style, Design, Theory And Production

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: CULN 120

Recommended Preparation: Students taking Culinary Arts cooking classes must provide proof of a negative TB skin test or normal chest x-ray taken within the past four years.

This course covers the preparation and design of modern, sustainable, and seasonal food, including Fusion, Plant-Forward, Modernist, Molecular, and Farm-to-Table cuisines. It involves demonstrating and practicing modern trends and theories of plate design. Students are required to adhere to the Culinary Department's professional dress code.

CSU

CULN 299

Work Experience - Culinary

Unit(s): 0.500-4.000 Class Hours: 27.000-216.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Six units completed in Culinary Arts or Nutrition & Food degree/certificate courses. CULN 110 NUTR 110 or

This work experience course of supervised employment assists students to acquire desirable work habits, attitudes and skills in Culinary Arts. A student can earn 0.5 to 4 units per semester, up to a maximum of 14 units total. Additionally, students must work 54 hours to earn 1 unit. Student repetition is allowed per Title 5, Section 55253. (Pass/No Pass Only)

CSU

Dance (DNCE)

DNCE 009A

Dance Laboratory I

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: By audition only or approval of instructor

Studio rehearsal time, emphasizing progressive development in the creation of dance concert productions, repertory performances, and/or choreographic projects. Beginning level assignments change every semester. 27 hour earns 0.5 unit.

Requires audition or instructor approval prior to enrollment.

(Pass/No Pass Only)

DNCE 009B

Dance Laboratory II

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 009A Requires audition or instructor approval prior to enrollment

Studio rehearsal time, emphasizing progressive development in the creation of dance concert productions, repertory performances and/or choreographic projects. Beginning- intermediate level assignments change every semester. 27 hour earns 0.5 unit. Requires audition or instructor approval prior to enrollment. (Pass/No Pass Only)

DNCE 009C

Dance Laboratory III

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 009B

Studio rehearsal time, emphasizing progressive development in the creation of dance concert production, repertory performances, and/or choreographic projects. Intermediate level assignments change every semester. 27 hour earns 0.5 unit. (Pass/No Pass Only)

DNCE 009D

Dance Laboratory IV

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 009C

Studio rehearsal time, emphasizing progressive development in the creation of dance concert production, repertory performances, and/or choreographic projects. Intermediate- advanced level assignments change every semester. 27 hour earns 0.5 unit.

(Pass/No Pass Only)

DNCE 100

Dance History and Appreciation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The development of dance in Western Europe and the U.S. from ancient times to the present. Explores dance as an emerging art form from the Renaissance to the 21st Century. Emphasizes the contemporary dance heritage of the United States.

CSU/UC

DNCE 100H

Honors Dance History and Appreciation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

An enriched honors course featuring intensive study of theatrical dance development in Western Europe and the U.S. from ancient times to the present. Utilizes writing, reading, critical thinking skills, required research, and student-initiated discussions in a seminar setting to explore dance history from cultural and aesthetic points of view.

CSU/UC

DNCE 101

Dance as Communication

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to how humans communicate through dance and perceive dance as communication by analyzing body language, nonverbal communication styles, multiple intelligences, and emotional expression. Students participate in written exercises and activities designed to enhance movement analysis tools to describe dance and interpret its meaning.

CSU/UC

DNCE 102

Introduction to Dance Forms

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

An introduction to historical and contemporary dance forms through lecture and activity. Experience in ballet, modern, jazz, hip-hop, improvisation, folk, ethnic and/or ritual dance styles.

Recommended for future teachers.

CSU/UC

DNCE 104

History and Appreciation of Screendance

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to screendance as an art form and exploration of its historical development. Analyzation and appreciation of early screendance practices and their cultural, social, technical, and artistic impact on present day approaches. Students will engage in the viewing of visual aides and will participate in written exercises and discussions to identify and examine components of screendance.

CSU/UC

DNCE 105

World Dance and Cultures

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Dance around the world is studied in its cultural/social context. Emphasis on the different ways dance is used to express ideas about religion, cultural identity, myths, and social ideals. Includes cultures from Africa, Asia, Europe, India, Latin America, Middle East, and North America, plus a focus on Southern California.

CSU/UC

DNCE 106A

Introduction to Modern Dance - I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

An introduction to modern dance emphasizing movement technique, dance vocabulary, and creative individual expression. Includes an introduction to choreographic principles and the historical/cultural context of American modern dance. For the student with little or no dance experience.

CSU/UC

DNCE 106B

Introduction to Modern Dance - II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

A continued study of introduction to modern dance emphasizing movement technique, dance vocabulary, and creative individual expression. Includes fundamental choreographic principles and cultural context of American modern dance. Dance 106B is a refinement of skills learned in Dance 106A.

CSU/UC

DNCE 107A

Dance Concert Performance - I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 45.000 Lab total.

Prerequisite: Audition.

Formal dance concert performance experience for dance students. Includes both rehearsal process and a minimum of three on-stage public performances. (Pass/No Pass Only)

CSU/UC

DNCE 107B

Dance Concert Performance - II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 45.000 Lab total.

Prerequisite: By audition only.

A continued refinement of dance concert performance experience for dance students. Includes both rehearsal process and a minimum of three on-stage public performances.(Pass/No Pass Only)

CSU/UC

DNCE 107C

Dance Concert Performance - III

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 45.000 Lab total.

Prerequisite: By audition only.

Formal dance concert performance experience with intermediate skills through small group, duet and/or solo repertoire. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment. (Pass/No Pass Only)

CSU/UC

DNCE 107D

Dance Concert Performance - IV

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 45.000 Lab total.

Prerequisite: By audition only.

Formal dance concert performance experience with intermediate-advanced skills through duet and/or solo repertoire. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment.

(Pass/No Pass Only)

CSU/UC

DNCE 108A

Introduction to Ballet - I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Introduction to basic ballet emphasizing movement technique, dance vocabulary, and creative individual expression. Student learns basic ballet-barre exercises, center work, and short dance works. Includes an introduction to choreographic principles and cultural context of ballet. Prepares the student for Dance 108B.

CSU/UC

DNCE 108B

Introduction to Ballet - II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Continuation of instruction in basic ballet technique, dance vocabulary, and creative individual expression. Student learns ballet-barre exercises, center work, and short dance works.

Includes choreographic principles and cultural context of ballet. CSU/UC

DNCE 109A

Pilates Mat I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

An introduction to the mat exercises developed by Joseph Pilates to build strength, stability, coordination, and control in the core muscles of the body. Applicable to dance and general body conditioning.

CSU/UC

DNCE 109B

Pilates Mat II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 109A

Continued refinement of skills learned in Pilates Mat I with an emphasis on building strength, stability, coordination, and control in the core muscles of the body. Applicable to dance and general body conditioning. CSU/UC

DNCE 109C

Pilates Mat III

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 109B

Intermediate level course in the mat exercises developed by Joseph Pilates to build strength, stability, coordination, and control in the core muscles of the body. Applicable to dance and general body conditioning.

CSU/UC

DNCE 110

Beginning Mexican Folk Dance

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Introduces techniques, forms, and regional/historical backgrounds of dances from various regions of Mexico.

CSU/UC

DNCE 111

Intermediate Mexican Folk Dance I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 110

Continued study of techniques, forms, and regional/historical backgrounds of dances from various regions of Mexico. Students will perform more complex traditional dances.

CSU/UC

DNCE 112A

Introduction to Ethnic Dance Forms

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Introduction to the dance movement and techniques of selected ethnic group(s) with emphasis on skill development and cultural/historical context. Focus may be chosen from African dance, Asian court or folk dance, dance forms from India, European folk dance, Polynesian dance forms, or other ethnic dance forms. No experience necessary.

CSU/UC

DNCE 113A

Introduction to Flamenco Dance - I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Introduction to dance movements, techniques, and terminology of Flamenco dance, music, rhythms, and song. Emphasis on dance skills and the cultural relationship between Spain and the Gypsies. Prepares the student for Dance 113B.

CSU/UC

DNCE 113B

Introduction to Flamenco Dance - II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 113A

Continued study of Flamenco culture through dance, music, and song, with emphasis on particular rhythms. Students will explore the dynamics and structure of these rhythms and learn a choreographed dance.

CSU/UC

DNCE 114

Conditioning for Dance

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

A course that utilizes a variety of modalities and approaches in conditioning exercises for dancers to enhance their technique and performance while practicing injury-prevention strategies.

CSU/UC

DNCE 115A.

Tap Dance Fundamentals I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Introduction to basic tap dance technique. Focuses on the mastery of basic tap steps and simple dance combinations.

Recommended for theatre and dance majors. Dance 115A prepares the student for Dance 115B. For the student with little or no dance experience. Field trips may be required. Previous Title: Dance 115A, Introduction to Tap Dance (2017)

CSU/UC

DNCE 118

Introduction to Caribbean and Latin Dance Styles

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

An introduction to Caribbean and Latin social dance styles, including musicality, partnering, and patterns. Emphasis is on movement technique, vocabulary and creative expression.

Historical and contemporary forms such as Salsa, Merengue, Rhumba, Cumbia and Tango are studied.

CSU/UC

DNCE 119A

Introduction to Jazz Dance - I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Introduction to jazz dance technique emphasizing elementary movement technique, vocabulary, and creative expression.

Includes an introduction to composition and cultural context of jazz dance. For students with little or no dance experience.

CSU/UC

DNCE 119B

Introduction to Jazz Dance - II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

A refinement of basic jazz dance, emphasizing movement technique, vocabulary, and creative expression. Includes

composition, the cultural context of jazz dance, and contemporary jazz dance forms. Movement repertoire differs from 119A.

CSU/UC

DNCE 120A

Introduction to Hip-Hop Dance

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

An introduction to hip-hop dance emphasizing movement technique, dance vocabulary and creative expression. Includes learning routines and the history and culture of hip-hop dance. No prior experience necessary.

CSU/UC

DNCE 120B

Introduction to Hip Hop Dance II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 120A

A continuation of the study of Hip Hop dance emphasizing movement technique, dance vocabulary and creative expression. Includes more complicated movements, advanced dance combinations and an overview of the historical and cultural context of Hip Hop. DNCE 120A recommended.

CSU/UC

DNCE 122A

Commercial Dance I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Instruction for the beginning level dance student in commercial dance including technical steps, styles, audition techniques, and performance skills. The course focuses on level I skill set necessary for the preparation of dancing in commercial settings such as entertainment industries, cruise liners, music videos, mainstream entertainment productions, etc. DNCE 122A prepares the student for DNCE 122B.

CSU/UC

DNCE 122B

Commercial Dance II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 122A

Continued instruction for the beginning level dance student in commercial dance including the technical steps, styles, audition techniques, and performance skills. The course focuses on level II skill set necessary for preparation in dancing in commercial settings such as entertainment industries, cruise ships, music videos, mainstream entertainment productions, etc. DNCE 122B utilizes additional dance combination work and prepares the student for DNCE 125A.

CSU/UC

DNCE 123

Introduction to Salsa Dance

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

An introduction to Salsa dance including musicality, partnering, and foot patterns. Emphasis is on movement technique, dance vocabulary, social dance etiquette, and short compositional sequences. Historical and cultural context are studied.

CSU/UC

DNCE 124A

Salsa Dance I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

A beginning level study in salsa dance, including musicality, partnering, and patterns. Emphasis is on movement technique, vocabulary, and expression with more complex patterns, and dance combinations. DNCE 123A/B Introduction to Salsa recommended. Dance 124A utilizes additional combination work and prepares the student for Dance 124B.

CSU/UC

DNCE 125A

Commercial Dance III

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 122B

Instruction in commercial dance including the technical steps, styles, audition techniques, and performance skills. The course focuses on level III skill set necessary to be a successful dancer in commercial settings such as entertainment industries, cruise ships, music videos, mainstream entertainment productions, etc. Dance audition preparations and resume development are included in coursework. DNCE 125A utilizes additional dance combination work and prepares the student for DNCE 125B.

CSU

DNCE 125B

Commercial Dance IV

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 125A

Continued instruction in commercial dance including the technical steps, styles, audition techniques, and performance skills. The course focuses on level IV skill set necessary to be a successful dancer in commercial settings such as entertainment industries, cruise ships, music videos, mainstream entertainment productions, etc. Dance audition preparations, entrepreneurial and networking skills, and resume development are included in coursework.

CSU

DNCE 126A

Latin Ballroom Fundamentals I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

This is a beginning level class learning closed choreography routines for the five Latin competition dances: Cha Cha, Samba, Rumba, Paso Doble, and Jive. The goal is to develop foundational technical skills while also expressing the character of each dance. Students will practice the basic choreographic routines for these dances and will be expected to perform them in exhibitions and showcases. This course is a preparation for advancing to DNCE 126B.

CSU/UC

DNCE 126B

Latin Ballroom Fundamentals II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 126A

Continued studies of Latin Ballroom Fundamentals that focuses on learning closed Bronze, Silver, and Gold choreography of the five Latin competition dances: Cha Cha, Samba, Rumba, Paso Doble, and Jive. Students will study the body mechanics, timing, footwork, partnering, style and emotion of this dance category at the beginning-intermediate level. The students will apply this training to warm up routines, school figures, and choreography in a classroom competition and showcase setting.Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 126A. This course is a preparation for advancing to DNCE 226A.

CSU/UC

DNCE 127A

Standard Ballroom I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

This is a beginning level class that focuses on the technique, rhythms, and characteristic stylings of the five International Standard Ballroom competition dances - Waltz, Tango, Viennese Waltz, Foxtrot, and Quickstep. This training will be applied to syllabus figures and routines for performing with a partner.

Students will perform these closed routines in a classroom competition and showcase setting.

CSU/UC

DNCE 127B

Standard Ballroom II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 127A

Continued studies of Standard Ballroom that focuses on learning closed Bronze, Silver, and Gold choreography in the five International Ballroom competition dances of Waltz, Tango, Viennese Waltz, Foxtrot, and Quickstep. Students will study the body mechanics, timing, footwork, partnering, style and emotion of this dance category. The students will apply this training to warm up routines, school figures, and choreography in a classroom competition and showcase setting.

CSU/UC

DNCE 133A

Musical Theatre Dance Techniques I

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 219A or DNCE 250A

This is a beginner level course that covers a variety of dance genres and styles used in musical theatre with an emphasis on basic skills for ensemble dancing roles and character development. Study also focuses on the styles and contributions of major musical theatre choreographers and performers from the Golden Age to current musical theatre trends, and the audition process as a dancer related to musical theatre.

CSU/UC

DNCE 133B

Musical Theatre Dance Techniques II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 133A

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 219B or DNCE 250B

Continued study in beginning level musical theatre dance techniques. Further development in technical skills and creative expression is emphasized to increase basic skill sets for ensemble dancing roles and character development. Study focuses on the styles and contributions of major musical theatre choreographers and performers from the Golden Age to current musical theatre trends, and the audition process as a dancer related to musical theatre.

CSU/UC

DNCE 140A

Dance Repertory Workshop I

Formerly: DNCE 140, Dance Repertory Workshop

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Intensive course which emphasizes learning selected repertory. Students learn one or more complete choreographic works of concert quality with instruction in specific performance styles, culminating in a public performance.

CSU/UC

DNCE 140B

Dance Repertory Workshop II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 140A

Continued training in selected dance repertory. Students learn one or more complete choreographic works of concert quality with instruction in specific performance styles, culminating in a public performance.

CSU/UC

DNCE 180

Professional Studio Practices

Unit(s): 2.000 Class Hours: 36.000 Lecture total, 36.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 122B or DNCE 201B DNCE 206B or DNCE 219B

Learn the procedures, management, and expectations of working in private dance studios. Applicable for both the dance educator and the professional dancer.

CSU

DNCE 199

Independent Study

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Divisional approval. To be eligible for independent study a student must be concurrently enrolled in at least one other class at either Santa Ana College or Santiago Canyon College and must show evidence of competence in his academic major and the area in which he proposes to do independent study. (SAC catalog)

Directed field experience, research, or development of skills and competencies.

DNCE 201A

Ballet I

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Beginning level I ballet technique and terminology, including basic barre work, center work, and combinations en diagonale. Includes basic alignment, use of turnout, coordination, and ballet terminology. Dance 201A prepares the student for Dance 201B.

CSU/UC

DNCE 201B

Ballet II

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 201A

Continuation of beginning ballet technique and terminology, including barre work, center work, and combinations en diagonale. Includes basic alignment, use of turnout, coordination, and ballet terminology for level II. Dance 201B utilizes additional combination work and prepares the student for Dance 213.

CSU/UC

DNCE 201C

Ballet III

Formerly: DNCE 213 Ballet III

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 201A and DNCE 201B

Continued study of ballet technique and terminology of the intermediate level III. Course includes center adagio, jumps with beats, pirouettes, and movement combinations. Intermediate variations are also learned and performed in class.

CSU/UC

DNCE 201D

Ballet IV

Formerly: DNCE 214 Ballet IV

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 201A and DNCE 201B and DNCE 201C

Continuing study of technique and terminology at the intermediate-advanced level. Emphasizes longer, more intricate movement combinations and development of balletic style.

Stresses expression and technique at intermediate-advanced level. Includes ballet history and comparisons of various ballet styles.

CSU/UC

DNCE 202A

Choreography I

Formerly: Choreography

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Any dance course with an emphasis on dance and movement technique is recommended with a minimum grade of C.

This is an introductory level course in choreography that defines and explores the fundamental elements involved in creating a dance. Students will develop basic choreographic skills and apply those skills to express their ideas through dance movement.

Compositions created by students will be performed in the studio. Open to non-majors.

CSU/UC

DNCE 202B

Choreography II

Formerly: Choreography for Dance Majors

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 202A

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Any dance course with an emphasis on dance and movement technique is recommended with a minimum grade of C.

A continued study of choreography which defines and explores the compositional elements involved in creating a dance. Students will continue to develop choreographic skills emphasizing individual expression of ideas demonstrated in more advanced- level assignments of solo and group compositions. Compositions are created and performed in the dance studio and may be presented in an informal concert setting. This course is a prerequisite prior to choreographing a full-length dance in DNCE 204B.

CSU/UC

DNCE 204A

Dance Production I

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: By audition only.

Concert dance production experience culminating in public performances in Phillips Hall Theatre as part of the Spring Student/Faculty Dance Concert. Includes production basics, with an emphasis on performance techniques and working with faculty/student choreographers to create original dances. By audition only prior to enrollment.

CSU/UC

DNCE 204B

Dance Production II

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 202B or by audition only

Concert dance production experience culminating in public performances in Phillips Hall Theatre as part of the Spring Student/Faculty Dance Concert. Includes production basics, with an emphasis on choreography to create original dances. By audition only prior to enrollment.

CSU/UC

DNCE 204C

Dance Production III

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: By audition only

Continued study and refinement of concert dance production experience culminating in public performances in Phillips Hall Theater as part of the Spring Student/Faculty Dance Concert. Includes production elements, with an emphasis on performance techniques and working with student and/or faculty choreographers to create original dances. By audition only prior to enrollment.

CSU/UC

DNCE 204D

Dance Production IV

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: By audition only

Continued refinement and development of concert dance production experience culminating in public performances in Phillips Hall Theater as part of the Spring Student/Faculty Dance Concert. Includes production elements with an emphasis on choreography to create original dances. By audition only prior to enrollment.

CSU/UC

DNCE 205A

Dance Touring Ensemble I

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Audition.

Pre-professional ensemble to provide performance experience in various settings such as high school lecture presentations, dance festivals, or off-campus performing venues. For advanced students. Repertoire and casting vary each semester. Requires audition prior to enrollment.

CSU/UC

DNCE 205B

Dance Touring Ensemble II

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: By audition only

Pre-professional ensemble to provide continued performance experience in various settings such as high school lecture presentations, dance festivals, or off-campus performing venues. For advanced students. Repertoire and casting vary each semester. Requires audition prior to enrollment.

CSU/UC

DNCE 205C

Dance Touring Ensemble III

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: By audition only

Pre-professional ensemble to provide performance and teaching experience in various settings such as high school lecture- presentations, dance festivals, or off-campus performing venues. Emphasis on rehearsal directing, co-teaching, and leadership roles for advanced students. Repertoire and casting vary each semester. Requires audition prior to enrollment.

CSU/UC

DNCE 205D

Dance Touring Ensemble IV

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: By audition only

Pre-professional ensemble to provide continued performance and teaching experience in various settings such as high school lecture-presentations, dance festivals, or off-campus performance venues. Emphasis on continued experiences in rehearsal directing, co-teaching, and leadership roles for advanced students.

Repertoire and casting vary each semester. Requires audition prior to enrollment.

CSU/UC

DNCE 206A

Modern Dance I

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

A beginning level modern dance class emphasizing movement technique, dance vocabulary, and creative individual expression. Includes an introduction to choreographic principles and cultural context of modern dance. Students learn modern dance exercises and short dance combinations. Prepares the student for Dance 206B.

CSU/UC

DNCE 206B

Modern Dance II

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 206A

Continued study in modern dance emphasizing movement technique, dance vocabulary, and creative individual expression. Includes an introduction to somatic approaches to dance training to support body connectivity. Dance 206B is a continuation and refinement of learning longer dance combinations at the beginning-intermediate level.

CSU/UC

DNCE 209

Modern Dance III

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 206A or

Provides the continuing modern dance student opportunity to concentrate on more advanced steps and development of technical skills and somatic approaches to dance at the intermediate level. Emphasizes combinations, choreography, and performance style. Dance 206A/B recommended.

CSU/UC

DNCE 210

Modern Dance IV

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 209

Continuing study of modern dance technique including more complicated combinations and advanced material. Emphasizes somatic approaches to dance training, performance expression, and comparison of modern dance styles. Dance 209 recommended.

CSU/UC

DNCE 211A

Mexican Folk Dance I

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 111

A beginning level study of techniques, forms, and regional and historical backgrounds of dances from various regions of Mexico, including choreography and repertoire of local and international choreographers. Students will perform beginning level traditional dances. Prepares the student for 211B.

CSU/UC

DNCE 211B

Mexican Folk Dance II

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 211A

Continued study of techniques, forms, and regional/historical backgrounds of dances from various regions of Mexico, including choreography and repertoire of local and international choreographers. DNCE 211B is a continuation and refinement of learning dance combinations at the beginning-intermediate level.Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 211A. Prepares the student for DNCE 212A.

CSU/UC

DNCE 212A

Mexican Folk Dance III

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 211B

Provides the continuing student in Mexican Folk Dance the opportunity to concentrate on more advanced steps and development of technical skills at the intermediate level. Emphasis of choreography and repertoire of local and international choreographers. Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 211B. Prepares the student for DNCE 212B.

CSU/UC

DNCE 212B

Mexican Folk Dance IV

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 212A

Continued study of more complex traditional dances from various regions of Mexico at the intermediate-advanced level. Students will also choreograph final projects and learn repertoire of local and international choreographers.

CSU/UC

DNCE 219A

Jazz Dance I

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Beginning level 1 jazz dance emphasizing movement technique, vocabulary, and creative expression. Includes an introduction to choreographic compositions. Prepares the student for DNCE 219B.

CSU/UC

DNCE 219B

Jazz Dance II

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 219A

Continued study in beginning jazz dance emphasizing movement technique, vocabulary and creative expression. Includes an introduction to choreographic compositions. Dance 219A is recommended. Prepares the student for Dance 219C.

CSU/UC

DNCE 220

Jazz Dance III

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 219B

Instruction for the continuing jazz dance student in intermediate jazz steps and further development of technical skills. Emphasis will be placed on combinations, choreography, performance style, and cultural context of jazz. Historical and contemporary forms are studied. Dance 219B recommended.

CSU/UC

DNCE 221

Jazz Dance IV

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 220

Continuing study of jazz dance concentrating on intermediate-advanced combinations with emphasis on movement technique, vocabulary, and performance style. Includes study of choreography, cultural context of jazz, and comparisons of historical and contemporary jazz styles.

CSU/UC

DNCE 226A

Latin Ballroom III

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 126B

This intermediate level course focuses on learning open choreography for the five Latin competition dances: Cha Cha, Samba, Rumba, Paso Doble, and Jive. The goal is to develop strong technical skills while also expressing the character of each dance. Students will practice the choreography and techniques for these dances and will be expected to perform them in exhibitions and showcases. Students will refine these intermediate-advanced skills in open routines with a partner and as a Latin Formation Team.Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 126B. This course is a preparation for advancing to DNCE 226B.

CSU/UC

DNCE 226B

Advanced Latin Ballroom IV

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 226A

This advanced class focuses on learning open choreography for the five Latin competition dances: Cha Cha, Samba, Rumba, Paso Doble, and Jive. The goal is to develop strong technical skills while also expressing the character of each dance. Students will practice both the choreography and techniques for these dances and will be expected to perform them in exhibitions and showcases.

Students will refine these advanced skills in open championships with a partner, and as a Latin Formation Team.

CSU/UC

DNCE 227A

American Smooth Ballroom III

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 127B

This is an intermediate class that focuses on learning closed and open choreography, a creative process when students learn how to craft their own routines in the four American Smooth competition dances of Waltz, Tango, Viennese Waltz, and Foxtrot. The students will apply technical and performance skills to warm up routines, school figures, and choreography for exhibitions and showcases.

CSU/UC

DNCE 227B

Advanced Smooth Ballroom IV

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 227A

This is an advanced class that focuses on learning open choreography in the four American Smooth Competition Dances performing with a partner and for competing in a Smooth Formation Ensemble. Students will experience this creative process firsthand and apply their technique to this choreography. Students will perform these open routines, in in-class competitions and showcases, with attention to technical proficiency while embodying the character of each dance.

CSU/UC

DNCE 240A

Repertory I

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Audition.

Students develop rehearsal and performance skills through learning a repertoire of dances. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment.

CSU/UC

DNCE 240B

Repertory II

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Audition.

Continued refinement of rehearsal and performance skills through learning a more difficult repertoire of dances. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment.

CSU/UC

DNCE 240C

Repertory III

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: By audition only

Students learn intermediate-advanced performance skills through small group, duet and/or solo repertoire. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment.

CSU/UC

DNCE 240D

Repertory IV

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: By audition only

Continued study in intermediate-advanced performance skills through small group, duet and/or solo repertoire. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment.

CSU/UC

DNCE 250A

Hip-Hop Dance I

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

A level I hip-hop dance course emphasizing movement technique, vocabulary, and creative expression. It includes choreographic principles, improvisation, and the cultural context of hip-hop dance.

CSU/UC

DNCE 250B

Hip-Hop Dance II

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 250A

Continued study in hip-hop dance, level II, emphasizing movement technique, vocabulary, and creative expression. Includes improvisation, more difficult combinations, student compositions, and the cultural context of hip-hop. Movement repertoire prepares students for DNCE 251.

CSU/UC

DNCE 251

Hip-Hop Dance III

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 250B

Instruction for the continuing dance student in level III hip-hop dance technique and further development of performance skills. Emphasis will be placed on combinations, choreography, performance style, and cultural context of hip-hop. Dance 250B recommended

CSU/UC

DNCE 260

Somatic Practices in Dance

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

This course uses the principles of Bartenieff Fundamentals to develop efficient movement patterning within the body and to encourage and support personal expression, meaning-making, and an integration of the body and mind. Includes core concepts of the Laban Movement Analysis System which embodies all movement possibilities through Body, Effort, Shape, and Space. Knowledge in anatomy/physiology or kinesiology, and/or training in intermediate-advanced dance techniques are highly recommended.

CSU/UC

DNCE 261

Somatic Practices in Modern Dance

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 260

From the somatic practices learned in Dance 260, this course applies the principles of Bartenieff Fundamentals and core concepts of the Laban Movement Analysis System to observe, analyze, and address movement patterning within the body and move with clarity and efficiency appropriate to modern dance technique.

CSU/UC

DNCE 262

Somatic Practices in Ballet

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 260

From the somatic practices learned in Dance 260, this course applies the principles of Bartenieff Fundamentals and core concepts of the Laban Movement Analysis System to observe, analyze, and address movement patterning within the body and move with clarity and efficiency appropriate to ballet technique.

CSU/UC

DNCE 263

Somatic Practices in Jazz Dance

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 260

From the somatic practices learned in Dance 260, this course applies the principles of Bartenieff Fundamentals and core concepts of the Laban Movement Analysis System to observe, analyze, and address movement patterning within the body and move with clarity and efficiency appropriate to jazz dance technique.

CSU/UC

DNCE 270

Dance Practicum

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 180

Directed study at selected locations providing workplace experience as performer, choreographer, production assistant, dance management intern, dance team assistant, dance studio assistant, dance teacher, or somatics teaching assistant. Before placement, skills are assessed to match abilities with project or job needs.

CSU/UC

DNCE 290

Choreography for the Camera

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DM 140

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 202B

An introduction to dance for the camera, utilizing both practical and theoretical concepts of choreography and video production as it pertains to filmmaking. Through dance film analysis, studio- based exercises, viewings, and discussions, specific approaches to translating, contextualizing, framing, and structuring movement in the cinematic format will be explored. Designed for the dancer with intermediate/advanced technical training and choreographic skills.

CSU/UC

DNCE 291

Dance Film Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DNCE 290

A capstone course, where students build upon skills and concepts developed in previous camera, editing, cinematography, and choreography for the camera courses. Students produce and direct dance film productions.

CSU/UC

DNCE 296

Special Studies in Modern Dance

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 210

An advanced level course offering individualized and accelerated instruction in modern dance techniques.

CSU/UC

DNCE 297

Special Studies in Jazz Dance

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 221

An advanced level course offering individualized and accelerated instruction in jazz dance techniques.

CSU/UC

DNCE 298

Special Studies in Ballet Dance

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DNCE 213 DNCE 214

An advanced level course offering individualized and accelerated instruction in ballet dance techniques.

CSU/UC

Diesel (DSL)

DSL 211

Hydrogen Fuel Cell Safety

Unit(s): 0.200 Class Hours: 4.000 Lecture total.

This course will cover safe practices when servicing and maintaining hydrogen fuel cell systems. Students will explore safety related to high pressures and high voltages.

CSU

DSL 212

Hydrogen Fuel Cells

Unit(s): 1.000 Class Hours: 16.000 Lecture total, 8.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DSL 211

This course will focus on the fuel cell found in modern alternative fueled vehicles, including heavy duty applications. Fuel cell design, operation, and maintenance will be discussed. Students must supply their own approved safety glasses.

CSU

DSL 213

Hydrogen used for Fuel Cells

Unit(s): 1.000 Class Hours: 24.000 Lecture total, 8.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DSL 211

This course will cover safety, function, operation, and design of the high pressure hydrogen system used with modern fuel cells. Students must supply their own approved safety glasses.

CSU

DSL 214

Fuel Cell High Voltage Systems

Unit(s): 1.000 Class Hours: 24.000 Lecture total, 8.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DSL 211

This course will cover the safe practices, operation, function, and design of the high voltage systems used on modern fuel cells. Students must supply their own approved safety glasses.

CSU

Diesel Electric Transportation Technology (DETT)

DETT 101

Introduction to Diesel- Electric Technology

Unit(s): 2.500 Class Hours: 36.000 Lecture total, 27.000 Lab total.

This introductory course explores the emerging field of Diesel-Electric Transportation Technology (DETT). Students will gain foundational knowledge of diesel power and alternative fuels systems, electric drivetrains, hybrid technologies, hydrogen technologies, and high- voltage safety practices. The course emphasizes the fundamentals of diesel and electric equipment while also examining labor market trends, salaries, industry outlooks, and career opportunities. Designed for students considering careers in transportation technology. The course introduces key regulatory standards, industry practices, and pathways to advanced technical training and certifications. Field trips may be required.

CSU

DETT 115

Heavy Duty Mobile Hydraulics

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

This course presents the operation, service, and troubleshooting procedures for hydraulic systems found on modern light-medium and heavy-duty equipment and trucks. This class covers hydraulics systems used in diesel, hybrid, and electric applications. Hands-on procedures are emphasized.

Students must furnish approved safety glasses. Field trips may be required.

CSU

DETT 121

Diesel Engines

Unit(s): 4.500 Class Hours: 54.000 Lecture total, 81.000 Lab total.

Service, repair, rebuilding, diagnosing, operation, function, and features of diesel engines. Hands-on procedures and safety are emphasized.

Students must furnish approved safety glasses. Field trips may be required.

CSU

DETT 131

Transmissions and Drive Train

Unit(s): 4.500 Class Hours: 54.000 Lecture total, 81.000 Lab total.

This course covers the drive train systems used on medium and heavy-duty trucks.

Operation, service, and troubleshooting of manual, semi-automated, Allison automatic transmissions, clutch, and rear axle systems are emphasized. Introduction to high-voltage electric drive trains for electric mid-heavy duty vehicles is included.

Service procedures and diagnosis using diagnostic software will be covered. Computer control systems and high-voltage performance systems are emphasized as required on modern medium and heavy-duty vehicles.

Students must furnish their own safety glasses. Field trips may be required.

CSU

DETT 132

Alternative Fuels, Diesel, Emissions, and Zero Emissions Systems

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Theory, testing, and service of mechanical and electronic diesel. CNG and alternative fuel systems. Engine diagnosis techniques for current production of medium/heavy- duty diesel and CNG engines. Diesel emissions will also be covered. Zero emissions, electric trucks, and theory of operation will be covered.

Hands-on procedures and safety are emphasized.

Students must furnish approved safety glasses. Field trips may be needed.

CSU

DETT 141

Medium/Heavy Duty Chassis Systems

Unit(s): 4.500 Class Hours: 54.000 Lecture total, 81.000 Lab total.

Study of mid and heavy-duty vehicle (MHDV) chassis and suspension configurations. Emphasis on electronic air suspension and leaf spring configurations. Principles of operation for MHDV air and hydro-boost hydraulic brake systems. Study of steering systems and performing service procedures. Emphasis on collision prevention and autonomous guides for MHDV technologies. Study of vehicles to everything (V2E) technological platforms.

Overview of MHD electric vehicle chassis requirements. Field trips may be required.

CSU

DETT 161

Electrical/Electronic Systems

Unit(s): 5.000 Class Hours: 63.000 Lecture total, 81.000 Lab total.

Introduction to the fundamentals of electrical and electronic systems for mid- heavy-duty vehicles.

Diagnosis, service, and repair procedures for conventional, multiplexed, and other networked electrical systems. Overview of electronic control modules, sensors, actuators, and control area networks (CAN). Study of low and high voltage AC/DC circuits.

Analysis of high voltage battery pack management. Introduction to electric mid/ heavy-duty vehicles technologies. Field trips may be required.

CSU

DETT 165

Diesel-Electric Transport Refrigeration

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Introduction to the principles of transport refrigeration for Thermoking and Carrier units. Emphasis on the fundamentals of heat transfer and its relationship between pressure and temperature in a liquid.

Safety practices when working on transport refrigeration units. A deep overview of all the components and their functions while the unit is going through all three phases of the refrigeration process.

Description of the cooling, heating, and defrost cycles. Preparation for the EPA 608 Universal HVAC technician certification. Study of inspection, maintenance, troubleshooting, and repair procedures following OEM recommendation and EPA guidelines. Practice soft solder and silver brazing techniques. Overview of the proper use of service equipment and special tools used in the recovery, dehydration, vacuum, and charge of the units.

Introduction to all electric high voltage units. Field trips may be required.

CSU

DETT 168

High Voltage and Electrical Systems

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DETT 161

This class will train the students with the essential skills to enter the emerging electric heavy-duty vehicles (EHDV) industry. High voltage safety is highly emphasized. Overview of charging level systems. Recognize safe and proper procedures for maintenance, service, troubleshooting and repair techniques on battery packs, electrical and electronic controls, and high voltage electric drive train components. This class is highly recommended for individuals seeking a career as an EHDV technician, service manager, fleet managers, and commercial vehicle inspectors. Field trips may be required.

CSU

DETT 171

Heating, Ventilation, and Air Conditioning

Unit(s): 3.500 Class Hours: 45.000 Lecture total, 54.000 Lab total.

Operation, testing, and servicing of truck cab air conditioning and heating systems. Auxiliary power units (APU) are also covered.

Introduction to electric heavy- duty vehicles (EHDV) heating ventilation air conditioning (HVAC) and electric APU systems. Overview of HVAC units as an alternative system to the EHDV battery thermal management systems.

Preparation for the student to pass the environmental protection agency (EPA) 609 exam for automobile air conditioning technician certification. Field trips may be required.

CSU

DETT 181

Introduction to Preventative Maintenance Inspection

Unit(s): 2.500 Class Hours: 36.000 Lecture total, 27.000 Lab total.

This course provides students with basic knowledge and skills in medium and heavy- duty truck maintenance.

Safety, inspections, and hands- on practice are emphasized.

Close overview of CHP and DOT safety and maintenance inspection format and records filing. Introduction to electric heavy-duty vehicle systems and inspection. Field trips may be required.

CSU

DETT 201

Introduction to Transit Systems

Unit(s): 0.300 Class Hours: 6.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Approved safety equipment is required for live shop instructor demonstrations on running transit buses.

This course will introduce students the bus transit systems, including tools, components, location of components, safety, regulations, and procedures. This course is meant for students working in a transit field as an entry-level technician.

CSU

DETT 202

Transit Preventative Maintenance

Unit(s): 0.500 Class Hours:12.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DETT 201 This course provides students with an overview of the Certified Maintenance courses CERT1 through CERT10. Covers the ground rules and expectations of the program. Transit bus vehicle and shop safety training is highlighted. This safety training is required for participation in all CERT1 though CERT10 courses. Familiarizes students with the proper and safe use of hand tools and equipment. Includes an overview of the functions and procedures for preventive maintenance on current transit buses.

CSU

DETT 203

Transit Vehicle Electrical Systems

Unit(s): 2.500 Class Hours: 45.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DETT 201 This course covers the functions and components of the electrical systems on current transit buses. Principles of electricity and safety are highlighted. An overview of troubleshooting techniques for both conventional and computer controlled buses are emphasized. This is the Certified Maintenance course CERT3.

CSU

DETT 205

Transit Vehicle Air Brake Systems

Unit(s): 1.000 Class Hours: 21.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DETT 201

This course introduces the students to the operation of air brake systems found on current transit buses. Diagnosis, service, and repair procedures are emphasized. Principles of air supply and safety are also included. An overview of troubleshooting techniques for both conventional and computer controlled buses will be discussed. This is Certified Maintenance course CERT5.

CSU

DETT 206

Transit Vehicle Automatic Transmissions

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DETT 201

This course introduces the students to the basic theory of operation of the automatic transmissions currently used on transit buses. Diagnostic and troubleshooting techniques, repair, and service will be emphasized. This is the Certified Maintenance course CERT6.

CSU

DETT 207

Transit Vehicle Engines

Unit(s): 2.000 Class Hours: 39.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DETT 201

This course will introduce students to the basic theory of operation of current transit bus engines. Diagnostic and troubleshooting techniques, repair, and service will be emphasized. This is the Certified Maintenance course - CERT7.

CSU

DETT 208

Transit Vehicle Heating, Ventilation, Air Conditioning

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DETT 201

This course introduces the student to the basic theory of operation of heating, ventilation, and air conditioning systems used on current transit buses. Service, maintenance, and troubleshooting will be emphasized. This is the Certified Maintenance course - CERT8.

CSU

DETT 209

Transit Vehicle Drive Train Suspension

Unit(s): 1.000 Class Hours: 21.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DETT 201

This course introduces students to the basic theory of operation of transit bus drive train and suspension systems. Diagnostic techniques, repair, and service of current transit bus drive train and suspension systems will be emphasized. This is the Certified Maintenance course - CERT9.

CSU

DETT 210

Transit Vehicle Wheelchair Lifts

Unit(s): 0.500 Class Hours: 15.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DETT 201

This course introduces the student to the basic theory of operation of wheelchair lifts and ramps currently used on transit buses. Service, maintenance, and troubleshooting will be emphasized. This is the Certified Maintenance course - CERT10.

CSU

DETT 299

Work Experience - Diesel- Electric

Unit(s): 0.500-4.000 Class Hours: 27.000-216.000 Lab total.

Completion of at least 6 units of Diesel-Electric Transportation Technology courses with a minimum grade of C.

This work experience course of supervised employment assists students to acquire desirable work habits, attitudes, and skills in diesel-electric maintenance and repair. A student can earn 0.5 to 4 units per semester, up to a maximum of 14 units total.

Additionally, students must work 54 hours to earn 1 unit. Student repetition is allowed per Title 5, Section 55253. (Pass/No Pass Only)

CSU

Digital Media (DM)

DM 100

Introduction to Electronic Media: TV, Radio, Film, and the Internet

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course introduces the history, structure, function, economics, content and evolution of radio, television, film, the Internet, and new media, including traditional and mature formats. The social, political, regulatory, ethical and occupational impact of the electronic media are also studied.

CSU/UC

DM 101

TV and Society: A Visual History

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Evolution and impact of TV programming as business and art form in American society. Development of a visual literacy and appreciation of television's various formats (sitcom, westerns, soaps, dramas, mini-series) through, lecture, video viewings, and guest speakers.

CSU/UC

DM 102

History of Global Cinema

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A survey course exploring global cinema as an art form, and developing appreciation of historical, artistic, and technical advances from the 1890s to the present, with focus on cinema from around the world.

CSU/UC

DM 103

History of Film to 1945

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A survey course exploring film as an art form and developing appreciation of historical, artistic, and technical advances from 1890s to 1945.

CSU/UC

DM 104

History of Film from 1945 to Present

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A survey course exploring film as an art form and developing appreciation of historical, artistic, and technical advances from 1945 to present.

CSU/UC

DM 105

History of Latin American Cinema

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A survey course exploring Latin-American cinema as an art form, and developing appreciation of historical, artistic, and technical advances from the 1890s to the present, aimed at fostering a lasting engagement with both film culture and Latin America.

CSU/UC

DM 107

History of Animation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Critical and historical survey of animation as a form of communication and cultural expression, from prehistoric origins to present digital formats. Animation history is studied in relation to the background for its creation in contemporary culture and society including the U.S.A., Europe, and Japan. Students analyze and evaluate a large cross-section of animated works.

CSU/UC

DM 110

Introduction to Television Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

This course introduces theory, terminology and operation of a multi-camera television studio and control room. Topics include studio signal flow, directing, theory and operation of camera and audio equipment, switcher operation, fundamentals of lighting, graphics, video control and video recording and real-time video production.

CSU/UC

DM 112

Introduction to Video Editing and Postproduction

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Fundamental methods and techniques used to edit video for TV, film, web and multimedia. Hands-on training in basic operation of digital, non-linear editing system and software.

CSU

DM 113 (C-ID DMGR 110X)

Introduction to Digital Media Design Principles

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

This course is for students entering a career in digital media and majors in the digital media field. This digital design course emphasizes critical examination of basic principles and elements of design in computer graphics. Students will not only produce designs, but examine the physiology and psychology behind fundamental elements of design, investigate their use in culture, as well as practice and reflect on how graphics, scale, and space can impact humans through visual design features and

functions. Special focus on design for media applications, creative visual storytelling for digital applications.

CSU/UC

DM 115A (C-ID FTVE 130)

Single-Camera Production & Editing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Focus on your career path! This course provides an introduction to single-camera video production, including production and aesthetic theories, terminology, and operation of field equipment. Topics covered will include composition and editing techniques, camera operation, field lighting, audio recording, and basic editing. This course focuses on the planning and execution of preproduction, production, and postproduction, working as a cohesive production crew.

CSU/UC

DM 115B

Advanced Single-Camera Production and Editing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Advanced development of knowledge and skills in single-camera production technology and practices. Emphasis on professional production standards and technical advancements in digital media camera production.

CSU/UC

DM 120

Beginning Screenwriting for Digital Media

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Use your creativity to write your own ticket! Basic introductory course in narrative script writing for film and episodic television. Emphasis on basic screenplay structure, characters, conflict, theme and technical script formatting in the development of a short screenplay.

CSU

DM 121

Intermediate Screenwriting for Digital Media

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 120

Explores professional requirements for scriptwriters and their relationship to the production, direction and development of scripts for TV, film, the web, corporate videos and digital media. Strengthens fundamental writing skills. Prior enrollment in DM 120 recommended.

CSU

DM 121A

Fundamentals of Typography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DM 195 or ART 195 or Contact instructor for portfolio review. A portfolio exhibiting equivalent to above listed prerequisite skillset.

Introduction to the use of type styles, appropriate type selection and their characteristics as a means toward understanding design and communication through type solutions. Projects will explore current graphics industry practices and standards, including the use of digital technology and traditional hand skills.

CSU/UC

DM 121B

Advanced Typography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 195 or ART 195 Students should have a fundamental understanding of typography, including type design, type categories, layout design and vector graphics prior to enrolling in this advanced-level course.

This course provides continued study in typography and appropriate type selection as a means for solving complex graphic design problems, such as illustrative type or multiple- page layout using traditional hand skills, digital technology and portfolio presentations.

CSU/UC

DM 122

Principles of Graphic Design

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 195

Introduction to 2D and 3D graphic design principles in visual communication with an introduction to design process, methodology/ theory, and problem-solving. Content includes color theory, typography, identity design, and visual perception. This graphic design concept-based course will explore divergent techniques, tools, and practices resulting in the production of effective visual communications reflecting the needs of the expanding media landscape. A perfect pairing with the course DM 113: Introduction to Digital Media Design Principles.

CSU/UC

DM 123

Advanced Screenwriting for Digital Media

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 121

Explores professional requirements for writing screenplays for TV, film, and the web plus scripts for corporate videos and digital media. Advanced individual projects enhance student writing skills and body of work. Prior enrollment in Digital Media 121 recommended.

CSU

DM 125

Work Experience - Digital Media

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

DM 130

Broadcasting for News & Sports

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 112 DM 115A

Introduction to television and other digital platforms for news and sports reporting with emphasis on writing, editing, and technical production of newscasts. Emphasizes both field and studio reporting. Prior or concurrent enrollment in Digital Media 115A and/or DM 112 recommended.

CSU

DM 140

Cinematography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 115A

Concepts and practice of cinema-graphic, filming, and lighting techniques as applied to single-camera film and digital production. Recommended prep, DM 115A-Single Camera Production & Editing.

CSU/UC

DM 142

Acting for the Camera

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Techniques and disciplines of acting as applied to film and television production. Opportunity to practice and perform with emphasis on developing talents and skills required in acting for the screen (Same as Theatre Arts 113).

CSU/UC

DM 150

Producing and Directing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 112 and DM 115A Prior or concurrent enrollment

Emphasizes production planning and preparation, aesthetics, budgeting, and working with a production team. Practical experience in producing and directing studio and remote productions. Multiple directing/producing assignments each semester. Prior or concurrent enrollment in Digital Media 112, and 115A recommended.

CSU/UC

DM 152

Beginning Audio Production

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

Introduction to the theory and practice of audio production for radio, stage, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment.

Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software. (same as Music 152)

CSU/UC

DM 162

Digital Illustration I

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 195 or ART 195 or portfolio exhibiting equivalent skills to 3 units of entry-level digital design coursework or

Explores the essentials of illustration for graphic designers and concept artists, using industry-standard production and design tools. Focuses on professional studio techniques to master this essential design tool for the creation of sophisticated graphics. Emphasizes efficient workflow, technical proficiency, and aesthetic judgment. Students produce portfolio-ready projects using a broad range of imaging skills. The primary software used includes Adobe Photoshop, supplemented with Adobe Illustrator, and some time-based media software. Same as DM 162.

CSU/UC

DM 164

Web Design

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

This course examines global issues related to internet culture, web ethics, equity, social justice, in addition to rights and trends related to the web. In the context of cultural and social needs, students will be introduced to web design using digital media tools; graphics, illustrations, text, sound, motion, using software programs for the web. Students will also review how web design has been used to impact commerce advancement, global communication, advertising, entertainment, and self-promotion relate to global and local community needs. Students will be able to apply their knowledge in site development and responsive design.

CSU/UC

DM 165

3D Character Animation

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 197A Similar experience in 3D modeling.

From Star Trek to Wall-E, 3D characters are unique vessels supporting contemporary and creative narratives! In this course we offer instruction in the theories and practice of character animation. We address strategies for rigging, skinning and animating using character design. You will develop a short, animated narrative with a team of your peers and improve your creative portfolio.

CSU/UC

DM 168

Agency Graphic Design Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Must have completed 6 units of design coursework or have portfolio of equivalent skillset.

Make your creativity work for you! This course is a comprehensive branding, media, and design course serving as the capstone for all Digital Media Arts & Graphic Design programs. Students develop a career/transfer-ready digital portfolio through team-based branding and identity design development for multiple media applications. Focus is on the small business sector and creating a personal brand for preparation to enter the workforce or complete design portfolio requirements for transfer. Career goals, resumes, online portfolios, interviewing skills, and customer service needs are addressed. 6 units of digital media-oriented coursework are recommended.

CSU

DM 169

Game Design & Development Team

Unit(s): 1.500 Class Hours: 9.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 196A or DM 197A

Students design and develop original video game projects in a team setting and in a simulated video game production studio setting. The working game(s) and/or working prototypes will be entered into the annual Institute of Electrical and Electronics Engineers (IEEE) Intercollegiate Computer Game Competition.

CSU

DM 170

Drone Pilot License Test Prep

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

This class prepares students to become professional drone pilots. The class preps students to take the FAA Drone Pilot test, and other knowledge tests required by the FAA. To fly drones commercially, students need to pass an FAA drone pilot knowledge test.

CSU

DM 171

Drone Pilot Training

Unit(s): 1.500 Class Hours: 18.000 Lecture total, 27.000 Lab total.

Learn the ins-and-outs of flying a drone professionally. The Drone Pilot Training course covers FAA rules and regulations, settings and features of drones, and supervised hands-on flight instruction with a licensed drone pilot. Drones provided for the class.

CSU

DM 175

Drone Cinematography & Editing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Drone flight techniques designed for the practice of cinematic filming, production, and post-production.

CSU

DM 191A

Layout Design

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Recommeded Preparation: To be successful in this course it is recommended that students have some prior knowledge of Adobe Creative Cloud. If unsure, please consider concurrent enrollment in DM 195 to develop introductory skills in the Adobe Create Cloud suite of design software.

An introduction to digital publishing and page layouts. Projects explore the design and development of single and multiple page documents. Includes advanced techniques in complex documents, interactive, and web-ready pages. Primary software: Adobe InDesign.

CSU

DM 192A

Digital Illustration II: Advanced Topics

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 162 or ART 162 or equivalent, as demonstrated in illustration portfolio

Examines advanced design and illustration techniques using industry-standard software via Adobe Creative Cloud. Addresses contemporary illustrative problems, concepts, and skills development within the digital media and graphic arts industries for the creation of unique illustrations. The technical needs for graphic illustrations for print, animation, film, and the web will also be addressed. Primary Software: Adobe Illustrator, supplemented with Adobe Photoshop. Same as DM 192A.

CSU/UC

DM 193

Motion Graphics with Adobe After Effects

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ART 195 and TELV 112

This graphics animation course covers the development of original motion graphics. Video editing skills are refined within the animation software to create animated clips for use in multiple media applications. Some experience in non-linear digital video editing is recommended, as well as some graphic design experience. (Same as Art 193)

CSU/UC

DM 195

Introduction to Digital Media Arts

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

Foundation-level course designed for graphic designers, artists, photographers, web designers, programmers, and animation artists working in the digital realm. Students are introduced to fundamental concepts, practices, and theories of digital art production. Course topics include integration of traditional design, color, and compositional principles with contemporary digital tools, including industry-standard software, such as Adobe Creative Cloud for print, web and time-based media. (Same as ART 195)

CSU/UC

DM 196A

3D Modeling: The Fundamentals

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

This is an introductory course in developing digital 3D models for video games, film, advertising and pre-visualization for product and architectural design. Focus is placed on building digital 3d characters, props and environments that will be used in students' own animated short film or video game ideas. By employing the teacher-provided project management tools, students gain hands-on experience in how animated and interactive media projects are developed. Industry-standard low and high poly modeling methods, which utilize normal map application, is emphasized to ensure optimized models with stunning detail.

CSU/UC

DM 196B

3D Modeling Intermediate

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 196A or a portfolio demonstrating equivalent skills to success at the intermediate level.

Instruction in intermediate-level digital 3D modeling methods as used in video games, interactive media, television, film, previz, product illustration, architectural and bioscience visualization.

Students are to model subjects geared to their chosen area of interest and then are provided instruction and guidance to increase proficiency, speed and communication skills required for professional 3D modelers.

CSU/UC

DM 197A

3D Animation Fundamentals

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 113 or DM 193

Instruction in using 3D animation software for the purpose of linear storytelling. Emphasis on the incorporation of the classic principles of animation, and in learning the core components of the software that are necessary for effective visual communication.

CSU/UC

DM 215

Advanced Single-Camera/Digital Cinema Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 112 and DM 115A

Advanced single-camera digital cinematography production and post-production technology, workflow and aesthetics. Emphasis upon industry standards and approaches for television and cinema production with professional High Definition and Ultra High Definition/4K video cameras. It includes HD, DSLR and other large-sensor digital cinema cameras.

CSU

DM 230A

Beginning News & Sports Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 130

Beginning producing for broadcast journalism and sportscasting. Create content for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands- on production class. Emphasizes both field and studio production.

CSU

DM 230B

Intermediate News & Sports Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 230A

Intermediate producing for broadcast journalism and sportscasting. Create content for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production.

CSU

DM 230C

Advanced News & Sports Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 230B

Advanced producing for broadcast journalism and sportscasting. Create content for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands- on production class. Emphasizes both field and studio production.

CSU

DM 230D

Executive News & Sports Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 230C

Executive producing for broadcast journalism and sportscasting. Oversee content creation for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production.

CSU

DM 240

Agency Film Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

This is a capstone course, where students will build upon skills and concepts developed in previous camera, editing and cinematography courses in order to learn how to produce and direct advertising agency productions. Prior enrollment in Digital Media 112, 115A, and 140 recommended.

CSU

DM 255

Motion Picture Technical Production

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 112 or DM 115A or DM 120

This course provides hands-on, practical experience in technical production, culminating in a fully produced film screened to the public. The final movie presentation becomes the basis for creating a production reel.

CSU/UC

DM 256

Intermediate Motion Picture Technical Production

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 255

This course provides hands-on practical experience in intermediate technical production, culminating in a fully produced film screened to the public. The final movie presentation becomes the basis for creating a production reel. Prior enrollment in DM 255 is recommended.

CSU/UC

DM 257

Advanced Motion Picture Technical Production

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 256

This course provides hands-on on practical experience in advanced technical production, culminating in a fully produced film, screened to the public. The final movie presentation becomes the basis for creating a production reel.

CSU/UC

DM 260

Lighting Fundamentals

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Theory and practices of lighting including control systems and instruments as well as the techniques for proper installation, operation, maintenance, and safety. Same as THEA 133.

CSU/UC

DM 265

Documentary Film Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 112 or DM 115A or DM 140

This is a capstone course where students will build upon skills and concepts developed in previous camera, editing, and cinematography courses. Students will learn to produce and direct short-form documentaries.

CSU/UC

Earth Science (ERTH)

ERTH 110 (C-ID GEOL 120)

Planet Earth: Introduction to Earth Science

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This introductory course surveys the major fields of earth science including geology, astronomy, oceanography and meteorology. The course will provide students with a comprehensive overview of the dynamic and interconnected systems that shape our planet and how changes in any aspect of the atmosphere, oceans, or on land effect all other areas. Not open to students who are enrolled, or have credit in Geology 101 or Geography 101. Optional half- day field trip.

CSU/UC

ERTH 110H (C-ID GEOL 120)

Planet Earth: Honors Introduction to Earth Science

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

This introductory course surveys the major fields of earth science including geology, astronomy, oceanography and meteorology. The course will provide students with a comprehensive overview of the dynamic and interconnected systems that shape our planet and how changes in any aspect of the atmosphere, oceans, or on land effect all other areas. Optional half-day field trip. Not open to students who are enrolled, or have credit in Geology 101 or Geography 101.

CSU/UC

ERTH 115

Earth Science for Educators

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

The study of the dynamic forces shaping the earth, including its oceans and atmosphere. This class is open to all majors but is oriented towards enhancing the earth science knowledge of future teachers. Also includes an introduction to the solar system. Half-day field trip required. Not open to students who are enrolled or have credit in Earth Science 110, Geology 101, or Geography 101.

CSU/UC

ERTH 125

Introduction to Climate Science

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides an overview of the Earth's climate system, exploring the scientific principles that govern climate and the various factors that influence it. Topics include the atmospheric composition, energy balance, natural and human-induced climate variability, and the role of oceans, ice, and land surfaces in the climate system. Students will examine the evidence for climate change, its impacts on ecosystems and human societies, and the strategies for mitigation and adaptation. The course emphasizes the application of climate science to current environmental issues and policy decisions.

CSU/UC

ERTH 150

Introduction to Oceanography

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introductory study of the ocean and its topography, sediments, circulation, shoreline processes, biological productivity, and mineral resources. Optional Field Trip (Same as GEOL 150)

CSU/UC

Economics (ECON)

ECON C2001 (C-ID ECON 201)

Principles of Microeconomics

Formerly: ECON 121 - Principles/Micro.

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. *Formerly: ECON 121 - Principles/Micro.*

CSU/UC

ECON C2002 (C-ID ECON 202)

Principles of Macroeconomics

Formerly: ECON 120 Principles/Macro

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.

An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. *Formerly: ECON 120 - Principles/Macro.*

CSU/UC

Education (EDUC)

EDUC 105

Exploration in the Field of Education

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Before observation begins, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

An exploration in the field of education from early childhood through high school. This course requires 15 hours of structured observation in traditional and non-traditional settings: early childhood, elementary school, middle school, high school, special education, and English Language Development (ELD). Topics will include: a) roles and responsibilities of the teacher, b) teaching and learning of diverse student populations across different education spans, and c) careers in education beyond the classroom teacher.

CSU

EDUC 114

Tutoring Reading in Elementary Schools

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

An examination of effective tutoring strategies focusing on supporting reading skills of elementary-age children. Students will independently complete a minimum of twenty hours of service learning (tutoring of TK-8th students in home and/or school settings) in addition to lecture hours.

CSU

EDUC 120A

Development of the School-Age Child

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An examination of the physical, cognitive, personality, and social development of children between the ages of five and twelve years. Attention will be paid to the scientific study of middle childhood, developmental trends, and diversity issues. Not offered every semester. (Same as CDEV 120A)

CSU/UC

EDUC 120B

School-Age Child Care and Recreation Activities

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will focus on school-age creative activities, including planning and implementing an appropriate before/after school curriculum. Attention will be paid to integrating academics, recreation, and creative activities suitable for school-age child care programs. (Same as CDEV 120B)

CSU

EDUC 201 (C-ID EDUC 200)

Introduction to Elementary Classroom Teaching

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: EDUC 105; before field experience begins, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test may be required.

Introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one approved certificated classroom teacher.

CSU/UC

EDUC 203

Introduction to Children with Disabilities or Delays

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduces the variations in development of children and adolescents with disabilities or delay. Includes an overview of historical and societal influences, laws relating to individuals with disabilities or delays, and the assessment and referral process.

Emphasizes the importance of working in partnership with families and specialists to support children's development. (Same as CDEV 205)

CSU

EDUC 204

Proficiency in Educational Technologies for Teachers

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Students will develop personal proficiency in educational technologies to facilitate the teaching process. Students will also apply digital literacy skills through the use of presentation, spreadsheet, word processing and publication software, interactive online tools, internet search and retrieval, information literacy, electronic communication and collaboration, and awareness of legal and ethical issues in the digital world.

CSU

EDUC 210

The Teaching Experience: Secondary Education

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to the history, philosophy, and sociology of secondary education. This course will cover the California Teaching Performance Expectation and Assessment, needs of students with disabilities, English learners, struggling readers, content standards, and major curriculum reform documents. Students participate in 45 hours of structured observation in a local secondary classroom.

CSU/UC

Education - Apprenticeship (APED)

APED 114

Tutoring Reading in Elementary Schools

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Limitations of Enrollment: Must be a state-indentured apprentice.

An examination of effective tutoring strategies focusing on supporting reading skills of elementary-age children. Students will independently complete a minimum of twenty hours of service learning (tutoring of TK-8th students in home and/or school settings) in addition to lecture hours.

CSU

APED 120A

Development of the School-Age Child

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Must be a state-indentured apprentice.

An examination of the physical, cognitive, personality, and social development of children between the ages of five and twelve years. Attention will be paid to the scientific study of middle childhood, developmental trends, and diversity issues. Not offered every semester.

CSU/UC

APED 120B

School-Age Child Care and Recreation Activities

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Must be a state-indentured apprentice.

This course will focus on school-age creative activities, including planning and implementing an appropriate before/after school curriculum. Attention will be paid to integrating academics, recreation, and creative activities suitable for school-age child care programs. Not offered every semester.

CSU

APED 201

Introduction to Elementary Classroom Teaching

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: EDUC 105 ; before field experience begins, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test may be required.

Limitations of Enrollment: Must be a state-indentured apprentice.

Introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, kindergarten through grade 12 (K-12). Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one approved certificated classroom teacher.

CSU/UC

APED 204

Proficiency in Educational Technologies for Teachers

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Must be a state-indentured apprentice.

Students will develop personal proficiency in educational technologies to facilitate the teaching process. Students will also apply digital literacy skills through the use of presentation, spreadsheet, word processing and publication software, interactive online tools, internet search and retrieval, information literacy, electronic communication and collaboration, and awareness of legal and ethical issues in the digital world.

CSU

Emergency Medical Technician (EMT)

EMT 104

Emergency Medical Technician

Unit(s): 10.000 Class Hours: 162.000 Lecture total, 54.000 Lab total.

Corequisite: Concurrent enrollment in: EMT 105

Prerequisite: Current American Heart Association "BLS Provider" CPR Certification

Basic course for Emergency Medical Technician (EMT) certification. Satisfies training requirements for National/State/County Emergency Medical Services (EMS) Authorities. Prepares students to take the National Registry Certifying Examination for State Certification. Additionally, trains students in the Orange County Emergency Medical Services (OCEMS) optional scope of practice. Course provides depth and breadth of foundational knowledge from the US Department of Transportation's National Scope of Practice Model and the National EMS Education Standards derived for entry-level EMT.

CSU

EMT 105

Clinical EMT Skills Laboratory

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Prerequsite: Current American Heart Association "BLS Provider" CPR Certification

Corequisite: Concurrent enrollment in: EMT 104

Clinical, field experience, and supervised use of skills lab through supplemental learning to assist the student in development of clinical competency and mastery of psychomotor skills as addressed in course EMT 104. Hours verified by instructor. (Pass/No Pass Only)

CSU

EMT 111

Recertification for EMT

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Valid EMT certificate or equivalent within past two years and a valid CPR card: American Heart Association "BLS Provider"

Update emergency medical techniques, equipment, and EMSA policies. Meets state requirements for EMT recertification.

CSU

EMT 198-00

Topics

Unit(s): 0.500-3.000 Class Hours: 9.000-54.000 Lecture total.

Courses in a variety of contemporary topics will be offered to meet the interests and needs of students in the Emergency Medical Technician area. Individual descriptions will be provided for each course developed.

CSU

Engineering (ENGR)

ENGR 012

Civil/Architectural Blueprint Reading

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Reading and interpreting blueprints for civil engineering, architecture, and construction fields. No prior blueprint reading experience is needed. Course provides preparation for more advanced civil and architectural drafting coursework.

ENGR 100A (C-ID ENGR 110)

Introduction to Engineering

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The course explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. Explains the engineering education pathways and explores effective strategies for students to reach their full academic potential.

Presents an introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics. Develops communication skills pertinent to the engineering profession.

CSU/UC

ENGR 100B

Introduction to Civil Engineering

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Introduction to the Civil Engineering and the related fields of architecture and construction. Includes an overview of academic programs, career information and preparation requirements, possible field trips and guest speakers.

CSU

ENGR 103

Solidworks Beginning Solid Modeling

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introductory course in parametric solid modeling using

Solidworks, an industry standard engineering design software (CAD). This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc.), including the preparation of individual solid components and basic solid model assemblies (Same as Manufacturing Technology 103).

CSU

ENGR 104

Solidworks Intermediate Solid Modeling

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGR 103 or MNFG 103

Intermediate course for solid modeling using Solidworks, an industry standard engineering design software (CAD). Includes a review of the introductory class and changes to the Solidworks interface. Instruction in the use of intermediate Solidworks part modeling skills such as assembly modeling and sub-assemblies is included (Same as Manufacturing Technology 104).

CSU

ENGR 105

Solidworks Advanced Solid Modeling

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGR 104 or MNFG 104

Advanced course for solid modeling includes a review of the intermediate class and changes to the Solidworks interface. Instruction in the use of Solidworks part modeling, assembly modeling, sub-assemblies, advanced photoworks and advanced animator emphasized (Same as Manufacturing Technology 105).

CSU

ENGR 111

Basic Mechanical Blueprint Reading

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Reading and interpreting blueprints for manufacturing technologies (Same as Manufacturing Technology 111.)

CSU

ENGR 114

Geometric Dimensioning and Tolerancing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Drawing interpretation utilizing geometric dimensioning and tolerancing per ASME Y14.5M (formerly ANSI Y14.5M) as applied in engineering, manufacturing, and inspection. Suggested preparation: prior course or experience in drafting with conventional dimensioning and tolerancing. (Same as Manufacturing Technology 114)

CSU

ENGR 118 (C-ID ENGR 180)

Surveying

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MATH 162 or MATH 170 or transcripted high school trigonometry or pre-calculus

The course applies theory and principles of plane surveying: office computations and design; operation of surveying field equipment; and production of engineering plans/maps. Topics include distances, angles, and directions; differential leveling; traversing; property/boundary surveys; topographic surveys/mapping; volume/earthwork; horizontal and vertical curves; land description techniques; and GPS. Field work using tapes, levels, transits, theodolites, total stations, and GPS.

CSU/UC

ENGR 119

Advanced Plane Surveying

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGR 118 or Instructor may waive if student can show proof of industry experience in surveying equal to or greater than ENGR 118.

A second course in surveying with emphasis on coordinate geometry calculations. Topics include: route surveying with horizontal and vertical curves, topographic surveying and mapping, construction surveying, introduction to geospatial technologies, boundary surveying and surveys of public lands. Field surveying projects. Completion of Engr 118 and 119 assists in passing the land-surveyor-in-training (LSIT) exam.

CSU/UC

ENGR 122

Engineering Drawing

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

Principles of engineering drawing: projections, views, sections, dimensions, tolerancing, assemblies, manufacturing processes, engineering drafting practices. Utilizing 2D CAD and 3D solid modeling CAD software. Suggested preparation: prior course or experience in drafting and CAD.

CSU/UC

ENGR 125 (C-ID ENGR 150)

Engineering Graphics

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MATH 162

This course covers the principles of engineering drawings in visually communicating engineering designs and an introduction to computer-aided design (CAD). Topics include: the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; the engineering design process. Assignments develop sketching skills for 2-D and 3-D CAD. The use of CAD software is an integral part of the course.

Suggested preparation: prior course or experience with drafting and CAD.

CSU/UC

ENGR 132

Introduction to Robotics

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Introductory course in robotics. Topics include: basic design, sensors, actuators, circuits, programming, micro-controllers, and a hands-on robot construction project.

CSU

ENGR 133

Mechatronics I

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

A first course in mechatronics. Topics emphasize hands-on work and include: solid modeling design, micro-controllers and programming, rapid prototype fabrication, testing, measurement, actuators, sensors, and basic electronics. Prior experience with Solidworks, Arduino, and basic algebra is suggested but not required.

CSU

ENGR 134

Mechatronics II

Unit(s): 3.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGR 133

A second course in mechatronics. Topics emphasize hands-on work and include: solid-modeling design, rapid prototype fabrication, testing, measurement, micro-controllers, programming, industrial robotics, and PLC control. Prior experience or coursework in Solidworks, Arduino, and basic algebra is strongly suggested.

CSU

ENGR 154

Revit and Civil Drafting

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Course introduces Autodesk Revit, a 3D parametric CAD software that is an industry standard for architectural/civil design. Topics include 3D modeling, design, drawing creation, and BIM (building information modeling) concepts. Course also teaches creation of industry-standard drawings in civil engineering, architecture, and construction using industry-standard CAD software (AutoCAD, Civil 3D, and Revit). Topics include - views, line types, projection, annotations, and callouts. Prior course or experience with AutoCAD (e.g., Engr 183) and drafting is strongly suggested.

CSU

ENGR 158

Basic Machining Concepts and Operations

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 126.000 Lab total.

Fundamental operations on lathes, milling machines, grinders, and drill presses, including precision measurements and layout. Equips students with skills and theory necessary to enter or upgrade within the machinist trade. (Same as Manufacturing Technology 158).

CSU

ENGR 183

AutoCAD I

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

A first course in AutoCAD by Autodesk, an industry standard engineering CAD software, especially in the civil and architectural fields. Topics include display and file management, units, entities, object selection, advanced editing, layers, dimensions, text, and graphic exchange.

CSU/UC

ENGR 184

AutoCAD II

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

A second course in Autodesk AutoCAD, an industry standard engineering CAD software, especially in the civil and architectural fields. Topics include: advanced dimensioning, viewports, hatches, blocks, plotting, attributes, inquiry, intermediate apps, working drawings, introduction to 3D CAD. Suggested preparation: prior course or experience with AutoCAD.

CSU

ENGR 185

Civil 3D

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Course teaches Autodesk Civil 3D – an industry standard CAD software for civil engineers. Topics include advanced modeling, model merging, project management, parcels, surveys, surfaces, alignments, profiles, 3D rendering, and presentation. Prior coursework or experience with AutoCAD is strongly suggested.

CSU

ENGR 235 (C-ID ENGR 130)

Statics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: and MATH 185

A first course in engineering mechanics: properties of forces, moments, couples and resultants; two- and three-dimensional force systems acting on engineering structures in equilibrium; analysis of trusses, and beams; distributed forces, shear and bending moment diagrams, center of gravity, centroids, friction, and area and mass moments of inertia. Utilizes SI metrics.

CSU/UC

ENGR 240 (C-ID ENGR 230)

Dynamics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGR 235

Fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include kinematics of particle motion; Newton's second law, work-energy and momentum methods; kinematics of planar motions of rigid bodies; work-energy and momentum principles for rigid body motion; introduction to mechanical vibrations.

CSU/UC

ENGR 250

Electric Circuits

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Corequisite: Completion of or concurrent enrollment in: MATH 280 and PHYS 227

Corequisite: Concurrent enrollment in: (both may be taken previously or concurrently)

An introduction to the analysis of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts.

CSU/UC

ENGR 250L

Electric Circuits Laboratory

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Corequisite: Concurrent enrollment in: ENGR 250

An introduction to the construction and measurement of electrical circuits. Basic use of electrical test and measurement instruments including multimeters, oscilloscopes, power supplies, and function generators. Interpretation of measured data under DC, transient, and sinusoidal steady-state (AC) conditions.

CSU/UC

ENGR 280 (C-ID ENGR 240)

Strength of Materials

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGR 235

This course is a study of stresses, strains and deformations associated with axial, torsional and flexural loading of bars, shafts and beams, as well as pressure loading of thin-walled pressure vessels. The course also covers stress and strain transformation, Mohr's Circle, ductile and brittle failure theories, and the buckling of columns. Statically indeterminate systems are also studied.

CSU/UC

English (ENGL)

ENGL C1000 (C-ID ENGL 100)

Academic Reading and Writing

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Placement as determined by college's multiple measures assessment process.

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research.

CSU/UC

ENGL C1000E

Academic Reading and Writing

Unit(s): 5.000 Class Hours: 72.000 Lecture total, 54.000 Lab total.

Prerequisite: Placement as determined by the college's multiple measures assessment process.

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This course includes embedded support.

CSU/UC

ENGL C1000H (C-ID ENGL 100)

Academic Reading and Writing - Honors

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Placement as determined by the college's multiple measures assessment process.

Limitations of Enrollment: A high school or college GPA of 3.0 or above.

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. This is an honors course.

CSU/UC

ENGL C1001 (C-ID ENGL 105)

Critical Thinking and Writing

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: College-level composition (ENGL C1000/ENGL C1000H/ ENGLC1000E/C-ID ENGL 100) or equivalent

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course.

CSU/UC

ENGL C1001H (C-ID ENGL 105)

Critical Thinking and Writing - Honors

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: College-level composition (ENGL C1000/ENGL C1000H/ENGLC1000E/C-ID ENGL 100) or equivalent

Limitations of Enrollment: A high school or college GPA of 3.0 or above.

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 College Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. This is an honors course.

CSU/UC

ENGL C1003 (C-ID ENGL 105, C-ID ENGL 110, C-ID ENGL 120)

Critical Thinking and Writing through Literature

Formerly: Literature and Composition

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.

In this course, students receive instruction in analytical, critical, and argumentative writing. Students develop critical thinking, close reading and literary analysis skills, research strategies, information literacy, and knowledge of accurate documentation through the study of diverse literary works from a variety of literary genres, developing an appreciation for literature. This second-semester composition course uses literature to develop critical thinking skills with extensive readings selected from the four major genres. *Formerly: ENGL 102 - Literature and Composition.*

CSU/UC

ENGL C1003H (C-ID ENGL 105, C-ID ENGL 110, C-ID ENGL 120)

Critical Thinking and Writing through Literature - Honors

Formerly: Honors Literature and Composition

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.

Limitations of Enrollment: A high school or college GPA of 3.0 or above.

In this course, students receive instruction in analytical, critical, and argumentative writing. Students develop critical thinking, close reading and literary analysis skills, research strategies, information literacy, and knowledge of accurate documentation through the study of diverse literary works from a variety of literary genres, developing an appreciation for literature. This is an honors course. An enriched approach designed for honors students. This second-semester composition course uses literature to develop critical thinking skills with extensive readings selected from the four major genres. *Formerly: ENGL 102H - Honors Literature and Composition.*

CSU/UC

ENGL 066

Route to Writing Success: Freshman Composition Laboratory

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Corequisite: Concurrent enrollment in: ENGL C1000

Laboratory exercises are designed to explore and understand the reading process, the writing process, grammar and punctuation rules in order to successfully complete English C1000. This class must be taken concurrently with an English C100 course.

(Pass/No Pass Only)

ENGL 104 (C-ID ANTH 130)

Language and Culture

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

General introduction to the processes of human communication emphasizing coextensive aspects of language and culture. Surveys core areas of linguistic anthropology: structural linguistics; biological basis of language; and sociolinguistics. Topics include acquisition of first and second languages, languages in contact, and the effects of both language and culture on inter/intra group communication. Languages spoken in the local area are used as basis of study. (Same as English 104.)

CSU/UC

ENGL 104H (C-ID ANTH 130)

Honors Language and Culture

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

General introduction to the processes of human communication, emphasizing coextensive aspects of language and culture. Surveys core areas of linguistic anthropology: structural linguistics, biological basis of language, and sociolinguistics. Topics include acquisition of first and second languages, languages in contact, and the effects of both language and culture on inter/intra group communication. Languages spoken in the local area are used as basis of study. Requires individual research and oral presentation of readings in a seminar setting (Same as ANTH 104H).

CSU/UC

ENGL 213 (C-ID ENGL 200)

Creative Writing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Introduction to writing techniques focusing on the four literary genres. Workshop format, emphasis on writing and critiquing.

CSU/UC

ENGL 220

Survey of the Bible as Literature

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

A study of the literary history, influence, and craftsmanship of the Bible and an exploration of related stories, poems, plays, essays, and other diverse materials.

CSU/UC

ENGL 231 (C-ID ENGL 160)

Survey of English Literature I

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Introductory study of representative selections of British literature from the Anglo-Saxon period to the neo-classical period.

Emphasis on authors best exemplifying their period, such as Chaucer, Shakespeare, Spenser, Jonson, Milton, Donne, Dryden, Johnson, Behn, Pope and others.

CSU/UC

ENGL 232 (C-ID ENGL 165)

Survey of English Literature II

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Introductory study of representative selections from the English Romantic Movement to the present. Emphasis on those authors best exemplifying their period, such as Austen, Wordsworth, Coleridge, Byron, the Shelleys, Keats, Tennyson, Newman, Carlyle, the Brownings, Dickens, the war poets, Houseman, Yeats, Wilde and Woolf.

CSU/UC

ENGL 233A

Shakespeare's Comedies and Romances

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Study of selected Shakespearean comedies and romances. Emphasizes dramatic elements, depiction of human nature, and timeless/timely conflicts. Augmented by films and, if available, appropriate field trips. Different selections in English 233ABC.

CSU/UC

ENGL 233B

Shakespeare's Tragedies and History Plays

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Study of selected Shakespearean history plays and tragedies. Emphasizes dramatic elements, depiction of human nature, and timeless/timely conflicts. Augmented by films and, if available, appropriate field trips. Different selections in English 233ABC.

CSU/UC

ENGL 233C

Shakespeare's Theatre

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Study of selected Shakespearean plays. Emphasizes dramatic elements, depiction of human nature, and timeless/timely conflicts. Augmented by films and, if available, appropriate field trips. Different selections in English 233ABC.

CSU/UC

ENGL 241 (C-ID ENGL 130)

Survey of American Literature 1600-1865

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Survey of America's greatest works of literature from 1600-1865. Emphasizes the relationship between various works and general movements in American culture and literary history.

CSU/UC

ENGL 242 (C-ID ENGL 135)

Survey of American Literature, 1865-Present

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Survey of America's greatest works of literature and their contributions to the American culture from 1865 to present. Emphasizes the relationship between literary and intellectual history.

CSU/UC

ENGL 243

The Modern American Novel

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Study of significant American novels written since 1900. May include, but not limited to works by Fitzgerald, Hemingway, Faulkner, Hurston, Heller, Kerouac, Nabokov, Erdrich, Cisneros, and Morrison.

CSU/UC

ENGL 245

The Image of African Americans in Literature and Films

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Examines literature and films by and about African-Americans in relationship to historical periods. Explores cultural, ethnic, and social environments for their impact on development of African-American images.

CSU/UC

ENGL 246

Survey of Chicano Literature

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Examines American literature by and about Chicanos. Emphasizes the relationships between various works and the Chicanos' place in American society/culture.

CSU/UC

ENGL 270 (C-ID ENGL 180)

Children's Literature

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

A study of literature for children emphasizing the history, trends, issues, and evaluation of all major genres: picture books, poetry, drama, traditional literature, non-fiction, and fiction, including full-length works.

CSU/UC

ENGL 271 (C-ID ENGL 140)

Survey of World Literature I

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Survey of selections from world masterpieces from the beginnings of writing through the 1600's. Literary works studied in historical context for artistic form, their influence on their culture and others, and general contribution to understanding human experience.

CSU/UC

ENGL 272 (C-ID ENGL 145)

Survey of World Literature II

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 Completion with a grade of "C" or better in or ENGL C1000H

Survey of world literary masterworks since the Renaissance studied for artistic form, cultural influence, and contributions to modern and contemporary thought.

CSU/UC

ENGL 278

Survey of Literature by Women

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

An historical survey of literature by women. Will include short stories, novels, plays, poetry, and non-fiction.

CSU/UC

ENGL 301

Law and Literature

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Bachelor of Arts in Paralegal Studies program.

This course explores the intersection between law and literature, examining how legal concepts and issues are represented and interpreted through literary texts. Students will analyze various works of fiction, drama, and poetry that engage with legal themes such as justice, rights, and morality. The course will also delve into how literature reflects and critiques legal systems and practices and how they impact individuals and communities, as well as how legal frameworks influence literary production and interpretation.

English For Multilingual Students (EMLS)

EMLS N49

Introduction to Academic Speaking Skills

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Beginning course for non-native students with previous instruction in basic English as a second language. Includes listening discrimination, pronunciation, speaking and listening skill building. Skills are intensively practiced and reviewed. Not applicable to associate degree.

EMLS N52A

Beginning American English Pronunciation Skills

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Instruction in pronunciation of American English sounds,

identifying commonly mispronounced sounds, and common sound spelling patterns. Not applicable to associate degree.

EMLS N52B

Intermediate American English Pronunciation Skills

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: EMLS N52A

More extensive instruction in American English sounds. Emphasis on more difficult sounds, sound blends, word endings, syllable and word stress. Not applicable to associate degree.

EMLS 103

Grammar for Better Writing I

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Completion of EMLS self-guided placement is recommended. Taking EMLS 104 concurrently is recommended.

Sentence refining course for multilingual students who can speak English but often make grammar mistakes when writing. Basic grammar including verb tenses, verbals, modals, nouns, pronouns, compound and complex sentences. Revision and editing.

CSU

EMLS 104

College Reading and Writing I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Reading and paragraph-level writing course for bilingual students who need to develop skills in reading academic material and writing academic paragraphs. Emphasis on connection between reading and writing, responding to reading critically, following the writing process and editing.

CSU

EMLS 105

Grammar for Better Writing II

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Sentence refining course for bilingual students who can speak English but often make grammar mistakes when writing. Grammar focus is on sentence level accuracy, including transitions, the passive voice and multi-clause sentences. Revision and editing.

CSU

EMLS 106

College Reading and Writing II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Reading and short essay-level writing course for bilingual students who need to improve skills in reading academic material and writing academic essays. Emphasis on connection between reading and writing, responding to reading critically, following the writing process and editing.

CSU

EMLS 110

Introduction to the Essay

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Introductory essay writing course for bilingual students who speak English fluently but make multiple grammar errors when writing. This composition course progresses from paragraph to essay, emphasizing basic expository modes, grammar review, critical reading, and revision and editing techniques.

CSU/UC

EMLS 112

Advanced Composition

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Advanced-level writing course for bilingual students who are fluent in conversational English but make multiple grammar errors when writing. Emphasis is on complex expository modes, grammatical accuracy in writing, grammar review, research methods, critical reading skills, and revision and editing techniques.

CSU/UC

Entrepreneurship (ENTR)

ENTR 100

Introduction to Innovation and Entrepreneurship

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Discover how the entrepreneurial mindset teaches life skills that can make you more successful now and at every stage of your life. Examine how that mindset affects the social, psychological, and physiological impact of those life skills. Learn the basics of how to start a business and learn how to think like an entrepreneur.

CSU

ENTR 105

Social Media and Digital Marketing Strategies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Learn the latest social media and digital marketing strategies and techniques. Discover how to do more with marketing while spending less. Discover the role of digital media in consumer behavior and implications for marketing strategies. Learn digital marketing metrics, analysis of online business models, and future trends in digital marketing.

CSU

ENTR 111

Entrepreneur/Business Case Study

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Using Entrepreneurial Business cases studies in a highly interactive environment you will learn how to make business decisions. You will learn how to analyze entrepreneurial issues and problems and find creative, profitable, impactful solutions that can be applied to the real world of business.

CSU

ENTR 130

Business Writing for Social Media

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Learn how to write professional business content for social media and digital marketing by focusing on purpose and intended audiences. Learn proper techniques and innovative marketing writing strategies to become effective at using current industry standard social media platforms such as Instagram, Twitter, Facebook, Snapchat, Pinterest, and YouTube videos. Same as MKTG 130.

CSU

ENTR 140

Fashion E-Commerce

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to apparel retailing with an emphasis on Fashion e-Commerce. Includes concepts of the organization, development and management practices of the apparel retail sector. Topics include types of apparel retailing, multi-channel retailing, apparel consumer behavior, retail marketing and pricing strategies, logistics, retail operations management, and analytical software. Learn how to create and manage an e-Commerce store. (Same as FDM 140.)

CSU

Environmental Studies (ENVR)

ENVR 140 (C-ID GEOL 130)

Environmental Geology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to environmental geology, the interaction between the Earth and mankind. Global study of geologic resources, resource management, geologic hazards, and waste remediation. Optional field trip. (Same as Geology 140).

CSU/UC

ENVR 140L

Environmental Geology Lab

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: ENVR 140 or GEOL 140

This course is the laboratory component to Environmental Geology (GEOL140). This course focuses on the interaction between humans and the Earth's near-surface environment. Students will explore environmental hazards, resource assessments, and regional planning through laboratory exercises and case studies. Course emphasizes the Earth system and connections between the geosphere, biosphere, atmosphere, and hydrosphere. (Same as GEOL 140L)

CSU/UC

ENVR 200

Human Ecology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A biological and physical science introduction to environmental problems such as energy, resources, pollution, land use, population and food, including economic and political factors. A natural science elective. (Same as Biology 200)

CSU/UC

ENVR 259

Environmental Biology

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Introduction to Environmental Biology. Includes study of ecosystems, population dynamics, classification, diversity of plant and animal species, effects of pollutants at both the cellular and organismal levels, and principles of ecology (Same as Biology 259). Field trips required.

CSU/UC

ENVR 262

Undergraduate Research Experience

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

Under the supervision of Science faculty, students will select and/or design a research project to be completed during the semester. Topics include fieldwork, information retrieval, computer skills applied to laboratory research, time management and organizational skills, application of modern research methods, experimental design, data collection and analysis, basic statistical reasoning and presentation skills (written and oral). This course is intended for students pursuing a STEM degree and require approval by applicable Science department faculty.

CSU

ENVR 370

Environmental Impacts of Industrial Development

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Automotive Technology baccalaureate degree program at Santa Ana College.

This course will explore the environmental impacts of industrial technology starting with the industrial revolution of the late 19th century and concluding with modern times. Topics may include air pollution, water contamination and cleanup, physical changes to the landscape, changes to weather and climate over time, changes to plant and animal life over time, and technological changes invented regarding environmental impact.

Ethnic Studies (ETHN)

ETHN 102

The Borderlands: Cultural Context and Intercultural Relations

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course analyzes the United States-Mexican border and its regions. This course dissects the geographical, historical, and artistic significance. Dialogues occur within the context of "borders" and their intersectionality of international, regional, community, intersectional, transnational, and personal contexts concerning interethnic/intercultural relations. Attention is given to the intersectionality of Native American/First People, African/Black American, Chicana/Chicano/Chicanx/Xican@/Xicana/Xicano/ Xicanx, Latin Americans/Latina American/Latino American/Latinx American, and Asian American ethnic groups within mainstream U.S. society. Duplicate credit not granted for ETHN 102H.

CSU/UC

ETHN 102H

Honors the Borderlands: Cultural Context and Intercultural Relations

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

This course analyzes the United States-Mexican border and its regions. This course dissects the geographical, historical, and artistic significance. Dialogues occur in the context of "borders" and their intersectionality of international, regional, community, intersectional, transnational, and personal contexts concerning interethnic/intercultural relations. Attention is given to the intersectionality of Native American/First People, African/Black American, Chicana/Chicano/Chicanx/Chican@/Xicana/Xicano/ Xicanx, Latin American/Latina American/Latino American/Latinx American, and Asian American ethnic groups within mainstream U.S. society. Duplicate credit not granted for ETHN 102.

CSU/UC

ETHN 150 (C-ID SJS 110)

Introduction to Ethnic Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course serves to broaden the ethnic and racial perspectives of students interested in American culture and society. A transdisciplinary, multisectoral, and multidimensional approach will be employed to study the social, cultural, political, and economic aspects of four ethnic groups -- Native/First People Americans, African/Black Americans, Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx/Latin/Latina /Latino/Latine/Latinx Americans, and Asian Americans. Emphasis is placed on these groups' historical and contemporary relationships with each other and the rest of American society—Duplicate credit not granted for ETHN 150H.

CSU/UC

ETHN 150H (C-ID SJS 110)

Honors Introduction to Ethnic Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

This course serves to broaden the ethnic and racial perspectives of students interested in American culture and society. A transdisciplinary, multisectoral, and multidimensional approach will be employed to study the social, cultural, political, and economic aspects of four ethnic groups — Native/First People Americans, African/Black Americans, Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx/Latin/Latina /Latino/Latine/Latinx Americans, and Asian Americans. Emphasis is placed on these groups' historical and contemporary relationships with each other and the rest of American society—Duplicate credit not granted for ETHN 150.

CSU/UC

Fashion Design and Merchandising (FDM)

FDM 052

Knit and Swim Suit Sewing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Construction techniques to sew lingerie, bathing suits, athletic attire, and knit t-shirts. Emphasis is placed on serger and cover- stitch machine operation, fitting issues, and garment specification measurement techniques as related to knit garments for domestic and offshore production.

FDM 058

Decorative Apparel

Unit(s): 0.500 Class Hours: 4.500 Lecture total, 13.500 Lab total.

Applied techniques of sewing embellishments on surface textures. Techniques include hand embroidery, beading, and appliqué. (Pass/No Pass Only)

FDM 080

Embroidery

Unit(s): 1.500 Class Hours: 18.000 Lecture total, 27.000 Lab total.

Applied techniques of embroidered decorative embellishments using embroidery software and machinery.

FDM 081

Screen Printing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Application techniques of artistic designs and patterns using screen printing techniques. Course includes digital application of artwork and preparation for printing one-color designs. Course covers care, use, and safety precautions in operating and cleaning the silkscreen unit. Recommend some Adobe Illustrator knowledge prior to taking this course.

FDM 081L

Fabric Printing Lab

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: FDM 080

This course provides students enrolled in the Fabric Printing course with the opportunity for additional hours of work in the Fabric Printing Design Lab. Lab time is assigned on a space- available basis. Students completing 27 hours of lab work during the semester will receive .5 unit of credit. (Pass/No Pass Only)

FDM 082

Screen Printing Advanced Techniques

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: FDM 081

Advanced techniques screen printing using artwork with more than one color. Course includes digital application of multi-color artwork and preparation for printing two-color designs.

Recommended taking FDM 081 prior to taking this course.

FDM 100

Introduction to the Fashion Industry

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to the development, structure, and interrelationship of the global fashion industry, including: Consumer characteristics, product design, textile and apparel production, retail merchandising, brand marketing, distribution, and promotion. An introduction to apparel business organizations, their commercial processes and career opportunities. Oral, written, and multimedia reports on current topics relevant to the fashion industry.

CSU

FDM 101

Buying and Merchandising

Unit(s): 3.000 Class Hours: 50.000 Lecture total, 12.000 Lab total.

An introduction to retail buying and retail principles associated with planning, buying, pricing, and merchandising is provided. Includes application of Microsoft Excel methods to create buying plans to satisfy consumer demands while aligning revenue and inventory requirements. Course develops assortment planning and inventory management, SKU level demand analysis, inventory level evaluations, open-to-buy monitoring, and sales forecasting processes.

CSU

FDM 102

Promotion and Coordination

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A study of promotion techniques used by the apparel industry to raise awareness about goods and services for sale as well as to build brand image and recognition. Emphasis on new media including digital promotion strategies and social media. Includes promotion planning, direct marketing, public relations tools, salesmanship, and event production.

CSU

FDM 103

Fashion Selection

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will examine the interrelatedness of socio- psychological, economic, and political/religious influences on dress. Cross-cultural analysis and interpretation of Western and non-Western clothing behavior. Apparel selection is based on historical perspective, culture, and fashion trends. The fashion professional uses this information to better design, produce, and select products to meet the needs of a culturally diverse consuming population.

CSU

FDM 104

Textile Fibers and Fabrics

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 9.000 Lab total.

This course is a study of textile fibers and fabrics, their production/development, environmental impact, selection, use and care of wearing apparel and home furnishings. The course also covers current and future textile production and how appropriate performance characteristics are incorporated into materials and products.

CSU/UC

FDM 105A

Beginning Sewing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Apparel garment construction techniques including seam finishes, edge finishes, manipulating garment fullness, and applying closures. Students will construct three full-sized garments and a compilation of construction techniques. Students will conduct and document garment fittings, alter patterns, and apply fitting alterations to the sewn projects.

CSU

FDM 105AL

Beginning Sewing Laboratory

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: FDM 105A

This course provides the student enrolled in the Beginning Sewing course an opportunity for additional hours working in the Fashion Design Lab. Lab time is assigned on a space available basis.

Students completing 27 hours of lab work during the semester will receive .5 unit of credit. (Pass/No Pass Only)

CSU

FDM 105B

Intermediate Sewing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: FDM 105A Recommended preparation includes being able to name and sew a minimum of six different types of seams and hems without having to look them up or completion of Fashion Design Merchandising 105A, Beginning Sewing.

Follow-up of Fashion Design Merchandising 105A, Beginning Sewing. Coordination of woven fabrics and pattern fitting in construction of class projects such as pants, dress shirts, and unlined jackets. Includes intermediate sewing technique samples such as tailored plackets, various fly zipper applications, bound buttonholes, and welt pockets.

CSU

FDM 106

Couture Sewing

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Couture clothing construction techniques appropriate for creating custom garments. Emphasis is placed on working with designer patterns, complex contemporary fabrics, couture sewing techniques, and embellishment techniques. Embellishment techniques include tambour beading, sequins, and heirloom techniques. Projects include a custom formal occasion garment, an heirloom embellishment, and a collection of hand sewn samples.

CSU

FDM 107

Custom Tailoring

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Advanced sewing students will apply traditional tailoring techniques in completing a lined suit or coat, including hand pad stitching and edge taping.

CSU

FDM 108

RTW Apparel Quality and Construction Analysis

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An analysis of ready-to-wear apparel for quality evaluation of materials, construction, design, fit, care, and pricing related to consumer buying expectations. Introduction and application of garment industry manufacturing processes using production equipment to mass produce consumer products. Includes Enterprise Resource Planning (ERP), retail math, and Product Data Management (PDM) training. Students will learn how to take design concepts through the sourcing, costing, and production process to create a specifications/technical package. Includes concepts of sizing and principles of fit.

CSU

FDM 109

Flat Pattern Techniques

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Students learn to pattern draft garments using 3D software and also export their patterns to paper to be cut and sewn into fabric samples. Includes development of the basic body sloper, collars, necklines, skirts, waistlines, sleeves, panels, and yokes. POM (Point of Measurement) specifications are discussed in relation to both pattern development and finished garments.

CSU

FDM 110

Corset Construction

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: FDM 105A Recommended to have basic sewing skills before taking this course.

Class covers historical and modern corsets. Students will build a corset from start to finish, including pattern drafting, boning construction, and fitting techniques. Students will also build a bustier dress.

CSU

FDM 111A

Fashion Illustration Techniques

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Application of the basic techniques of drawing fashion and garment flat trade sketches, graphic art prints, and all-over repeat tile prints. Emphasis on current fashion industry design software Adobe Illustrator with some Photoshop and 3D software. Pencils, markers, and watercolors are also incorporated.

CSU

FDM 111AL

Computer Fashion Laboratory

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: FDM 111A

This course provides the student enrolled in the Computer Fashion Illustration course an opportunity for additional hours working in the Fashion Computer Lab. Lab time is assigned on a space available basis. Students completing 27 hours of lab work during the semester will receive .5 unit of credit. (Pass/No Pass Only)

CSU

FDM 112

Intermediate Flat Pattern Making

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FDM 109

A continuation of FDM 109 Flat Pattern Techniques, this course covers intermediate pattern drafting techniques not covered in FDM 109. Students learn to draft patterns for garments using 3D software and also export their patterns to paper to be cut and sewn into fabric samples. Includes development of patterns for various pants (culotte, trouser, slack, dungarees/overalls) and a tailored jacket. Other drafting techniques include various plackets, bias cut dresses, inserted and accordion pockets, various sleeve shapes, kimonos, dolmens, drop shoulders. POM (Point of Measurement) specifications are discussed in relation to both pattern development and finished garments.

CSU

FDM 113

Fashion Draping

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: FDM 105A

Basic techniques of draping flat fabric into three dimensional garment styles on the dress form to create first patterns. Students are required to sew their sample garments.

CSU

FDM 114

3D Design

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

This course will teach students how to create 3D garments in Clo3D/Marvelous Designer. This course will take students with no knowledge of 3D software to developing designs, doing fittings, and creating renders. By the end of the course, students will also develop a portfolio of several projects.

CSU

FDM 114C

3D Design- Swimwear

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

This course will teach students how to create a swim bra with underwire and swim bottoms with elastic in Clo3D/Marvelous Designer. This course will cover pattern creation, flattening techniques to create underwire, and seam stitching and puckering details related to swimwear. Students will render the final design and export a tech pack with a schematic render, POM (point of measurements), and a BOM (bill of materials).

CSU

FDM 114D

3D Design- Denim

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

This course will teach students how to create a 3D denim bottom garment in Clo3D/Marvelous Designer. This course will cover pattern creation, fabric texture, and seam stitching and puckering details. Students will render the final design and export a tech pack with a schematic render, POM (point of measurements), and a BOM (bill of materials).

CSU

FDM 115

3D Design- Intermediate

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

3D simulation allows the creation of garment styles with intricate and realistic details and fit. In this class, students will design a variety of garments with complicated pattern pieces and sewing construction by creating patterns or importing pattern files in AAMA/ASTM .dxf format. Students will utilize the fitting tools in 3D to improve garments and create visual presentations for retailers. Students will also create a natural simulation environment to display and merchandise collections. This course also covers fabric creation including seamless repeats and utilizing maps to create realistic fabrics in 3D software.

CSU

FDM 117

Digital Machine Knitting

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Introduction to programming and operating industrial digital knitting machines. Students learn stitch programming, machine operation, and yarn applications to create knit structures and advanced techniques, including shaping, jacquard, intarsia, and cables. The course emphasizes technical proficiency and creative design, culminating in a professional sample book for portfolio development.

CSU

FDM 125

Visual Display Merchandising

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

The course focuses on visual merchandise techniques and materials in relation to the elements and principles of design and how they relate to the retail environment.

CSU

FDM 136 (C-ID THTR 174)

Introduction to Stage Costume

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

Students will study costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated. (Same as THEA 136).

CSU/UC

FDM 140

Fashion E-Commerce

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to apparel retailing with an emphasis on Fashion e-Commerce. Includes concepts of the organization, development and management practices of the apparel retail sector. Topics include types of apparel retailing, multi-channel retailing, apparel consumer behavior, retail marketing and pricing strategies, logistics, retail operations management, and analytical software. Learn how to create and manage an e-Commerce store. (Same as Entrepreneurship 140 Fashion E-Commerce.)

CSU

FDM 212

Advanced Draping

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Fashion design draping techniques further practiced in designing a four piece collection. Students are required to sew their sample garments.

CSU

FDM 213

Apparel Line Production

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FDM 100 or FDM 108 and FDM 109 and FDM 111A Instruction on designing a fashion line using industry production techniques and equipment. Techniques include computer sketching, computer pattern drafting, garment construction, catalogue creation, and online portfolio development. This is a capstone class and should be taken student's final semester.

CSU

FDM 215

Intermediate Computer Fashion Illustration

Formerly: Computer Fashion Illustration

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: FDM 111A Suggested to take FDM 111A before taking this class

Intermediate computerized fashion illustration is taught using computer software. Software programs include Adobe Illustrator, Photoshop, InDesign, embroidery software, and 3D software.

Emphasis on the design of a garment collection and textile print designs using intermediate software illustration techniques and the pen tool. Recommended to take FDM 111A beforehand, or have strong knowledge of Adobe Illustrator's pen tool.

CSU

FDM 216

Computerized Garment Pattern Drafting

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: FDM 109

Computerized apparel pattern drafting is taught using 2D and 3D design software as tools. Students will create original garment designs, draft the patterns on the computer, and virtually sew them up on the 3D software using an avatar fit model to create a sample line video. Instruction also includes pattern size grading, point of measurements (POM), and marking.

CSU

FDM 299

Work Experience - Fashion Design

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

Recommended Preparation: 12 units of Fashion Design Merchandising courses completed with C or better.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

Fire Academy (FAC)

FAC 007

Strength and Conditioning for the Fire Service

Unit(s): 2.000 Class Hours: 8.000 Lecture total, 96.000 Lab total.

Corequisite: Concurrent enrollment in: FAC 050 and FAC 060A

Strength and conditioning course for students preparing for a career in the Fire Service. Emphasis will be placed on metabolic conditioning and strength development to meet the demand of fireground activities, attaining fireground movement competency and to obtain a passing score on the Physical Ability Test (PAT).

FAC 008

Biddle Physical Ability Test (PAT)

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 3.000 Lab total.

The Los Angeles County and Orange County Fire Chief's Physical Ability Test is designed to examine the physical ability of the individual when it comes to performing the functions or tasks of a firefighter. (Pass/No Pass Only)

FAC 017

Physical Ability Instructor Course

Unit(s): 0.200 Class Hours: 3.000 Lecture total, 2.000 Lab total.

Recommended Preparation: Fire Technology, Kinesiology, or Exercise Science-related courses.

Recommended to have familiarity with the essential job tasks in the fire service and with physical ability testing for entry-level firefighters.

Designed to train instructors to administer the validated firefighter Biddle Physical Ability Test (BPAT). This course will evaluate each instructor's ability to reliably and accurately administer and score the Biddle PAT. (Pass/No Pass Only)

FAC 018A

Firefighter I Physical Ability Practice (Exam)

Unit(s): 0.100 Class Hours: 1.000 Lecture total, 3.000 Lab total.

The Los Angeles County and Orange County Fire Chief's Physical Ability Test is designed to assess the physical ability of the individual related to performing the functions or tasks of a firefighter. This Practice Test course provides training and practice using test-specific equipment in a simulated testing environment. This course is designed for individuals who have never taken an official Biddle Physical Ability Test, as well as for those who are actively seeking employment in the fire service and desire practice and preparation before taking an official test. Students may not use this course to obtain eligibility for a Basic Fire Academy. A Biddle Certificate will not be issued, even if a student achieves a passing time. (Pass/No Pass Only)

FAC 018B

Beginning Fire Physical Ability Training

Unit(s): 0.100-0.500 Class Hours: 5.000-32.000 Lab total.

Students will be introduced to the events of the "Biddle" Fire Fighter Physical Ability Test (Fire Academy 008). This is a supplemental learning assistance course designed to prepare the student for participation and successful completion of FAC 008. Students will perform physical exercise using fire hose, ladders, stairs, TRX, kettlebells and other equipment. Students will learn proper body mechanics; correct lifting techniques and appropriate physical conditioning principles.

FAC 018C

Intermediate Fire Physical Ability Training

Unit(s): 0.100-0.500 Class Hours: 5.000-32.000 Lab total.

Students will practice the individual events of the "Biddle" Fire Fighter Physical Ability Test (Fire Academy 008). This is a supplemental learning assistance course designed to prepare the student for participation and successful completion of FAC 008.Students will perform physical exercise using fire hose, ladders, stairs, TRX, kettlebells and other equipment. Students will learn proper body mechanics; correct lifting techniques and appropriate physical conditioning principles.

FAC 018D

Advanced Fire Physical Ability Training

Unit(s): 0.100-0.500 Class Hours: 5.000-32.000 Lab total.

Students will practice and conditon for successful completion of the "Biddle" Fire Fighter Physical Ability Test (Fire Academy 008).

This is a supplemental learning assistance course designed to prepare the student for participation and successful completion of FAC 008. Students will perform physical exercise using fire hose, ladders, stairs, TRX, kettlebells and other equipment. Students will learn proper body mechanics; correct lifting techniques and appropriate physical conditioning principles.

FAC 028

Physical Training for Fireground Operations

Unit(s): 0.200-2.000 Class Hours: 0.000-8.000 Lecture total, 12.000-96.000 Lab total.

Prerequisite: Completion of an approved Fire Academy or signed statement by the agency's Fire Chief or designee stating the sponsored student is eligible to complete the training requirements for FFI.

Physical training course will provide an intense hands-on approach to fireground movement and energy system specificity. Focus will be on skill competency, an understanding of performance enhancement, and injury prevention practices.

Students will gain knowledge of proper training practices through lecture and participation in physical training designed to overload, progress, and decrease reversibility in an effective and safe manner. (Pass/No Pass Only)

FAC 029

Public Safety Wellness and Fitness-Operation and Safety Training

Unit(s): 2.000 Class Hours: 8.000 Lecture total, 95.000 Lab total.

Occupation-specific wellness and fitness principles to prepare those who respond to emergencies, accidents, local and national disasters, and terrorist attacks. Physical fitness concepts and activities prepare the student for any threat, whether physical, environmental, or psychological. Individualized fitness assessment, health and fitness profile, and exercise prescription will be provided. (Pass/No Pass Only)

FAC 031

Fire Specialist Academy, Common Passenger Vehicle Rescue Technician

Unit(s): 0.500 Class Hours: 6.250 Lecture total, 17.750 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: IS-100, IS-200, IS-700, IS-800 (FEMA Online) and Public Safety First Aid and CPR (CA Health and Safety Code 1979.182) and Full structural personal protective equipment (including eye and hand protection)

Corequisite: Completion of or concurrent enrollment in: Firefighter I training (certification not required)

This course provides the knowledge and skills to prepare an emergency responder to extricate victim(s) from a common passenger vehicle in a safe and effective manner in accordance with AHJ policies and procedures. Topics include sizing up an incident; creating an incident action plan; establishing safety zones; mitigating hazards; stabilizing and creating access and egress openings for rescue from a vehicle resting on its wheels, side, and roof or in a multi-hazard configuration or environment; disentangling and removing victims; and terminating an incident. This course incorporates awareness, operations, and technician training based on NFPA 1006 (2021). (Pass/No Pass Only)

FAC 035

Confined Space Rescue Technician

Unit(s): 1.000 Class Hours: 10.250 Lecture total, 29.750 Lab total.

Prerequisite: Confined Space Rescue Awareness. This course is an intensive hands-on training program that will prepare you to respond to confined space emergencies. This

course of instruction prepares the student for identifying confined spaces and permit-required confined spaces, the hazards associated with permit required confined spaces, target industries and hazards, state and federal regulations, components of a rescue operation, and the roles and responsibilities of the rescue team. Additional materials fee may be required for State course completion certificate. This course is limited to 36 students.

FAC 041A

Wildland Reserve Firefighter Academy

Unit(s): 8.000 Class Hours: 144.000 Lecture total, 22.000 Lab total.

Provides a basic level of knowledge, skills, and ability among those individuals destined for assignment to a wildland fire crew. Meets fire service requirements for safety. Additional materials fees may apply. Not offered every semester. (Pass/No Pass Only)

FAC 050

Fire Suppression Training Academy

Unit(s): 20.000 Class Hours: 266.000 Lecture total, 294.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Concurrent enrollment in FAC 007. Medical exam in accordance with National Fire Protection Association (NFPA) 1582 and FAC 008.

Basic level of knowledge, skills, and ability among those individuals destined for assignment to a wildland fire crew. Includes EMS and Hazmat First Responder. Meets departmental requirements for safety. Does not meet the requirements of Orange County Fire Chief's Association (OCFCA) or California State Firefighter I criteria. Additional materials fees may apply. Not offered every semester. (Pass/No Pass Only)

FAC 060A

Basic Fire Academy- Fire Fighter 1A Structure

Unit(s): 10.000 Class Hours: 84.000 Lecture total, 288.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FTC 121L and FTC 101 and FTC 102 and FTC 103 and FTC 104 and FTC 105 and FTC 106 and FTC 121 and FAC 007 and FAC 008

This course provides the first level of professional training needed to obtain California Fire Fighter 1 (2019) certification. Students will learn the skills and knowledge needed for the entry-level fire fighter to perform structural suppression activities. Key learning concepts include: fire fighter safety; communications; cleaning, maintaining, and utilizing equipment and tools; building construction and fire behavior; water supply; ladder operations; forcing entry into a structure; conducting search and rescue operations; attacking an interior structure fire; horizontal and vertical ventilation; property conservation; fire scene overhaul; fire fighter survival; and fire suppression with Class A materials, vehicles, and ground cover. Students are required to complete all applicable certification exams. All Fire Fighter 1 (2019) cognitive exam modules will be delivered through the State Fire Training User Portal. State Fire Training will issue IFSAC and Pro Board accredited certifications to all eligible applicants for California Fire Fighter 1 (2019) certification. Material fees required. Students must rent approved turn-outs and other personal protective equipment from designated vendor. Departmental approval required for enrollment.

FAC 060B

Firefighter 1B - Hazardous Materials / WMD

Unit(s): 1.000 Class Hours: 24.000 Lecture total, 8.000 Lab total.

This course provides the awareness skills and knowledge needed for the entry-level firefighter to recognize and identify hazardous materials and weapons of mass destruction (WMD), isolate hazards and deny entry, and initiate required notification. At the operations level, this course provides the skills and knowledge needed to identify incident scope; select, use, and inspect PPE; perform emergency decontamination; perform assigned tasks at a hazardous materials/WMD incident including product control techniques; and evaluate and report incident progress (2019). A California Firefighter 1 certification contains three levels of Professional Qualifications set by the National Fire Protection Association (NFPA). FF 1B includes the second level of professional qualifications: NFPA 1072: Hazardous Material Awareness and Operations. Material fees required.

FAC 060C

Firefighter 1C - Wildland Firefighter 1

Unit(s): 2.000 Class Hours: 30.000 Lecture total, 26.000 Lab total.

Corequisite: Concurrent enrollment in: FAC 060A

This course provides the skills and knowledge needed for the entry-level firefighter to recognize hazards and unsafe situations; don, doff, and maintain wild and personal protective equipment; deploy a fire shelter; maintain suppression hand tools and equipment; assemble and prepare for response; construct and secure a fire line; reduce the threat of fire exposure to improved properties; and mop up and patrol a fire area when working with wild land fires. Firefighter 1C, Wildland Course Plan (2019) A California Firefighter 1 certification contains three levels of Professional Qualifications set by the National Fire Protection Association (NFPA). FF1C includes the third level of professional qualifications: NFPA 1051: Wildland Firefighter 1. Material fees required. Students must rent approved turn-outs and other personal protective equipment from designated vendor.

Departmental approval required for enrollment.

FAC 062

Basic Incident Command Systems

Unit(s): 0.400 Class Hours: 8.000 Lecture total.

Basic principles of command, knowledge, and skills common to all positions in the Incident Command System (ICS). (Pass/No Pass Only)

FAC 062A

Strike Team Leader Orientation (ICS)

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

State Office of Emergency Service procedures for fire departments assigned to OES when responding to a mutual aid incident. (Pass/No Pass Only)

FAC 063

Rope Rescue Awareness/Operations

Unit(s): 1.000 Class Hours: 12.250 Lecture total, 27.750 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: IS-100, IS-200, IS-700, IS-800 (FEMA Online)

Corequisite: Corequisite: Firefighter I Training (certificate not required)

Designed for all fire service and allied emergency response personnel. Key topics include: Team organization; rescue and environmental considerations; use of ropes and knots; operation of simple, complex, and compound rope rescue systems; descending, rappelling, and belaying tools and techniques, low- angle and high-angle rescue, use of fire service ladders in specialized rescue situations, and day and night simulated rescue exercises. Additional materials fees may be required. May not be offered every semester. (Pass/No Pass Only)

FAC 070

OSFM Fire Fighter I (2019) Certification

Unit(s): 0.500 Class Hours: 4.000 Lecture total, 36.000 Lab total.

Prerequisite: ALTERNATE DELIVERY CANDIDATE: Prior to attending this course, students must complete all Firefighter 1 training including the hourly requirements found in the State Fire Training FF1A: Structure; FF1B HazMat FRA/FRO; and FF1C Wildland Course Plans. Students must have completed FEMA Independent study courses IS-100, IS-200, IS-700, IS-800; and Confined Space Rescue Awareness (SFT or IAFF). Prior to Day 1 of the course, students must submit to the Fire Technology Department: a letter of verification from their agency Training Officer or Fire Chief that he or she has completed all required training and pre-requisites (found on SFT website and listed above); and a completed SFT FF1 Training Record (current edition) (found on SFT website) on Day 1 of the course. UPGRADE CANDIDATE: An Upgrade Candidate is defined as a student having an SFT Certification (for the level seeking an upgrade) and is seeking to upgrade to IFSAC/Pro Board cerfitication. The candidate shall provide the Fire Academy Commander and/or the Lead Evauator, on Day 1 of the course, with an Exam Authorization provided by SFT to ARTP (SAC) as proof of exam eligibility. RECIPROCITY CANDIDATE: A Reciprocity Candidate is defined as a student having IFSAC/Pro Board certification(s) and seeks SFT certification reciprocity (generally a candidate who received their certification outside of California.) The candidate shall provide the Fire Academy Commander and/or the Lead Evauator, on Day 1 of the course, with an Exam Authorization provided by SFT to ARTP (SAC) as proof of exam eligibility. All student-candidates are expected to be prepared to take the three (Structure, HazMat, Wildland) Cognitive Exams and be proficient in all SFT FF1 Skills prior to Day 1 of the course. Students must have their SFT ID# available and have previously set-up and logged in to their SFT Acadis Portal on the SFT website.

This course provides students the opportunity to complete Cognitive and Psychomotor Skills Certification Exam testing needed to obtain California State Fire Training (SFT) Fire Fighter 1 (2019) certification. Students are required to complete with a passing score all applicable portions of the certification exams. All Fire Fighter 1 (2019) cognitive exam modules will be delivered through the State Fire Training User Portal. State Fire Training will issue IFSAC and Pro Board accredited certifications to all eligible applicants for California Fire Fighter 1 (2019) certification. SFT Certification Fee required. The course does not include any Firefighter 1 instruction. Limited time will be provided for some, not all, skills practice. May be offered concurrently with FAC060, FAC060A, FAC060B, FAC060C, or FAC070. Authorization from the Fire Technology Department is required for enrollment. Students must provide required PPE along with a letter from their home agency Training Officer on agency letterhead, validating that the PPE meets all applicable NFPA standards and is within it's 10-year service life. Students may provide their agency SCBA and facepiece, which requires a letter from their home agency Training Officer on agency letterhead, validating that the SCBA meets all applicable NFPA and NIOSH standards. Optionally, the Santa Ana College Firefighter 1 Academy can provide a Scott X-3 Pro SCBA and appropriate facepiece. (Pass/No Pass Only)

FAC 070B

OSFM Firefighter 2 Certification

Unit(s): 0.200 Class Hours: 1.500 Lecture total, 6.500 Lab total.

Recommended Preparation: Prior to attending this course, students must have provided: A copy of a valid SFT FF1 Certificate and a letter of verification from their agency Fire Chief that he or she has completed all required training, including the hourly requirements; and pre-requisites for Firefighter 2 (found on SFT website) A completed SFT FF2A Training Record (current edition) on Day 1 of the course. Students must provide required PPE along with, prior to Day 1 of the course and a letter from their home agency Training Officer on agency letterhead, validating that the PPE meets all applicable NFPA standards and is within its 10-year service life. Students may provide their agency SCBA and facepiece, which requires a letter from their home agency Training Officer on agency letterhead, validating that the SCBA meets all applicable NFPA and NIOSH standards. Optionally, the Santa Ana College Firefighter Academy can provide a Scott X-3 Pro SCBA and appropriate face piece.

Limitations of Enrollment: Prior to attending this course, students must have completed: prior to Day 1 of the course, students must submit to the Fire Technology Department:

a copy of a valid SFT FF1 Certificate

a letter of verification from their agency Fire Chief that he or she has completed all required training, including the hourly requirements; and pre-requisites for Firefighter 2 (found on SFT website)

a completed SFT FF2A Training Record (current edition) (found on SFT website) on Day 1 of the course students must provide required PPE along with, prior to Day 1 of the course, a letter from their home agency Training Officer on agency letterhead, validating that the PPE meets all applicable NFPA standards and is within its 10-year service life. Students may provide their agency SCBA and facepiece, which requires a letter from their home agency Training Officer on agency letterhead, validating that the SCBA meets all applicable NFPA and NIOSH standards. Optionally, the Santa Ana College Firefighter Academy can provide a Scott X-3 Pro SCBA and appropriate facepiece.

This course provides students with the opportunity to complete the Cognitive and Psychomotor Skills Certification Exam testing needed to obtain California State Fire Training (SFT) Fire Fighter 2 (2024) certification. Students are required to complete with a passing score all applicable portions of the certification exams. All Fire Fighter 2 (2024) cognitive exam modules will be delivered through the State Fire Training User Portal. State Fire Training will issue IFSAC and Pro Board accredited certifications to all eligible applicants for California Fire Fighter 2 (2024) certification. SFT Certification Fee required. The course does not include any Firefighter 2 instruction. May be offered concurrently with FAC070. Authorization from the Fire Technology Department is required for enrollment.

(Pass/No Pass Only)

FAC 071A

Ventilation Review

Unit(s): 0.500 Class Hours: 8.000 Lecture total, 8.000 Lab total.

Theory of positive pressure ventilation and panelized roofs; students will participate in walking, sounding, and cutting panelized roofs. A materials fee may be required. Not offered every semester. (Pass/No Pass Only)

FAC 072

Trench Rescue Technician

Unit(s): 0.500 Class Hours: 5.750 Lecture total, 18.250 Lab total.

Prerequisite: Completion of an accredited CA Firefighter I Academy or equivalent training as determined by the Department Chair or Discipline Faculty, and Successful completion of Structural Collapse Specialist 1 or Rescue Systems 1; or A letter from the Fire Chief (or designee) stating the sponsored student has successfully completed the equivalent training.

This course provides the skills and knowledge needed for the trench rescue technician to work safely and efficiently in a trench rescue environment. This hands-on training program includes trench and excavation regulations, soil characteristics, trench configurations and hazards, rescue team preparation, incident response, initial on-scene and pre-entry operations, shoring systems and components, shoring system installation, victim rescue and recovery, and incident termination. This course incorporates awareness, operations, and technician training based on NFPA 1006 (2021).

FAC 076

Low Angle Rope Rescue Operational

Unit(s): 0.500-1.000 Class Hours: 12.000 Lecture total, 12.000-20.000 Lab total.

The Low Angle Rope Rescue Operational course is designed to provide training for responders in low angle rope rescue operations. These over-the-side operations may be the result of a vehicle accident, hiking mishap, swift water rescue, or search and rescue function in an urban or remote area. Materials fee may be required. Not offered every semester. (Pass/No Pass Only)

FAC 076A

High Angle Rope Rescue

Unit(s): 0.500 Class Hours: 12.000 Lecture total, 12.000 Lab total.

Designed to equip the students with information, techniques, and methods for utilizing rope, webbing, hardware, friction devices, and stretchers in high angle and high rise rope rescue situations. Additional materials fees may be required. Not offered every semester. (Pass/No Pass Only)

FAC 079A

S-339 Division/Group Supervisor- ALL RISK

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Certified in both courses, ICS-300, Intermediate I.C.S. ICS S-330

This course prepares students to perform in the role of division/group supervisor during wildland fire operations. It provides instruction in support of the specific tasks of the division/group supervisor, but will not instruct students in general management/ supervision or in the incident command system (ICS), both of which the student should learn through prerequisite work. Topics include division/group management, organizational interaction, division operations, all-hazard operations, and tactical decision games. There is a final examination in this course. May require additional material fees. Not offered every semester.

FAC 079B

AH-330 Strike Team/Task Force Leader – All Hazards (32 Hours)

Unit(s): 1.000 Class Hours: 22.000 Lecture total, 10.000 Lab total.

Prerequisite: ICS-200B: Incident Command Initial Action Incidents and CICCS qualified Engine Boss, Heavy Equipment Boss or Crew Boss for single resources.

This course is designed to provide the skills and knowledge needed to perform in the position of Strike Team/Task Force Leader. Topics include position overview, pre-deployment responsibilities, the concept of the position, resource typing standards, pre-dispatch preparation, incident responsibilities, administration, supervision, response, assignment, demobilization, tactics and safety, risk management, entrapment avoidance, WUI; case studies, scenarios, appropriate action vs. freelancing.

Designed for: Strike Team/Task Force Leader, All Hazards (STEN/TFLD). (Pass/No Pass Only)

FAC 079D

S-440 Planning Section Chief

Unit(s): 0.500 Class Hours: 4.000 Lecture total, 16.000 Lab total.

Prerequisite: Students must be qualified as a Situation Unit Leader (SITL). Students must be qualified as a Resources Unit Leader (RESL). Students must bring evidence to the first class meeting or be dropped from the class.

Designed to meet a portion of the training needs of the Planning Section Chief Type 2 for wildland fire operations. Topics include information gathering, strategies, meetings and briefings, incident action plans (IAP), interactions, forms, documents, supplies, demobilization, and an optional technology section. Additional fees may be required. Not offered every semester. (Pass/No Pass Only)

FAC 080B

S-190 Introduction to Wildland Fire Behavior

Unit(s): 0.400 Class Hours: 8.000 Lecture total.

This course provides instruction in the primary factors affecting the start and spread of wildfire and recognition of potentially hazardous situations. It is designed to meet the fire behavior training needs of a Fire Fighter Type 2 (FFT2) on an incident as outlined in the PMS 310-1, Wildland Fire Qualification System Guide and the position task book developed for the position. Not offered every semester. There may be additional materials fees. (Pass/No Pass Only)

FAC 080D

S-290 Intermediate Wildland Fire Behavior

Unit(s): 1.500 Class Hours: 32.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FAC 080B S-190 Certification. Students are required to bring a copy of their S-190 certificate to the first class session or they will be dropped from the course.

This is a classroom-based skills course designed to prepare the prospective fireline supervisor to undertake safe and effective fire management operations. It is the second course in a series that collectively serves to develop fire behavior prediction knowledge and skills. Fire environment differences are discussed, with a focus on local conditions. Materials fees may be required. Not offered every semester.

FAC 083

Hazardous Materials First Responder: Awareness Level

Unit(s): 0.100 Class Hours: 8.000 Lab total.

The purpose of this course is to provide participants who are likely first responders with an improved capability to respond to Haz Mat events in a safe and competent manner, within the typical resource and capability limitations at the "Awareness" Level. Meets the requirements of CFR 29 1910.120 and CCR Title 8, and satisfies the requirements for Fire Inspector I certification through both State Fire Training and the International Code Council. Additional material fees may be required. Not offered every semester. (Pass/No Pass Only)

FAC 084

Hazardous Materials First Responder Operational Level

Unit(s): 0.500 Class Hours: 16.000 Lecture total.

This class is designed for fire department personnel who may respond to releases or potential releases of hazardous materials as part of the initial response to the site for the purpose of protecting nearby persons, property, or the environment from the effects of the release. Defensive tactics to contain the release from a safe distance, keep it from spreading, and prevent exposures without trying to stop the release. This course may require additional materials fees for state course completion certificate.

This course is limited to 40 students. May not be offered every semester.

FAC 084A

Hazardous Materials First Responder Operational, Decontamination

Unit(s): 0.400 Class Hours: 8.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FAC 084

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: FAC 084 Participants who desire to take this training should have already had training equal to, or greater than, First Responder Operations (FRO), as defined in the OSHA HAZWOPER regulation. Proof of FRO training is required prior to attendance. Additionally, participants must have had sufficient training in Respiratory Protection that includes the ability to don and doff a Self-Contained Breathing Apparatus (SCBA).

This course is designed for hazardous material emergency response personnel. This course will provide the HazMat emergency responder with the processes used in decontamination and methods to limit the spread of hazardous materials contamination in a safe and competent manner. This is a hands-on class associated with Hazardous Materials First Responder, Operational. Additional materials fees may be required for the state certificate of completion. Not offered every semester. Additional material fees may be required.

Fire Officer Training (FOT)

FOT 008A

S-339 Division/Group Supervisor All Risk

Unit(s): 1.000 Class Hours: 20.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 033 I-400 Advanced ICS. Students must bring course completion certificate to first class session. and

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Qualified as Task Force Leader (TFLD), OR Qualified as Incident Commander Type 3 (ICT3); or qualified as Incident Commander Type 4(ICT4) and any two Strike Team Leader positions (one must be STCR or STEN.

This course prepares students to perform in the role of Division/Group Supervisor (DIVS). It provides instruction in support of the specific tasks of the Division/Group Supervisor, but will not instruct students in general management/supervision or in the Incident Command System (ICS), both of which the student should learn through prerequisite work. Topics include division or group management, organizational interaction, division operations, all-hazard operations, and tactical decision games (optional). The pre-course work consists of a professional reading assignment that can take from four to eight hours to complete. There is a final examination in this course. (Pass/No Pass Only)

FOT 008E

S-445 Incident Training Specialist

Unit(s): 0.500 Class Hours: 16.000 Lecture total.

Prerequisite: Read the pre-course work orientation guide Wildland Fire Qualifications System Historical Overview. Complete the pre-course work questions by referencing the Wildland Fire Qualifications System Historical Overview and the NIMS Wildland Fire Qualification System Guide, PMS 310-1.

Designated to train personnel to perform the duties of a Training Specialist. Duties include coordinating incident training opportunities and activities, ensuring the quality of training assignments, and completing documentation of the incident training. Additional course fees required for State Fire Training Certificate of Completion. This course may not be offered every semester. There may be additional material fees. Maximize class size: 40 (Pass/No Pass Only)

FOT 017

Fire Control 5

Unit(s): 1.000 Class Hours: 15.000 Lecture total, 9.500 Lab total.

This course provides students with the methods and techniques necessary for crash fire rescue (CFR) services at airports. Subjects include using conventional fire and specialized CFR apparatus, CFR extinguishing agents, types of aircraft, standby procedures, aqueous film forming foam, dual agent systems, and operations at crash scenes. The 24-hour class delivery includes a live burn.

FOT 033

ICS-400 Incident Command

Unit(s): 0.500 Class Hours: 15.000 Lecture total.

Prerequisite: ICS-100, Introduction to the ICS

ICS-200, Basic ICS for Initial Response ICS-300, Intermediate ICS for Expanding Incidents ISO-700, National Incident Management System, An Introduction ISO-800, National Response Framework, An Introduction. Students must bring documentation of prerequisites to first class meeting. Failure to comply will result in student being dropped.

This course provides training for personnel who require advanced application of the Incident Command System (ICS). This course expands upon information covered in ICS 100 through ICS 300 courses, which are prerequisites for the ICS 400 course.

FOT 035

Common Passenger Vehicle Rescue Technician Common Passenger Vehicle Rescue Technician (2021)

Unit(s): 0.500 Class Hours: 6.250 Lecture total, 17.750 Lab total.

Prerequisite: IS-100, IS-200, IS-700, IS-800 (FEMA – online) Public Safety First Aid (CA Health and Safety Code 1979.182) CPR (CA Health and Safety Code 1979.182)

This course provides the knowledge and skills to prepare an emergency responder to extricate victim(s) from a common passenger vehicle in a safe and effective manner in accordance with AHJ policies and procedures. Topics include sizing up an incident; creating an incident action plan; establishing safety zones; mitigating hazards; stabilizing and creating access and egress openings for rescue from a vehicle resting on its wheels, side, and roof or in a multi-hazard configuration or environment; disentangling and removing victims; and terminating an incident. This course incorporates awareness, operations, and technician training based on NFPA 1006 (2021). (Pass/No Pass Only)

FOT 044

Fire Investigation 1A: Fire Origin and Cause Determination

Unit(s): 1.500 Class Hours: 26.500 Lecture total, 13.500 Lab total.

Corequisite: Completion of or concurrent enrollment in: FTC 102 and Fire Control 1, or equivalent fire academy training and Basic Electricity, CFI Trainer course and Ethics and the Fire Investigator, CFI Trainer course

This course provides information on securing the fire scene and determining the origin and cause of the fire. Topics include responsibilities of a fire investigator, securing the fire ground, conducting an exterior and interior survey, analyzing fire patterns, interpreting individual fire patterns, discriminating the effects of explosions, examining and removing fire debris, reconstructing the area of origin, inspecting the performance of building systems. The “Current Edition” of NFPA 1033 Standard Professional Qualifications for Fire Investigator is the basis for this course.

FOT 045

Fire Investigation 1B: Evidence and Documentation

Unit(s): 1.000 Class Hours: 23.500 Lecture total, 10.000 Lab total.

Prerequisite: Completion with a grade of “C” or better or a Passing grade in: FOT 044 Fire Investigation 1A: Basic Fire Investigation (2017 or 2022)

Corequisite: Completion of or concurrent enrollment in: Fundamentals of Interviewing (CFITrainer.net) Introduction to Evidence (CFITrainer.net) Wildland Fires Investigation (CFITrainer.net)

This course provides information on scene documentation and evidence collection /preservation. Topics include photographing the scene, diagramming the scene, constructing investigative notes, processing evidence and establishing chain of custody, processing victims and fatalities, selecting evidence for analysis, maintaining a chain of custody, preparing a fire investigation report, and disposing of evidence. The 2014 edition of NFPA 1033 Standard for Fire Investigator Professional Qualifications is the basis for this course.

FOT 050

Community Emergency Response Team

Unit(s): 0.500 Class Hours: 8.000 Lecture total, 10.000 Lab total.

Educating the public to respond to terrorism response issues, theories, and methodologies for disaster mitigation. (Pass/No Pass Only)

FOT 060

Fire Apparatus Driver/Operator 1A: Driver/Operator

Unit(s): 1.000 Class Hours: 17.500 Lecture total, 22.500 Lab total.

Prerequisite: Hold a valid Class C driver’s license. License must be brought to first class session or student will be dropped from the course.

This course provides information on fire apparatus preventive maintenance and driving/operating. Topics include routine tests, inspections, and servicing functions, operate, back, maneuver, and turn a fire apparatus in a variety of conditions; and operate all fixed systems and equipment on a fire apparatus. This course is based on the 2017 edition of NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. This course fulfills the requirements for a California Class C Firefighter Endorsement. This course satisfies the partial requirements for State Fire Training Fire Apparatus Driver/Operator - Pumping Apparatus (2017) certification. A materials fee may be required.

This course may not be offered every semester.

FOT 061

Fire Apparatus Driver/Operator 1B: Pumping Apparatus Operations

Unit(s): 1.000 Class Hours: 17.000 Lecture total, 23.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FAC 060A OSFM certified Fire Fighter 1 or certified Fire Fighter 2 tenured path (Appointment to the rank of Officer (Lieutenant or higher) waives this prerequisite. Appointment to the CAL FIRE rank of Fire Apparatus Engineer is equivalent to Officer level. Performing in an "acting" capacity does not fulfill this requirement.) NOTE: Approval of equivalent training is not a guarantee that state or licensing agencies will also grant equivalency. FOT 060 Fire Apparatus Driver/Operator 1A (2017 version). Certificate of completion must be brought to first class session or student shall be dropped from the course.

This course provides information on pumping apparatus preventive maintenance and operations. Topics include routine tests, inspections, and servicing functions; producing hand, master, and foam fire streams, relay pump operations; and supplying water to fire sprinkler and standpipe systems. This course is designed for career and volunteer fire service personnel who drive and operate a fire department pumping apparatus. This course is based on the 201 edition of NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications. This course satisfies partial requirements for OSFM certification for Fire Apparatus Driver/Operator - Pumping Apparatus. Materials fee may be required. Not offered every semester.

FOT 078

S-230 Crew Boss (Single Resource)

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FAC 080D Successful completion of S-290 Intermediate Fire Behavior (classroom delivery only) and FAC 070B Students need to provide a copy of a California State Firefighter II Certificate.

Designed for personnel desiring to be qualified as an Engine Boss (ENGB). Training for the single resource boss position from initial dispatch through demobilization to the home unit. Topics include operational leadership, preparation and mobilization, assignment preparation, risk management, entrapment avoidance, safety and tactics, offline duties, demobilization, and post-incident responsibilities. Additional material fee(s) may be required by certifying agencies for course completion certificates. May not be offered every semester. (Pass/No Pass Only)

FOT 078A

S-130 Firefighter Training - Wildland

Unit(s): 1.500 Class Hours: 29.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FAC 080B

The intent of this course is to train new firefighters in basic firefighting skills. This includes a required field exercise that may be arduous in nature. S-190, Introduction to Wildland Fire Behavior is a prerequisite and must have been successfully completed prior to taking the S-130, Firefighter Training course. (Pass/No Pass Only)

FOT 078B

S-215 Urban Wildland Interface Firefighting

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: FAC 070 Completed SFT Firefighter 2 training.

This is an instructor-led course intended to be presented at the local level Instructional units include firefighter safety in the interface, managing human factors in the interface, pre-incident planning, sizeup and initial strategy, structure triage, structure protection overview, tactics in the interface, tactical operations and resource use in the interface, action assessment, plan update, and after action review. (Pass/No Pass Only)

FOT 078D

ICS 223-10, Wildland Line EMT

Unit(s): 0.500 Class Hours: 11.750 Lecture total, 4.250 Lab total.

Prerequisite: Prerequisites must be completed prior to enrollment in this course. • Qualified CICCS Firefighter Type 1 (FFT1) or OSFM Firefighter II and • Current California EMT certification or paramedic license and • Current Local EMS agency certification and/or accreditation and • Intermediate Fire Behavior S-290

Designed to train firefighters in preserving health and safety of suppression team members during wildland incidents and make available EMT-1 level care in the field.

FOT 079

S-404 Safety Officer

Unit(s): 1.500 Class Hours: 28.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: FOT 008A Qualified as Division/Group Supervisor (DIVS).

Designed to train company/chief officers in the advanced wildland fire safety factors that will aid them in safe and effective control of wildland fires. Not offered every semester. Materials fees may be required.

FOT 079B

S-231 Engine Boss

Unit(s): 0.500 Class Hours: 12.000 Lecture total, 4.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 078

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: FAC 070 Completed SFT Firefighter 2 training

This is a skill course designed to produce student proficiency in the performance of the duties associated with engine boss, single resource (ENGB). Topics include engine and crew capabilities and limitations, information sources, fire sizeup considerations, tactics, and wildland/urban interface. (Pass/No Pass Only)

FOT 079C

AH-330 Strike Team/Task Force Leader – All Hazards

Unit(s): 1.000 Class Hours: 22.000 Lecture total, 10.000 Lab total.

Prerequisite: ICS-200B: Incident Command Initial Action Incidents CICCS Qualified Engine Boss, Heavy Equipment Boss, or Crew Boss for a single resource.

This course is designed to provide the skills and knowledge needed to perform in the position of Strike Team/Task Force Leader. Topics include position overview; pre-deployment responsibilities, the concept of the position, resource typing standards, pre-dispatch preparation, incident responsibilities, administration; supervision, response, assignment, demobilization, tactics and safety, risk management, entrapment avoidance, WUI, case studies, scenarios, appropriate action vs. freelancing.

Designed for: Strike Team/Task Force Leader, All Hazards (STEN/TFLD). Material fees may be required. Not offered every semester. (Same as FAC 079B). (Pass/No Pass Only)

FOT 080

Motion Picture / Television Safety Officer

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

This course provides the student with a basic knowledge of fire safety in film production, both on the studio lot and in location filming. Areas covered include: filming and fire code permits, licensing, safety officer responsibilities, who's who on location, fire safety hazards associated with lighting, generators, electrical cabling, set construction, studio and warehouse filming, pyrotechnic special effects laws and regulations (handling, use, storage and transportation) and stunt safety. In addition, the training incorporates live pyrotechnic special effects and stunt demonstrations, special guest speakers, product orientation, and slides and videos from many different films.

FOT 130A

Fire Inspector 1A: Duties and Administration

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FTC 104 and FTC 105 and FTC 106 and

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: or equivalent as determined by the Dean of academy instruction. To be successful in this course, students should be able to understand and use professional terminology; Identify laws, codes, ordinances, and regulations as they relate to fire prevention; Understand code enforcement as it impacts life and property loss; Define laws, rules, regulations, and codes and identify those relevant to fire prevention; Define the functions of a fire prevention bureau; Describe the history and philosophy of fire prevention; Describe inspection practices and procedure; Understand theoretical concepts of how fire impacts major types of building construction; Describe building construction as it relates to firefighter safety, buildings codes, fire prevention, code inspection, firefighting strategy, and tactics; Differentiate between fire resistance, flame spread, and describe the testing procedures used to establish ratings for each; Classify occupancy designations of the building code; Analyze the hazards associated with the various types of building construction; Identify and describe various types and uses of fire protection system; Explain the benefits of fire protection systems in various types of structures; Describe residential and commercial sprinkler legislation.

This course provides students with a basic knowledge of the roles and responsibilities of a Fire Inspector I, including legal responsibilities and authority, codes and standards, the inspection process, confidentiality and privacy requirements, and ethical conduct, and administrative tasks including preparing inspection reports, recognizing the need for a permit or plan review, investigating common complaints, and participating in legal proceedings. CFSTES Certificate of Completion. Materials fee required.

CSU

FOT 130B

Fire Inspector 1B: Introduction to Fire and Life Safety

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 130A

This course will provide fire prevention professionals with the base level of knowledge necessary to inspect fire protection systems and special hazards.

CSU

FOT 130C

Fire Inspector 1C: Field Inspection

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 130B FOT Fire Inspector 1B

This course provides students with a basic knowledge of field inspection roles and responsibilities of a Fire Inspector I including basic plan review, emergency access for an existing system, hazardous materials, and the operational readiness of fixed fire suppression systems, existing fire detection and alarm systems, and portable fire extinguishers. Designed for the entry level fire inspector. Meets partial requirements for CFSTES Fire Inspector Certification. Materials fee required. Not offered every semester.

CSU

FOT 130D

Fire Inspector 1D: Field Inspector

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FTC 105 and FTC 104 and FTC 106

This course provides students with a basic knowledge of a Fire Inspector's field inspection roles and responsibilities specific to California including tents, canopies, and temporary membrane structures; fireworks and explosives; and wildland urban interface environments. Students receive a Certificate of Completion from the Office of the State Fire Marshal. Not offered every semester. Materials fee required.

CSU

FOT 136

Fire Inspector 2A: Fire Prevention Administration

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 130D

This course provides students with a basic knowledge of the administrative requirements related to the roles and responsibilities of a Fire Inspector II including processing permit and plan review applications, enforcing permit regulations, investigating complex complaints, recommending modifications to codes and standards, recommending policies and procedures for inspection services, generating written appeals correspondence, initiating legal action, evaluating inspection reports, and proposing technical reference material acquisition. Additional material fee required for Ca State Fire Training certificate of completion. May not be offered every semester.

CSU

FOT 137

Fire Inspector 2B: Fire and Life Safety Requirements

Unit(s): 1.500 Class Hours: 24.000 Lecture total.

Corequisite: Concurrent enrollment in: FOT 136

This course provides students with a basic knowledge of fire and life safety requirements related to the roles and responsibilities of a Fire Inspector II including occupancy classification, egress elements, emergency plans and procedures, occupant loads, building construction and fire growth potential. Materials fee required for State Fire Training (CFSTES) Certificate of Completion. Not offered every semester.

CSU

FOT 138

Fire Inspector 2C: Inspecting Fire & Life Safety Systems and Equip.

Unit(s): 1.000 Class Hours: 22.500 Lecture total, 1.500 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 136

This course provides students with a basic knowledge of inspection requirements related to the roles and responsibilities of a Fire Inspector II including inspection of life safety systems and building services equipment, fire protection systems, and emergency access criteria. Materials fees required for State Fire Training (CFSTES) Certificate of Completion. Not offered every semester.

CSU

FOT 139

Fire Inspector 2D: Hazardous Materials, Operations, and Processes

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 138

This course provides students with a basic knowledge of hazardous materials, operations, and processes related to the roles and responsibilities of a Fire Inspector II including hazardous conditions, flammable and combustible liquids and gases, and hazardous materials. Materials fee required for State Fire Training (CFSTES) Certificate of Completion. Not offered every semester.

CSU

FOT 150A

Company Officer 2A: Human Resource Management for Company Officers

Unit(s): 2.000 Class Hours: 40.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Meet the educational requirements for Fire Fighter II or four (4) years as a career fire fighter or six (6) years as a volunteer fire fighter.

This course provides information on the use of human resources to accomplish assignments, evaluate member performance, supervise personnel, and integrate health and safety plans, policies, and procedures into daily activities as well as the emergency scene. This course is designed for aspiring company officers seeking CFSTES Fire Officer (Level I and II) certification. Materials fee required for State Fire Training Certificate. May not be offered every semester.

CSU

FOT 150B

Company Officer 2B: General Administration Functions for Company Officers

Unit(s): 0.500 Class Hours: 13.000 Lecture total, 7.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Meet the educational requirements for Fire Fighter II or four (4) years as a career fire fighter, or six (6) years as a volunteer fire fighter.

This course provides information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department's role, image, and mission to the public. This course is designed for aspiring company officers seeking CFSTES Fire Officer (Level I and II) certification. Materials fee required for State Fire Training Certificate. May not be offered every semester.

CSU

FOT 150C

Company Officer 2C: Fire Inspections and Investigations

Unit(s): 1.500 Class Hours: 29.500 Lecture total, 10.500 Lab total.

Corequisite: Completion of or concurrent enrollment in: Meet the educational requirements for Fire Fighter II or four (4) years as a career fire fighter, or six (6) years as a volunteer fire fighter.

This course provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. Applies to State Fire Marshal Company Officer certification. Additional materials fee required for State Certificate Fee. This class may not be offered every semester.

CSU

FOT 150D

Company Officer 2D: All-Risk Command Operations for Company Officers

Unit(s): 1.000 Class Hours: 17.000 Lecture total, 23.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Completion of a CSFM (California State Fire Marshal) accredited fire academy or completion of IFSAC (International Fire Service Accreditation Congress) accredited fire academy or completion of a Pro Board Fire Service Professional Qualifications System fire academy or a signed statement by the agency's fire chief or designee stating the sponsored student has completed all SFT training requirements and skills sheets for Firefighter-1 ICS 200 (online certificate).

Recommended Preparation:Hazardous Material Incident Commander (as offered by the California Specialized Training Institute).

This course provides information on conducting incident size-up, developing and implementing an initial plan of action involving single and multi-unit operations for various types of emergency incidents to mitigate the situation following agency safety procedures, conducting pre-incident planning, and develop and conduct a post-incident analysis. Additional fees may be required for State Certificate(s).

CSU

FOT 150E

Company Officer 2E: Wildland Incident Operations for Company Officers

Unit(s): 2.000 Class Hours: 40.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: S-290 Intermediate Fire Behavior (classroom delivery only). Students must bring proof of course completion to first class meeting or they will be dropped from the course and Meets the educational requirements of Fire Fighter II or four (4) years as a career fire fighter, or six (6) years as a volunteer fire fighter

This course provides information on evaluating and reporting incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources completing all operations to suppress a Wildland fire, establishing an incident command post, creating an incident action plan, and completing incident records and reports. Applies to State Fire Marshal Company Officer certification. Additional materials fee required for State Certificate Fee. This class may not be offered every semester.

CSU

FOT 205

Instructor I: Instructional Methodology

Unit(s): 1.000 Class Hours: 14.500 Lecture total, 25.500 Lab total.

Recommended Preparation: Completion of one of the following certificates is recommended: Introduction to the Incident Command System (IS-100.B), FEMA or National Incident Management System (IS-700.A), FEMA

This course provides the skills and knowledge needed for the entry level professional instructor to perform his or her duties safely, effectively, and competently. The curriculum is based on the 2012 edition of NFPA 1041 Standard for Fire Service Instructor Professional Qualifications. At the end of this course, candidates for Instructor I certification will be able to teach and deliver instruction from a prepared lesson plan utilizing instructional aids and evaluation instruments. The Instructor I will also be able to adapt a lesson plan and complete the reporting requirements to the local jurisdiction. Designed for: Personnel preparing for a college level fire instructor, company officer, or State Fire Training (SFT) Certified Training Instructor position. Applies to CSFM certification for Instructor I. Additional course material fee is required for CSFM certificate. May not be offered every semester.

CSU

FOT 206

Instructor II: Instructional Development

Unit(s): 1.000 Class Hours: 11.750 Lecture total, 28.250 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 205 Must have a passing grade in Fire Instructor 1-Instructional Methodology

This course provides the skills and knowledge needed for the intermediate level professional fire service instructor preparing for Instructor II certification. Participants will learn to develop lesson plans and evaluation instruments, teach and deliver instruction, and evaluate and coach other instructors. Additional materials fees may be required for State Fire Training Certificate. Not offered every semester.

CSU

FOT 207

Instructor III: Instructional Program Management

Unit(s): 1.500 Class Hours: 23.250 Lecture total, 16.750 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 206 Instructor II: Instructional Development

This course provides information on planning, developing, and implementing comprehensive programs and curricula. Topics include instructional development, program management, program and instructor evaluation, and test reliability and validity. This course is designed for Fire Officers, Staff Officers, and other fire service managers with experience in fire-service training.

There may be additional material fees. This course may not be offered every semester.

CSU

FOT 210

Community Risk Educator

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 6.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Introduction to Incident Command System I-100 (Must bring certificate of completion to first class meeting) and National Incident Management System (NIMS): An Introduction 700 (must bring certificate of completion to first class meeting) and Instructor I: Instructor Methodology OR Training Instructor 1A Cognitive Lesson Delivery (must bring certificate of completion to first class meeting.) and Fire Prevention I: Fire & Safety Inspections Fire & Safety Inspections OR Fire Prevention 1A: Introduction to the California Fire Code Bridge OR Company Officer 2C: Fire Inspections and Investigation (Must bring certificate of completion to first class meeting)OR completion of FTC 104 Fire Prevention Technology with a minimum grade of C

This course provides the skills and knowledge needed for the Community Risk Educator to perform his/her duties safely, effectively, and competently by coordinating and delivering existing educational programs and information. Enrollment is limited to 30 students. CFSTES Certificate of Completion awarded. This course requires additional materials fees. This course may not be offered every semester. Maximum class size: 30.

CSU

FOT 234A

Plan Examiner 1A- Building Plan Review

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FTC 105 and FTC 104 and FTC 101 and FTC 102 and FTC 106

This course provides the knowledge and skills that prepare a plan examiner to carry out administrative responsibilities associated with plan review services and evaluate plans for new buildings and in accordance with applicable codes, standards, and jurisdictional policies and procedures.

CSU

FOT 234B

Plan Examiner 1B

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 234A

This course provides the knowledge and skills that prepare a plan examiner to evaluate fire flow compliance and identify requirements and review installation plans for fire protection and life safety systems.

CSU

FOT 234C

Plan Examiner 1C

Unit(s): 1.500 Class Hours: 28.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 234B

This course provides the knowledge and skills that prepare a plan examiner to evaluate plans associated with new construction, systems integration, alternative compliance, wildland urban interface areas, and special operations including hazardous materials and high-piled combustible storage.

CSU

FOT 273A

Chief Fire Officer 3A: Human Resource Management for Chief Fire Officers

Unit(s): 1.000 Class Hours: 26.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Student must meet the educational requirements for Company Officer. Evidence of qualifications must be submitted to the Fire Technology Department prior to the first class meeting.

Educational Requirements may be met with completion of: Company Officer 2A: HR Management AND Company Officer 2B: General Administrative Functions AND Company Officer 2C: Fire Inspections and Investigation AND Company Officer 2D: All-Risk Command Operations AND Company Officer 2E: Wildland Incident Operations or If completed prior to 12/31/2016: Fire Command 1A: Command Principles for Company Officers AND Fire Command 1B: Incident Management for Company Officers AND Fire Command 1C: I-Zone Fire Fighting for Company Officers AND Fire Instructor 1A: Instructional Techniques, Part 1 AND Fire Instructor 1B: Instructional Techniques, Part 2 AND Fire Investigation 1A: Fire Origin and Cause Determination AND Fire Management 1: Management/Supervision for the Company Officer AND Fire Prevention 1A: Introduction to the California Fire Code AND Fire Prevention 1B: Inspection of Fire Protection Systems and Special Hazards AND I-300: Intermediate ICS.

This course provides students with a basic knowledge of the human resources requirements related to the roles and responsibilities of a Chief Fire Officer. Topics include developing plans for providing employee accommodation, developing hiring procedures, establishing personnel assignments, describing methods of facilitating and encouraging professional development, developing an ongoing education training program, developing promotion procedures, developing proposals for improving employee benefits, and developing a measurable accident and injury prevention program. This course is designed for the certified Company Officer advancing to the Chief Fire Officer classification. This course is limited to 25 students. Additional materials fees may apply. Not offered every semester.

CSU

FOT 273B

Chief Fire Officer 3B: Budget and Fiscal Responsibilities for Chief Fire Officers

Unit(s): 0.500 Class Hours: 7.500 Lecture total, 10.500 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Student must meet the educational requirements for Company Officer. Evidence of qualifications must be submitted to the Fire Technology Department prior to the first class meeting.

Educational Requirements may be met with completion of: Company Officer 2A: HR Management AND Company Officer 2B: General Administrative Functions AND Company Officer 2C: Fire Inspections and Investigation AND Company Officer 2D: All-Risk Command Operations AND Company Officer 2E: Wildland Incident Operations or If completed prior to 12/31/2016: Fire Command 1A: Command Principles for Company Officers AND Fire Command 1B: Incident Management for Company Officers AND Fire Command 1C: I-Zone Fire Fighting for Company Officers AND Fire Instructor 1A: Instructional Techniques, Part 1 AND Fire Instructor 1B: Instructional Techniques, Part 2 AND Fire Investigation 1A: Fire Origin and Cause Determination AND Fire Management 1: Management/Supervision for the Company Officer AND Fire Prevention 1A: Introduction to the California Fire Code AND Fire Prevention 1B: Inspection of Fire Protection Systems and Special Hazards AND I-300: Intermediate ICS.

This course provides students with a basic knowledge of the budgeting requirements related to the roles and responsibilities of a Chief Fire Officer including developing a budget management system, developing a division or departmental budget, and describing the process for ensuring competitive bidding. This class is designed for the certified Company Officer advancing to the Chief Fire Officer classification. May require additional materials fee.

CSU

FOT 273C

Chief Fire Officer 3C: General Administration Functions

Unit(s): 1.000 Class Hours: 24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 273B

This course provides students with a basic knowledge of the administration requirements related to the roles and responsibilities of a Chief Fire Officer including directing a department record management system, analyzing and interpreting records and data, developing a model plan for continuous organizational improvement, developing a plan to facilitate approval, preparing community awareness programs, and evaluating the inspection program of the AHJ. Additional materials fees may be required.

CSU

FOT 273D

Chief Fire Officer 3D: Emergency Service Delivery Responsibilities for Chief Fire Officers

Unit(s): 2.000 Class Hours: 40.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Student must meet the educational requirements for Company Officer. Evidence of qualifications must be submitted to the Fire Technology Department prior to the first class meeting.

Educational Requirements may be met with completion of: Company Officer 2A: HR Management AND Company Officer 2B: General Administrative Functions AND Company Officer 2C: Fire Inspections and Investigation AND Company Officer 2D: All-Risk Command Operations AND Company Officer 2E: Wildland Incident Operations or If completed prior to 12/31/2016: Fire Command 1A: Command Principles for Company Officers AND Fire Command 1B: Incident Management for Company Officers AND Fire Command 1C: I-Zone Fire Fighting for Company Officers AND Fire Instructor 1A: Instructional Techniques, Part 1 AND Fire Instructor 1B: Instructional Techniques, Part 2 AND Fire Investigation 1A: Fire Origin and Cause Determination AND Fire Management 1: Management/Supervision for the Company Officer AND Fire Prevention 1A: Introduction to the California Fire Code AND Fire Prevention 1B: Inspection of Fire Protection Systems and Special Hazards AND I-300: Intermediate ICS.

This course provides students with a basic knowledge of the emergency service requirements related to the roles and responsibilities of a Chief Fire Officer including developing a plan for the integration of fire services resources, developing an agency resource contingency plan, evaluating incident facilities, supervising multiple resources, developing and utilizing an incident action plan, obtaining incident information to facilitate transfer of command, developing and conducting a post-incident analysis, and maintaining incident records. This course is designed for the certified Company Officer advancing to the Chief Fire Officer classification. Additional materials fees may be required.

CSU

FOT 274A

Executive Chief Fire Officer 4A: Human Resource Management for Chief Fire Officers

Unit(s): 1.000 Class Hours: 17.000 Lecture total, 11.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Meet educational requirements for Chief Fire Officer or five (5) years as career chief officer, or seven (7) years as a volunteer officer

This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching themes of this curriculum are recruitment, selection, and placement of human resources; the development of a positive and participative member/management program; the establishment and evaluation of a list of education and in-service training goals; appraisal of a member assistance program; and the evaluation of an incentive program to determine if the desired results are achieved. Applies to State Fire Marshal Executive Chief Fire Officer certification.

Additional materials fee required for State Certificate Fee. This class may not be offered every semester. Maximum class size: 24

CSU

FOT 274B

Executive Chief Fire Officer 4B: Community & Government Relations

Unit(s): 0.300 Class Hours: 5.500 Lecture total, 5.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 274A

This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching theme of this curriculum is assuming a leadership role in community events. Designed For: Executive Chief Fire Officer Candidate. There may additional material fees. This course may not be offered every semester.

CSU

FOT 274C

Executive Chief Fire Officer 4C: Administration

Unit(s): 1.000 Class Hours: 20.500 Lecture total, 10.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 274B

This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching themes of this curriculum are developing a comprehensive, long range plan; evaluating and projecting training requirements, facilities, and building needs; completing a written comprehensive risk, hazard, and value analysis; and developing a plan for a capital improvement project or program. Applies to State Fire Marshal Executive Chief Fire Officer certification. Additional materials fee required for State Certificate Fee. This class may not be offered every semester.

CSU

FOT 274D

Executive Chief Fire Officer 4D: Emergency Services Delivery

Unit(s): 1.500 Class Hours: 33.500 Lecture total, 5.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 274C

This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching themes of this curriculum are developing a comprehensive disaster plan and a comprehensive plan for the organization to operate at a civil disturbance. Designed For: Executive Chief Fire Officer Candidate. There may be additional material fees. This class may not be offered every semester.

CSU

FOT 274E

Executive Chief Fire Officer 4E: Health and Safety Course Plan

Unit(s): 0.500 Class Hours: 9.500 Lecture total, 5.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FOT 274D

This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching theme of this curriculum is maintaining, developing, and providing leadership for a risk management program. Designed For: Executive Chief Fire Officer Candidate. Additional material fees may be required. This class may not be offered every semester.

CSU

Fire Public Safety (FSA)

FSA 002

California Ocean Lifeguard-Aquatic Rescue Response Skills

Unit(s): 0.500-9.500 Class Hours: 9.000 Lecture total, 16.000-486.000 Lab total.

Prerequisite: Faculty will determine the student's eligibility to register for the class based on the minimum qualifications required by the agency.

This course provides ocean lifeguards the occupational education and training needed to maintain adequate levels of knowledge to continue to perform lifesaving tasks. In addition to maintaining the minimum standards necessary for their positions, students are provided drills and formal training needed to ensure high levels of performance. (Pass/No Pass Only)

FSA 005

EMT Recertification

Unit(s): 0.300-1.500 Class Hours: 6.000-24.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Students must be in possession of a current EMT State certification or EMT National Registry certification.

Training and update for current EMTs.

FSA 014

Rescue Operations- Refresher

Unit(s): 0.500-1.000 Class Hours: 12.000 Lecture total, 10.000-24.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FAC 060 or equivalent

This course provides a review of the skills and knowledge needed for the professional fire fighter to perform his/her rescue duties safely, effectively, and competently. The curriculum is based on the 2013 edition of NFPA 1001 Standard for Fire Fighter Professional Qualifications.

FSA 016A

CA Fire Service Administrative Requirements

Unit(s): 0.500-1.000 Class Hours: 9.000-25.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FAC 060A and FAC 060B and FAC 060C

This course covers the duties and responsibilities of a Firefighter, departmental communications, ethical principles and prevention of sexual harassment. Content is based on the NFPA 1001 Standard for Firefighter Professional Qualifications and the California State requirements for government employees. There may be additional material fees. This course may not be offered every semester. NOTE: Requisite skills and knowledge learned in a basic fire academy will not be retaught. (Pass/No Pass Only)

FSA 017

Firefighter Refresher- Core Competencies

Unit(s): 0.500-9.500 Class Hours: 9.000 Lecture total, 0.000-500.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FAC 060A or equivalent as approve by Fire Technology Department. and FAC 060B and FAC 060C

Students are provided the opportunity to apply and reinforce their knowledge, refresh their skills, and demonstrate continuing proficiency of their Job Performance Requirements as identified by the Office of the California State Fire Marshal and other certifying agencies. The focus is on mandated continuing education requirements for fire service personnel and the training needs of the jurisdiction. (Pass/No Pass Only)

FSA 018

Firefighter Survival

Unit(s): 0.400 Class Hours: 4.000 Lecture total, 12.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: and

This course provides students with a greater understanding of the need for situational awareness, firefighter survival skills, and the technical survival skills to help firefighters avoid committing fatal errors on the fireground. (Pass/No Pass Only)

FSA 027

Wildland Fire Safety Training Refresher

Unit(s): 0.200-1.000 Class Hours: 4.000-16.000 Lecture total, 1.000-10.000 Lab total.

This course focuses on operations and decision-making issues related to fireline and all-hazard incident safety. Topics include entrapment avoidance, current issues, other hazard and safety issues, and fire shelter in order to prepare firefighters for the upcoming fire season.

Fire Technology (FTC)

FTC 101 (C-ID FIRE 100 X)

Fire Protection Organization

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives.

CSU

FTC 102 (C-ID FIRE 140 X)

Fire Behavior and Combustion

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.

CSU

FTC 103 (C-ID FIRE 150 X)

Principles of Fire and Emergency Services Safety and Survival

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

CSU

FTC 104 (C-ID FIRE 110 X)

Fire Prevention

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FTC 101 and FTC 102

This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; community risk reduction; organization and operation of a fire prevention bureau; use and application of codes and standards; plan review; fire inspections; fire and life safety education; and fire investigation.

CSU

FTC 105 (C-ID FIRE 130 X)

Building Construction for Fire Protection

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FTC 101 and FTC 102

This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies.

CSU

FTC 106 (C-ID FIRE 120 X)

Fire Protection Systems

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FTC 101 and FTC 102

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection, and portable fire extinguishers.

CSU

FTC 121

Physical Fitness for Public Safety Personnel

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Corequisite: Concurrent enrollment in: FTC 121L

This lecture class provides information on exercise physiology and nutrition as it relates to public safety personnel. Topics include the components of a tactical fitness program such as metabolic conditioning, neuromuscular fitness, body composition, and mobility. Other topics include progressive overload, specificity of training, periodization, stress management, injury and disease prevention, and diet and nutrition for health and performance.

CSU

FTC 121L

Physical Fitness for Public Safety Personnel - Performance and Assessment

Unit(s): 0.300 Class Hours: 17.000 Lab total.

Corequisite: Concurrent enrollment in: FTC 121

Student will participate in physical fitness and fire-specific activities. Focus is on preparing individual fitness, health, and physical ability for job requirements. Students will be advised of the specific dates and times for the Lab/Physical Ability Practice sessions during first week of the semester at the lab orientation. (Pass/No Pass Only)

CSU

French (FREN)

FREN 101

Elementary French I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

A college level French course focusing on fundamentals of pronunciation and grammar, basic vocabulary (including common idioms), simple conversation and composition. Supplementary cultural readings. French 101 is equivalent to two years of high school French.

CSU/UC

FREN 102

Elementary French II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FREN 101 or two years of high school French with a passing grade.

A college level French course focusing on further training in pronunciation and grammar, more extensive vocabulary development, conversation and composition. Supplementary cultural readings. French 102 is equivalent to the third year of high school French.

CSU/UC

FREN 201

Intermediate French I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FREN 102 or three years of high school French with a passing grade.

A college level French class focusing on expansive review of usage and grammar; discussion in French of interpretive reading material; conversation and composition.

CSU/UC

FREN 201H

Honors Intermediate French I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FREN 102 Completion with a C or better in French 102 or three years of high school French with a passing grade, and a high school or college GPA of 3.0 or above.

Enhanced and intensive exploration of French civilization, culture, and literature in a seminar setting. In-depth analysis of grammatical structures. Further use of argumentative oral strategies. Independent research by students to use and evaluate library and electronic information sources. Conversation and composition.

CSU/UC

FREN 202

Intermediate French II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FREN 201 or four years of high school French with a passing grade.

A college level French class focusing on a specialized review of grammar and composition; and discussions in French of history and culture based on literary materials.

CSU/UC

FREN 202H

Honors Intermediate French II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FREN 201 or FREN 201H or four years of high school French with a passing grade, and a high school or college GPA of 3.0 or above.

Continuation of intensive exploration of French culture and literature in a seminar setting, review of specialized grammatical structures, and use of argumentative oral strategies. Continued development of conversation and composition. Independent research by students to use and evaluate library and electronic information sources.

CSU/UC

FREN 211

Intermediate Conversation and Composition I

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FREN 102 or equivalent, or three years of high school French with a passing grade.

Intermediate conversational techniques. A review of language structure through discussion, conversation, reading, and composition. Discussions of French culture and civilization.

CSU/UC

FREN 214

Intermediate Conversation and Composition II

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: FREN 201 or FREN 201H or the equivalent, or four years of high school French, or concurrent enrollment in French 202 or French 202H.

Further development of conversational and composition skills through cultural and current events and readings. Vocabulary development and idiom usage in a cultural context.

CSU/UC

Geography (GEOG)

GEOG 100 (C-ID GEOG 125)

World Regional Geography

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The study of major world political and natural regions. Course study includes location of the regions on earth, the physical and cultural elements that lend the regions their identities, and ways in which these elements relate to the regions' inhabitants and economies.

CSU/UC

GEOG 100H (C-ID GEOG 125)

Honors World Regional Geography

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Enriched and intensive study, including seminar approach with individual written and oral presentations of major world political and natural regions. Course study includes location of the regions on earth, the physical and cultural elements which provide the regions with their identities, and ways in which these elements relate to the regions' inhabitants and economies.

CSU/UC

GEOG 101 (C-ID GEOG 110)

Introduction to the Natural Environment

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to the physical elements of geography: maps, earth/sun relationships, meteorology and climatology, natural vegetation, soils, and geomorphology.

CSU/UC

GEOG 101L (C-ID GEOG 111)

Introduction to the Natural Environment Laboratory

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: GEOG 101

Laboratory exercises and experiments designed to explore and understand the primary areas of physical geography. Exercises and applications related to map scales and projections, stereoscopic, topographic and aerial photo interpretation, meteorological tools and models and weather prognostication, geomorphologic models and processes, and landform interpretation.

CSU/UC

GEOG 102 (C-ID GEOG 120)

Cultural Geography

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introductory survey of the geography of culture, and the influences of the physical environment on culture, along with the impact of human activity on the environment, and the role of culture within societies and social groups. The course includes global patterns of population, migration, religion, language, agriculture, politics, customs, resources, and urban and rural settlement.

CSU/UC

GEOG 130 (C-ID GEOG 130)

Introduction to Weather and Climate

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course examines weather and climate patterns of the earth from a geographic perspective including atmospheric structure and composition, solar radiation and energy balances, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, air pressure, winds, air masses and fronts, cyclonic and anticyclonic systems, weather forecasting, adiabatics, climate, and climate change.

CSU/UC

GEOG 140 (C-ID GEOG 140)

California Geography

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A thematic approach to the state's issues, processes and topics relevant to the geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical, and human landscapes that have evolved as a result of the human-environment interface.

CSU/UC

GEOG 155 (C-ID GEOG 155)

Introduction to Geographic Information Systems

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course introduces basic scientific principles of Geographic Information Systems (GIS) as they relate to working with data that have important spatial orientation and organization. Geometric and geographic concepts and theories are used to develop scientific methods for proper communication of the data and the solution of problems that have spatial relationships. Course covers basic concepts in mapping and orientation, the development of map scales and comparision of different coordinate systems and data error analysis.

CSU/UC

Geology (GEOL)

GEOL 101 (C-ID GEOL 100)

Dynamic Earth: Introduction to Geology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This introductory course that covers Earth materials and the processes that develop and modify the composition, structure, and features of the earth. Included is an overview of minerals, rocks, plate tectonics, volcanoes, earthquakes, geologic time, water resources, glaciation, desertification, structural geology, and energy and mineral resources. Students requiring lab experience should enroll in GEOL101L concurrently with GEOL101. Optional field trip offered.

CSU/UC

GEOL 101L (C-ID GEOL 100L)

Dynamic Earth: Introduction to Geology Laboratory

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Corequisite: GEOL 101 Corequisite

This course is the laboratory component to Dynamic Earth: Introduction to Geology (GEOL101). The laboratory focuses on the identification of rocks and minerals and the interpretation of topographic and geologic maps illustrating the work of water, wind, ice and tectonics forces.

CSU/UC

GEOL 112

Earthquakes

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This introductory course offers an in-depth exploration of earthquakes, their causes, effects, and the impacts on society. Required, one-day field trip.

CSU

GEOL 140 (C-ID GEOL 130)

Environmental Geology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to environmental geology, the interaction between the Earth and mankind. Global study of geologic resources, resource management, geologic hazards, and waste remediation. Optional field trip. (Same as Environmental Studies 140).

CSU/UC

GEOL 140L

Environmental Geology Lab

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: GEOL 140 or ENVR 140

This course is the laboratory component to Environmental Geology (GEOL140). This course focuses on the interaction between humans and the Earth's near-surface environment. Students will explore environmental hazards, resource assessments, and regional planning through laboratory exercises and case studies. Course emphasizes the Earth system and connections between the geosphere, biosphere, atmosphere, and hydrosphere. (Same as ENVR 140L)

CSU/UC

GEOL 150

Introduction to Oceanography

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introductory study of the ocean's topography, sediments, circulation, shoreline processes, biological productivity and mineral resources. Optional Field Trip. (Same as ERTH 150)

CSU/UC

GEOL 150H

Honors Introduction to Oceanography

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

An enriched and intensive study of the ocean's topography, sediments, circulation, shoreline processes, biological productivity, and mineral resources. Optional Field Trip. (Same as ERTH 150H)

CSU/UC

GEOL 162

Geologic Field Studies of the Mojave Desert

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

The geologic history including mountain building, volcanic activity, faulting, mineral resources and human history of the Mojave Desert region. Mandatory orientation along with a two- day field trip.

CSU

GEOL 164

Geologic Field Studies of the Eastern Sierra Nevada

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

The geologic history including mountain building, volcanic activity, glaciation, faulting, and mineral resources of the eastern Sierra Nevada from Red Rock Canyon to Mammoth Lakes.

Mandatory orientation along with a five-day field trip.

CSU

GEOL 168

Geologic Field Studies of the Owens Valley

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

A study of the volcanic, pluvial, and fault history as recorded in rocks from Red Rock Canyon to Owens Lake. Mandatory orientation along with a two-day field trip.

CSU

GEOL 169

Geologic Field Studies of San Diego County

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Field study of the geology, ecology and history of the peninsular ranges and the San Diego County coastline. Mandatory orientation along with a two-day field study.

CSU

GEOL 170

Geologic Field Studies of the Anza-Borrego Desert State Park

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Field study of the geology, ecology, and history of the Anza- Borrego Desert State Park. Mandatory orientation along with a two-day field study.

CSU

GEOL 171

Geology Field Studies of Sequoia and Kings Canyon National Parks

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

A study of the geologic history, structure, and tectonics of the Sequoia and Kings Canyon areas. Mandatory orientation along with a three-day field study.

CSU

GEOL 172

Geologic Field Studies of the California Coast

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

A study of the coastal rocks, fossils and faults, as well as coastal oceanographic processes from Malibu to Monterey. Mandatory orientation along with a five-day field study.

CSU

GEOL 173

Geologic Field Studies of Death Valley

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

The geologic history including mountain building, volcanic activity, faulting, mineral resources and human history of the Death Valley region. Mandatory orientation along with a two-day field trip.

CSU

GEOL 174

Geologic Field Studies of Joshua Tree National Park

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

The geologic history including mountain building, volcanic activity, faulting, mineral resources and human history of the Joshua Tree region. Mandatory orientation along with a two-day field trip.

CSU

GEOL 201 (C-ID GEOL 111)

The Earth Through Time

Formerly: Introduction to Historical Geology

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

This course explores Earth's 4.6-billion-year history, focusing on the development of continents, oceans, and life through geologic time. Students will examine minerals, rocks, fossils, and geologic events to understand Earth's dynamic changes and evolution.

Topics include plate tectonics, geologic time scales, major extinction events, and the interplay between geology and life. Two optional one-day field trips.

CSU/UC

History (HIST)

HIST C1001 (C-ID HIST 130)

United States History to 1877

Formerly: HIST 120, The United States to 1877

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. Examines the major political, economic, intellectual, and social forces at home and abroad that shaped American life from the colonial period through Reconstruction. *Formerly: HIST 120 - The United States to 1877*.

CSU/UC

HIST C1001H (C-ID HIST 130)

United States History to 1877 - Honors

Formerly: HIST 120H, Honors The United States to 1877

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations on Enrollment: A high school or college GPA of 3.0 or above.

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. This is an honors course. Seminar-style, content-enriched course for Honors students. Examines the major political, economic, intellectual, and social forces at home and abroad that shaped American life from the colonial period through Reconstruction. *Formerly: HIST 120H - Honors The United States to 1877*

CSU/UC

HIST C1002 (C-ID HIST 140)

United States History since 1865

Formerly: HIST 121, The United States since 1865

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. Includes industrial and technological development, the changing nature of society, cultural developments, domestic politics, and America's expanded world role. *Formerly: HIST 121 - The United States since 1865*.

CSU/UC

HIST C1002H (C-ID HIST 140)

United States History since 1865 - Honors

Formerly: HIST 121H, Honors The United States since 1865

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations on Enrollment: A high school or college GPA of 3.0 or above.

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. This is an honors course.

Seminar-style, content-enriched course for honors students exploring a critical analysis of American history including industrial and technological development, the changing nature of society, cultural patterns, domestic politics, artistic attainments, and America's expanded world role. *Formerly: HIST 121H - Honors The United States since 1865.*

CSU/UC

HIST 101 (C-ID HIST 150)

World Civilizations to the 16th Century

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Examines the development of world civilizations and their interrelationships from the earliest beginnings to the sixteenth century. Emphasis on basic ideas, institutions, personalities, religious traditions, and artistic achievements.

CSU/UC

HIST 101H (C-ID HIST 150)

Honors World Civilizations to the 16th Century

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

An enriched approach designed for honors students that includes individual research as well as small group analysis of historical problems. Emphasis on the development of world civilizations and their interrelationships, basic ideas, institutions, personalities, and artistic achievements from the earliest beginnings to the sixteenth century.

CSU/UC

HIST 102 (C-ID HIST 160)

World Civilizations Since the 16th Century

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Broad historical study of world civilizations and their interrelationships from the 16th century to the present. Ideas, institutions, personalities, and artistic achievements which have contributed to present day society.

CSU/UC

HIST 102H (C-ID HIST 160)

Honors World Civilizations Since the 16th Century

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

An enriched approach designed for honors students with emphasis on individual research as well as small group analysis of historical problems. Broad historical study of world civilizations and their interrelationships from the 16th century to the present. Ideas, institutions, personalities, and artistic achievements which have contributed to present day society.

CSU/UC

HIST 105

Ancient Mesoamerican Civilization

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An archeological and ethnohistorical survey of the origin and development of pre-Columbian civilizations in ancient Mesoamerica from Paleo-Indian times to the Spanish conquest. (Same as Anthropology 105.)

CSU/UC

HIST 118

Social and Cultural History of the United States

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Examines social and cultural traditions during major historical periods. Focuses on American attitudes and response to economic and technological changes, aesthetics, music, art, language, architecture, folklore, high and popular culture.

CSU/UC

HIST 123

African American History to 1865

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Surveys the history of African Americans in the United States from their African origins through the Civil War. Emphasizes African American impact on U.S. economic and political life, and highlights the effect slavery had on selected American thinkers.

CSU/UC

HIST 124

Mexican American History in the United States

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Survey of Mexican American history in the U.S. from the Pre-Columbian period to the present. Emphasis on Mexican American contributions to the political, social, economic, and cultural development of the U.S. Will also examine the relationship of Mexican Americans to other cultural groups.

CSU/UC

HIST 124H

Honors Mexican American History in the United States

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Enriched and intensive survey of Mexican American history in the U.S. from the Pre-Columbian period to the present. Utilizing a seminar approach, emphasis on Mexican American contributions to the political, social, economic, and cultural development of the U.S. Will also examine the relationship of Mexican Americans to other cultural groups.

CSU/UC

HIST 125

Native Americans in the U.S.

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A historical and contemporary survey of Native Americans in the United States, examining the diverse and complex cultural, religious, and political systems which governed Indigenous societies before and after European contact and colonization, including the development of tribes and nations, and the cultural practices of Native Americans today. (Same as Anthropology 125)

CSU/UC

HIST 127

Women in U.S. History

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Women of European, African, Native, Hispanic, and Asian backgrounds examined in U.S. 1607-present. Emphasis on individuation, social status, family, reproduction, child care, slavery, jobs, and political activism. Legal impact and theories of patriarchal oppression raised.

CSU/UC

HIST 129

LGBTQ+ History in the U.S.

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course explores LGBTQ+ history in the United States from the colonial era to the recent past. Historical development of institutions, ideas, social transformations, cultural movements, liberation politics, and sexual and gender diversity in the U.S. will be studied. Students will work with scholarly texts and a variety of primary documents, honing historical analysis, critical thinking, and writing skills.

CSU/UC

HIST 133

History of California

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An examination of the major social, political, and economic developments that have shaped California history from the indigenous period to the present. Special attention is given to regional issues, ethnic or cultural groups, constitutional matters, cultural change, and California's connection with the Pacific Basin.

CSU/UC

HIST 146

African American History from 1863 to the Present

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Survey of the history of African Americans in the United States from Reconstruction to the present. Focuses on the economic, political and social aspects of racism and the varied efforts to advance civil rights.

CSU/UC

HIST 150

Latin American Civilization to Independence

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A study of Latin American civilization from the Indian, African, and European origins to Independence. Topics include native cultures, Spanish and Portuguese colonialism, the evolution of regional societies, and intellectual trends.

CSU/UC

HIST 151

Modern Latin American Civilization

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Latin American civilization in the nineteenth and twentieth centuries with a focus on the historical background of contemporary conditions and issues. Major and minor countries studied.

CSU/UC

HIST 153

History of Mexico

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Mexican history from the pre-Columbian period to the present. Includes social, political, economic, and cultural growth of the Mexican nation. Emphasis on cultural and political development.

CSU/UC

HIST 181

Survey of Chicana/Latina Women's History

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Survey of the historical roots of modern-day Chicana/Latina women. This course will discuss women in Pre-Columbian Mexico, colonial women in Mexico and the U.S. Southwest, as well as Mexican/Chicana/Latina women in the U.S. in the 19th, 20th, and 21st centuries. Women's experiences will be analyzed in a national/international context.

CSU/UC

Information Studies (INFO)

INFO 100

Library Research Fundamentals

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This course is designed to teach students basic college-level research skills for effective use of traditional and electronic library resources. Instruction includes print and non-print information sources such as reference books, scholarly material, online subscription databases, and the Internet.

CSU/UC

INFO 103

Researching in the Digital Age

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This course focuses on library research strategies for effectively locating and evaluating information on the Internet. Central topics are formulating search strategies, understanding how to form search expressions, evaluating information, and citing resources.

CSU/UC

INFO 105

AI Literacy

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course introduces students to the foundational concepts, ethical considerations, and practical applications of artificial intelligence (AI) in everyday life, education, and the workplace. INFO 105 emphasizes critical thinking, digital literacy, and responsible information use in AI-powered environments.

Students will explore topics such as generative AI tools, algorithmic bias, data privacy, and the impact of AI on research, creativity, and decision-making, as well as the ethical concerns and ramifications of the field. Through hands-on activities and discussions, students will develop the skills to evaluate, interact with, and use AI technologies responsibly and effectively.

CSU/UC

INFO 301

Academic Research and Information Literacy

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations of Enrollment: Student must be admitted to an approved baccalaureate program at a California Community College.

This course offers an in-depth exploration of information literacy as an essential academic, civic, and professional skill. Students will critically engage with complex information environments to develop advanced research strategies, evaluate diverse sources across disciplines, and synthesize information ethically and effectively. Emphasis is placed on scholarly communication, data and media literacy, algorithmic influence on information access, and the social and systemic forces shaping knowledge production. This course prepares students for upper-division coursework, transfer-level research, and lifelong learning in an evolving information landscape.

Interdisciplinary Studies (IDS)

IDS 121

Humanities Through the Arts

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to the humanities through a study of seven major art forms: film, drama, music, literature, painting, sculpture and architecture. Artistic works are considered from the perspectives of historical development, the elements used in the creation process, artistic form, and meaning expressed.

CSU/UC

IDS 155 (C-ID PSYC 130)

Human Sexuality

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An interdisciplinary review of the biological, historical, social, and psychological influences on human sexuality across the lifespan. This course will more closely focus on the gender spectrum, anatomy, sexual orientations, attraction, love, reproduction, conception, contraception, sexually transmitted infections, sexual coercion, and overall sexual health.

CSU/UC

IDS 200

Introduction to Liberal Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

This survey course explores the historical foundations and interdisciplinary nature of Liberal Studies. Students will examine the nature, history, and intersections of prevailing ideas on a specific topic through the arts and humanities, social and political thought, and scientific inquiry. Readings will reflect gender and cultural diversity.

CSU/UC

Italian (ITAL)

ITAL 120

Elementary Italian I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Pronunciation, grammar, speaking, reading, listening, writing, common idioms, and cultural insights. Italian 120 is equivalent to 2 years of high school Italian.

CSU/UC

ITAL 121

Elementary Italian II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ITAL 120 or two years of High School Italian. All public four year institutions in California require Italian I or Italian 120, as a prerequisite of Italian 2, or Italian 121.

Mastery of pronunciation and basic grammatical structures. Further training in reading, writing, and speaking to promote fluent and idiomatic communication. Italian 121 is equivalent to the third year of high school Italian.

CSU/UC

Japanese (JAPN)

JAPN 101

Elementary Japanese I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

A college level Japanese course focusing on fundamentals of pronunciation and grammar, basic vocabulary (including common idioms), simple conversation, and composition. Supplementary cultural readings. Japanese 101 is equivalent to two years of high school Japanese.

CSU/UC

JAPN 102

Elementary Japanese II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: JAPN 101 or equivalent, or two years of high school Japanese with a passing grade.

A college level Japanese course focusing on further training in language skills, providing avenues for the expression of ideas in both oral and written forms. Additional study of culture. Japanese 102 is equivalent to the third year of high school Japanese.

CSU/UC

Journalism and Media Studies (JAMS)

JAMS 102

Multimedia Storytelling

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Explores alternative story forms by combining text, still photographs, video clips, audio, graphics and interactivity to tell stories in the most compelling and informative way. Focuses on using a variety of media to tell different parts of a story for presentation in digital and online platforms.

CSU/UC

JAMS 103 (C-ID JOUR 170)

Introduction to Visual Communications

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This multimedia course explores the social, cultural and historical implications of visual communications from Gutenberg's printing press to present day digital media. Using works of philosophical, historical and cultural importance students will analyze and debate the changes in the way visual communications affect society, and shape cultural values.

CSU/UC

JAMS 105 (C-ID JOUR 100)

Mass Media and Society

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Exploration of mass communication and the interrelationships of media with society including history, structure and trends in a digital age. Examines major media forms, theories and effects in our information-conscious culture.

CSU/UC

JAMS 110

Introduction to Creative Nonfiction

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H or CMSD 121 or JAMS 121

Exploration of creative nonfiction writing concepts, and genres with focus on critically reading and analyzing respected works of literature ranging from biography and review to profiles and personal essays.

CSU/UC

JAMS 111

Media, Race and Gender

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This multimedia course is an overview of the social and cultural implications of mass media on race and gender from the 1920s to the present. Using works of philosophical and cultural importance, students will analyze and debate the changes in the faces of media with a particular focus on social class, gender, and ethnicity.

CSU/UC

JAMS 121 (C-ID JOUR 110)

Reporting and Writing the News

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to evaluating, gathering, and writing news across multiple platforms under newsroom conditions. Includes role of the journalist in a multi-media environment and the legal and ethical issues related to reporting. Writing experiences include: web-based and multi-media reporting, interviewing techniques, research methods, application of media law, writing under deadline and use of AP Style.

CSU

JAMS 123A (C-ID JOUR 130)

Multimedia News Production

Unit(s): 4.000 Class Hours: 36.000 Lecture total, 108.000 Lab total.

A production-based course designed around a functioning media organization, providing students practical training in print, digital, web-based and social media through work as members of the campus news magazine el Don, its website eldonnews.org and other el Don platforms. Students utilize a digital media laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia and emerging technologies. Arranged laboratory hours (TBA) 7 hours per week.

CSU

JAMS 123B (C-ID JOUR 131)

Intermediate Multimedia News Production

Unit(s): 4.000 Class Hours: 36.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: JAMS 123A

An intermediate-level production-based course designed around a functioning media organization, providing students practical training in print, digital, web-based and social media reporting and publishing through work as members of the campus news magazine el Don, its website eldonnews.org and other el Don platforms. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia and emerging technologies. Completion of JAMS 123A is required. Arranged laboratory hours (TBA) 7 hours per week.

CSU

JAMS 123C

Advanced Intermediate Multimedia News Production

Unit(s): 4.000 Class Hours: 36.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: JAMS 123B

An advanced intermediate level production-based course designed around a functioning media organization, providing students training in print, digital, web-based and social media reporting and publishing through work as members of the campus news magazine el Don, its website eldonnews.org and other el Don platforms. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia and emerging technologies. Completion of JAMS 123B is required. Arranged laboratory hours (TBA) 7 hours per week.

CSU

JAMS 123D

Advanced Multimedia News Production

Unit(s): 4.000 Class Hours: 36.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: JAMS 123C

An advanced-level production-based course designed around a functioning media organization, providing students training in print, digital, web-based and social media reporting and publishing through work as members of the campus news magazine el Don, its website eldonnews.org and other el Don platforms. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia, and emerging technologies. Completion of JAMS 123C required. Arranged laboratory hours (TBA) 7 per week.

CSU

JAMS 150

Introduction to Public Relations

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An exploration of the principles, history and development, and professional practice of modern public relations. Includes concepts of planning and executing effective communication strategies, including message design and distribution, for any organization.

CSU

JAMS 160 (C-ID JOUR 160)

Introduction to Photojournalism

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Explores the photographer as a journalist, focusing on theory and practice in press and publications photography, with emphasis on using the camera as a reporting and communications tool.

Stresses news, feature photography, and photographic essays, including composition, impact, and creativity, for newspapers, magazines, internet, and other mass communications media. (Same as JAMS 160).

CSU/UC

JAMS 201

Visual Reporting

Unit(s): 2.000 Class Hours: 36.000 Lecture total, 18.000 Lab total.

This course stresses how to perceive and select visual images through work with a digital camera, a computer, and related digital media and graphics software. Students learn the application and manipulation of images in digital form by focusing on telling stories through pictures and informational graphics. Students serve as visual reporters for campus media.

CSU

JAMS 210 (C-ID JOUR 210)

Public Affairs Reporting

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: JAMS 121

This course is a continuation of Reporting and Writing News and focuses on coverage of public affairs reporting, including local and regional government, police, courts, school, and city boards. It includes both on- and off-campus reporting and writing, stressing news presentation for a variety of media purposes through multiple platforms.

CSU

JAMS 222

Writing Across Media

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H or JAMS 121 or CMSD 121

For writing students seeking a better understanding of and experience crafting non-fictional prose genres focusing on narrative storytelling techniques for web, multimedia and print. Emphasizes critical thinking and integration of writing skills across media formats.

CSU

Kinesiology Activities (KNAC)

KNAC 098

Topics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Specialized activities courses on topics related to special needs of Kinesiology students. (Pass/No Pass Only)

KNAC 107A

Beginning Badminton

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is designed to introduce students to a racket sport, the sport of badminton. Emphasis is placed on the proper technique of the basic skills required in badminton, rules, scoring, and safety. Instruction and practice will include the proper grip, under-hand serve, drives, clears, drops, and smashes. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAC 107B

Intermediate Badminton

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 107A

This course is designed to review and solidify the basic techniques and rules associated with the game of badminton. Emphasis is placed on proper footwork and the technical aspects associated with the game. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 107C

Advanced Badminton

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 107B

This course is designed to review and solidify the proper footwork and intermediate techniques associated with the game of badminton. Emphasis is placed on tactical game awareness of both singles and doubles play. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 123

Personal Fitness Training

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Activity course designed to assist students in mastering effective lifestyles, and nutritional, cardiovascular, and resistance training techniques crucial for personal fitness and personal growth. Goal setting and motivation, time management, stress management, as well as development of an individual fitness routine and execution of that routine are the primary topics.

CSU/UC

KNAC 140A

Beginning Karate

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is designed to offer instruction in the Japanese art of Karate for beginning level students. Basic movements such as stances, blocking, kicking and striking are taught. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 150A

Beginning Hatha Yoga

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is designed as an introduction to the practice of Hatha Yoga. Emphasis will be placed on proper breathing techniques and learning basis yoga postures. These postures are designed to improve muscle tone and flexibility, as well as helping with breath control, relaxation, and unity of mind, body, and spirit. This course is offered as a half unit or one unit class and may not be repeated.
CSU/UC

KNAC 155A

Beginning Self-Defense

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Instruction in personal safety and self-protection including the effective use of hands, knees, elbows, feet, and the mind.

Proficiency with everyday objects such as weapons and defense against common street weapons is also stressed. This course is offered as a half unit or one unit class and may not be repeated.
CSU/UC

KNAC 160A

Beginning Tennis

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Instruction and practice in the fundamental skills basic to the successful performance of tennis. These skills include grip and body mechanics involved with the forehand, backhand, serve, lob, smash, and net play. Etiquettes, court strategy, and rules will be covered in singles and doubles play. Tournament play will be introduced. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 169A

Beginning Wrestling

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Fundamentals of wrestling skills and techniques. Take-downs, escape, analysis of opponents strengths and weaknesses will be considered. Student will master rules, regulations, and ethics of the activity. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 169B

Intermediate Wrestling

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 169A

Intermediate wrestling skills and techniques. Appropriate conditioning for wrestling competitive is developed. Fundamental skills are reviewed then focus shifts toward developing proficient intermediate skills such as striking, kicking, blocking, and grapling.

CSU/UC

KNAC 170A

Beginning Yoga

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is designed to increase flexibility and core muscle strength as a way of improving and enhancing physical and

mental alertness through beginning yoga postures. Emphasis will be placed on mind body preparation and the proper technique necessary to perform these prostures. This course is offered as a half unit or one unit class and may not be repeated.

KNAC 200A

Beginning Intramural-Basketball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This class is designed to introduce/better acquaint students to the game of basketball. Emphasis is placed on rules, techniques, safety, and improving performance. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 200B

Intermediate Intramural Sports- Basketball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 200A

This class is designed to provide students with an opportunity to participate and compete against classmates in the sport of basketball. Instruction focuses on improving performance in all aspects of the game of basketball: defense, offense, strategies, and special situations. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 200C

Advanced Intramural Basketball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 200B

This class is designed to provide students with an opportunity to participate and compete against classmates in the sport of basketball. Instruction focuses on improving performance in all aspects of the game of basketball: advanced defense, advanced offense, advanced strategies, and special situations associated with the game of basketball. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 211A

Beginning Baseball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Beginning fundamentals of fielding, throwing and hitting. Includes play situations with an emphasis on team offensive and defensive strategy. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAC 211B

Intermediate Baseball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 211A With a grade of "C" or better

Intermediate fundamentals designed to help prepare the student for baseball competition. Students will learn offensive skills, defensive skills, and communication under competitive game conditions. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAC 220A

Beginning Basketball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Co-educational team sport activity which provides basic skills and techniques are refined at the beginner level. Rules, game strategies, and competitive activities are included. This course will be offered as a half-unit or one-unit course and may not be repeated..

CSU/UC

KNAC 220B

Intermediate Basketball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 220A

Co-educational team sport activity which provides intermediate instruction in the techniques, tactics and strategies associated with competitive basketball. Special emphasis placed on individual drills and skills such as catching, dribbling, passing, shooting, offensive and defensive strategies are utilized as well as competitive play situations. This course will be offered as a half- unit or one-unit class and may not be repeated.

CSU/UC

KNAC 220C

Advanced Basketball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 220B

Co-educational team sport activity for students with advanced skills. Review of basic fundamental skills and emphasis on advanced development of skills and strategies associated with competitive basketball. This course will be offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAC 226A

Beginning Water Polo

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Students must be able to swim and be comfortable exercising in deep water.

Instruction and experience in the fundamentals and strategies of water polo. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 230A

Beginning Flag Football

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This is a physical activity course designed to provide instruction and practice in the basic skills, techniques, fundamentals, strategies, and rules of the game of flag football. These activities are based on a beginning level. This course will be offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAC 260A

Beginning Soccer

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is an introduction to the beginning skills and rules associated with the sport of soccer. Emphasis will be placed on the proper technique used for these beginning skills as well as FIFA Laws of the Game. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 260B

Intermediate Soccer

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 260A

This course is designed to review and solidify the proper techniques associated with outdoor soccer and FIFA Laws of the Game. The intermediate skills necessary as well as the tactical aspects of the game will be introduced. Emphasis will be placed on improving the students technical abilities and tactical team formations used in the game of soccer. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 260C

Advanced Soccer

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 260B

This course is designed to review and solidify the proper techniques associated with intermediate level outdoor soccer as well at the tactical aspects that were introduced. Emphasis will be placed on complete technical and tactical match preparedness and awareness. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 265A

Beginning Indoor Soccer

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course in an introduction to the beginning skills and rules associated with the sport of indoor soccer. Emphasis will be placed on the proper technique used for these beginning skills as well as the rules of the game. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 265B

Intermediate Indoor Soccer

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 265A

This course is designed to review and solidify the proper techniques and rules associated with the game of soccer (indoor). The intermediate skills necessary as well as the tactical aspects of the game will be introduced. Emphasis will be placed on improving the students technical abilities and tactical team formations used in the game of soccer (indoor). This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 265C

Advanced Indoor Soccer

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAC 265B

This course is designed to review and solidify the proper techniques associated with intermediate level indoor soccer as well as the tactical aspects that were introduced. Emphasis will be placed on complete technical and tactical match preparedness and awareness. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAC 270A

Beginning Softball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Fundamentals of fielding, throwing, hitting, and base running. Includes play situations and an emphasis on team offensive and defensive strategy. This course will be offered as a half-unit or one-unit class and may not be repeated..

CSU/UC

KNAC 290A

Beginning Volleyball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Instruction and practice in fundamental skills techniques, strategies, basic rules, team offense and defense, and team concepts of Volleyball. This course is offered as a half-unit or one- unit class and may not be repeated.

CSU/UC

KNAC 290B

Intermediate Volleyball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: KNAC 290A

An intermediate volleyball activities course. Emphasis will be placed on intermediate technical skill development, offensive and defensive systems analysis, and sport specific physical fitness assessment and conditioning activities. This course will be offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

Kinesiology Adapted Activities (KNAD)

KNAD 098

Topics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release Form required.

Specialized courses on topics related to the special needs of students with disabilities and chronic conditions as related to health and fitness. Not offered every semester. (Pass/No Pass Only)

KNAD 198

Topics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release Form required.

Specialized courses on topics related to the special needs of students with physical limitations as related to exercise fitness. Not offered every semester.

CSU

KNAD 201A

Beginning Adapted Swimming

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release Form required.

The class is designed for students with disabilities and chronic conditions to experience the benefits of swimming. Individualized exercise programs are designed to teach students adaptive strategies and beginning level techniques for pool entry/exit, breathing, and swim strokes to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAD 202A

Beginning Adapted Circuit Training

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release Form required.

This class is designed for students with disabilities and chronic conditions to experience the benefits of circuit training.

Individualized exercise programs are designed to teach students adaptive strategies and beginning level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAD 202B

Intermediate Adapted Circuit Training

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAD 202A and

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release form required.

The class is designed for students with disabilities and chronic conditions to increase their knowledge and skills competence in circuit training. Individualized exercise programs are designed to teach students adaptive strategies and intermediate level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAD 205A

Beginning Adapted Badminton

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release Form required.

This course is designed for students with disabilities and chronic conditions to introduce the fundamentals of badminton play.

Striking skills, ralleying, teamwork, rules, and court strategy are presented to meet the developmental needs of each student. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAD 208A

Beginning Adapted Aerobic Fitness

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release Form required.

The class is designed for students with disabilities and chronic conditions to develop knowledge and skills for improving cardiovascular fitness. Various aerobic and stretching exercises are performed to music. Exercise programs are designed to teach students adaptive strategies and beginning level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAD 208B

Intermediate Adapted Aerobic Fitness

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAD 208A and

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release required.

The class is designed for students with disabilities and chronic conditions to increase knowledge and skills competence in activities that improve cardiovascular fitness. Various aerobic and stretching exercises are performed to music. Exercise programs are designed to teach students adaptive strategies and intermediate level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAD 211A

Beginning Adapted Aquatics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release Form required.

The class is designed for students with disabilities and chronic conditions to experience the benefits of aquatic activities. In a group exercise setting, students are taught adaptive strategies and beginning level techniques for cardiovascular, balance, resistance, and core training. No swimming skills required. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAD 211B

Intermediate Adapted Aquatics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAD 211A and

Corequisite: Concurrent enrollment in: Adapted Kinesiology Medical Release form

This class is designed for students with disabilities and chronic conditions to increase their knowledge and skills competence in aquatic activities. In a group exercise setting, students are taught adaptive strategies and intermediate level techniques for cardiovascular, balance, resistance, and core training. No swimming skills required. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

Kinesiology Aerobic Fitness (KNAF)

KNAF 098

Topics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Specialized aerobic fitness courses related to the needs of Kinesiology students. (Pass/No Pass Only)

KNAF 140A

Beginning Walking/Jogging for Fitness

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course will emphasize cardiovascular walking/jogging for health and fitness for men and women who are interested in instruction and practice in cardiovascular conditioning. The

walking/jogging class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through aerobic and anaerobic conditioning. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAF 143A

Boot Camp Workout

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Instruction in overall fitness development. The program develops overall fitness and challenges students to perform aerobic, anaerobic, strength, plyometric and agility exercises to their individual highest level. It uses a variety of environments (i.e. beach, strength lab, track, field, etc). This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAF 144A

Beginning Cross Training

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This class will be comprised of aerobic workouts designed to introduce the student to the concept of cross training and trying different work-outs. The class will be divided into sections including walk/jog, step training, cardio boxing, weight training, and flexibility work-outs. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAF 146A

Beginning Stability Ball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

A core training and strengthening workout using stability balls and free weights (dumbbells) to build core strength and functional fitness. Designed to tone the entire body with special emphasis on progressively improving posture, balance, flexibility, core strength and coordination. This course will be offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAF 146B

Intermediate Stability Ball Training

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAF 146A

An intermediate core training and strengthening workout using stability balls and free weights (dumbbells) to build core strength and functional fitness. Designed to tone the entire body with special emphasis on progressively improving posture, balance, flexibility, core strength and coordination. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNAF 150A

Beginning Stretch, Flex and Tone

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

A combination of stretching and toning exercises to increase strength, flexibility, and overall body fitness. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAF 156A

Beginning Cardio Kickboxing

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. Kicks, punches, calisthenics, and rope jumping are combined to elevate heart rate and strengthen all major muscle groups. Students will learn to apply these self- defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAF 156B

Intermediate Cardio Kickboxing

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNAF 156A

A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. This class is designed to increaase competence in kicking and punching, calisthenics, and rope jumping in various combinations to improve fitness. Students will further develop intermediate level self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAF 157A

Beginning Cardio Pump

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Instruction in overall fitness development. This class is designed to incorporate weight lifting into a cardiovascular routine. It develops strength and endurance of all major muscle groups using routines performed to music. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAF 198

Topics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Specialized aerobic fitness courses on topics related to the needs of Kinesiology students. (Pass/No Pass Only)

CSU

Kinesiology Aquatics (KNAQ)

KNAQ 098

Topics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Specialized aquatics courses on topics related to special needs of Kinesiology students. (Pass/No Pass Only)

KNAQ 198

Topics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Specialized aquatics course on topics related to the needs of of Kinesiology students.

CSU

KNAQ 201A

Beginning Swimming

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Instruction and experience in the basic stroke techniques and safety procedures of swimming. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNAQ 201B

Lap Swimming

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Prior experience with basic swim strokes, turns, and treading water.

Individualized swimming program designed to improve swimming techniques and cardiovascular fitness. Emphasis on endurance training. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

Kinesiology Fitness (KNFI)

KNFI 098

Topics

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Specialized fitness activities courses on topics related to the needs of Kinesiology students. (Pass/No Pass Only)

KNFI 112A

Beginning Circuit Training

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

An introduction to fundamental principles and practices of circuit training including safety, using cardiovascular and resistance machines, and components of exercise. This course provides the basics of a comprehensive exercise program that combines cardiovascular exercises with strength training. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNFI 112B

Intermediate Circuit Training

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNFI 112A or

A continuation of exercise principles and practices of circuit training covered in Beginning Circuit Training. This course is designed to help students increase cardiovascular conditioning using a combination of resistive strength exercises and endurance training. Must complete Beginning Circuit Training prior to enrollment. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNFI 112C

Advanced Circuit Training

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNFI 112B or

An individualized fitness program developed to promote lifetime fitness. Employs a combination of cardiovascular machines (treadmill, steppers, bicycles, elliptical, rower, etc.), and resistance machines. This course is designed as a continuation of Intermediate Circuit Training and promotes increased cardiovascular and muscular endurance. Educates students on the principles of nutrition and the body's adaptation to exercise. This course is offered as a half-unit or one-unit class and may not be repeated.

CSU/UC

KNFI 114A

Beginning Spinning

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This class is geared towards improving one's cardiovascular fitness and muscular strength through a spinning program on a stationary bike. The program covers two basic types of terrain: flat roads and hills through changes in resistance and positions.

Spinning emphasizes everyone's individual needs, regardless of athletic ability, taught in a group atmosphere. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNFI 114B

Intermediate Spinning

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Experience with spin bike set up, adjustment, and intensity monitoring.

Individualized spinning program designed to improve spinning technique and cardiovascular fitness. Emphasis on endurance training. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNFI 115A

Beginning Cardiovascular Conditioning

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is offered as a half-unit or one-unit class and may not be repeated.A basic course designed for those people who desire a cardiovascular work-out using a combination of equipment such as stationary bikes, ellipticals, treadmills, rowers, etc. This course will cover elemental information as it regards to aerobic conditioning. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNFI 115B

Intermediate Cardiovascular Conditioning

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNFI 115A

A course designed for those people who desire a cardiovascular work-out using a combination of equipment such as stationary bikes, ellipticals, treadmills, rowers, etc. This course is a continuation of Beginning Cardiovascular Conditioning and is designed to help students increase their cardiovascular endurance developed as a beginner. This course will cover topics as they relate to aerobic conditioning. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNFI 115C

Advanced Cardiovascular Conditioning

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNFI 115B

A continuation of Intermediate Cardiovascular Conditioning. This course is designed for students to increase their cardiovascular conditioning using a combination of machines (bicycles, treadmills, ellipticals, etc.), advanced fitness concepts as they relate to lifelong fitness levels will be covered. This course provides students with the opportunity to elevate their endurance and cardiovascular levels to the high-end of the aerobic range.

This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNFI 147A

Beginning Weight Training

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Introductory instruction in basic weight lifting concepts and experiential practice in large muscle area development utilizing guided and free weights. Development will be in muscle size or tone and strength or endurance. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

KNFI 147B

Intermediate Weight Training

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: KNFI 147A

This course is designed for students to increase their knowledge and skills competence in large muscle area development utilizing free weights. Individualized exercise programs are designed to teach students intermediate level strategies and techniques.

Development will be in muscle size or tone and strength or endurance. This course is offered as a half unit or one unit class and may not be repeated.

CSU/UC

Kinesiology Health Education (KNHE)

KNHE 098

Topics

Unit(s): 0.500-3.000 Class Hours: 9.000-54.000 Lecture total.

Specialized health-related courses on topics related to the needs of Kinesiology students. (Pass/No Pass Only)

KNHE 101

Healthful Living

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A comprehensive look at factors that impact people's health, longevity and lifetime wellness designed for honors students. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety.

CSU/UC

KNHE 101H

Honors Healthful Living

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

A comprehensive look at factors that impact people's health, longevity and lifetime wellness designed for honors students. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety.

CSU/UC

KNHE 102

Women's Health Issues

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An investigation into traditional and holistic health topics with a special emphasis on women's issues, considering all aspects and concepts of social and political influences, nutrition and fitness, relationships, sexuality, reproductive issues, and careers. Through analysis of these topics, students apply methods to healthy lifestyle choices.

CSU/UC

KNHE 103

Men's Health Issues

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Examines the societal, economic, cultural, and gender influences that shape men's health beliefs and practices. Explores specific health issues unique to men such as accessing health care, healthy relationships, domestic abuse, prostate cancer, and alcohol use. Critically examines literature and media to identify interventions within a masculinity framework to improve men's health outcomes. Identification of positive outcomes of healthy men at home, work, and in society.

CSU/UC

KNHE 104

Nutrition and Fitness

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

An applied nutrition course to improve the nutrition and health of active individuals. The course will focus on lifestyle, disease prevention, fitness, weight control, and the basic concepts of good nutrition.

CSU/UC

KNHE 106 (C-ID KIN 101)

Cardiopulmonary Resuscitation and First Aid

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR, and AED certification(s) will be granted upon successful completion of requirements.

CSU/UC

KNHE 108 (C-ID PH 107)

Stress Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course examines productive and nonproductive stress and the influence of various types of stress on health and wellness. Topics include the physiological aspects of stress and its effects on health, assessments of personal coping style, strategies for coping effectively with stress, relaxation techniques, mindful awareness, and positive self-talk. Emphasis is placed on practical application of stress management techniques in daily life.

CSU/UC

KNHE 111 (C-ID PHS 101)

Introduction to Public Health

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: English, one level below transfer (i.e., eligibility for English composition (C- ID ENGL 100) and a reading course with exit skills of the ability to read a college level text.

This course provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the core public health disciplines is covered. Topics of the discipline include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management.

CSU/UC

KNHE 112 (C-ID PHS 102; C-ID PH 102)

Health and Social Justice

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: English, one level below transfer (i.e., eligibility for English composition (C- ID ENGL 100) and a reading course with exit skills of the ability to read a college level text.)

This course provides an introduction to the health inequities in the United States that stem from unequal living conditions.

Students will explore how education, socioeconomic status, racism and gender shape health epidemics and policy development. The basic skills necessary for advocating for health and social justice will be theoretically demonstrated.

CSU/UC

KNHE 198

Topics

Unit(s): 0.500-3.000 Class Hours: 9.000-54.000 Lecture total.

Specialized health-related courses on topics related to the needs of Kinesiology students.

CSU

Kinesiology Intercollegiate Athletics (KNIA)

KNIA 098

Topics

Unit(s): 0.500-3.000 Class Hours: 9.000-54.000 Lecture total.

Specialized athletics courses on topics related to the needs of student-athletes. (Pass/No Pass Only)

KNIA 125

Conditioning for Football

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Students should be in good physical health and be able to safely engage in the course content.

This class is designed to prepare the college football athletes to play offense, defense, and special teams. The focus is on skill development and conditioning through resistance training and field work. This course is offered as a half-unit or one-unit class.

CSU/UC

KNIA 128

Conditioning for Athletes

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

An exercise program designed for athletes who participate in intercollegiate sports. Emphasis will be on the development of speed, endurance, flexibility, and strength. This course is offered as a half-unit or one-unit class.

CSU/UC

KNIA 133

Off Season Swimming

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: KNAQ 201A or equivalent high school experience.

This course is designed as an advanced aquatics class for student athletes with exceptional swimming talent who have an interest in skills development and conditioning for intercollegiate swimming. Emphasis is placed upon developing competitive strokes and strategies as well as learning collegiate swimming rules and regulations. A variety of training techniques geared toward building strength, speed, and endurance will be implemented.

This course is offered as a half-unit or one-unit class.

CSU/UC

KNIA 171

Wrestling - Off-Season

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is designed as a skills development and conditioning class for student athletes interested in wrestling. Fundamentals of wrestling, analysis of opponents strengths and weakness, and knowledge of rules and regulations of the sport are presented.

This course is offered as a half-unit or one-unit class.

CSU/UC

KNIA 198

Topics

Unit(s): 0.500-3.000 Class Hours: 9.000-54.000 Lecture total.

Specialized athletics courses on topics related to the needs of student-athletes. (Pass/No Pass Only)

CSU

KNIA 201

Baseball Men

Unit(s): 3.000 Class Hours: 175.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: High school or higher level baseball experience

This course is designed for student-athletes with exceptional baseball talent who intend to transfer and play baseball at the 4-year or professional level. Emphasis is on application of

collegiate baseball rules and regulations, offensive and defensive fundamentals and strategies and mental strategies for intercollegiate sports competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 202

Basketball-Men

Unit(s): 3.000 Class Hours: 175.000 Lab total.

This course is designed for student athletes with exceptional basketball talent so they may compete in intercollegiate basketball. Emphasis is placed upon application of collegiate basketball rules and regulations, offensive and defensive skills and strategies, and mental set for competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to intercollegiate competition.

CSU/UC

KNIA 204

Football-Men

Unit(s): 3.000 Class Hours: 162.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: To compete at the collegiate level, students should have prior experience at the high school or club level and must be physically able to safely participate in intercollegiate athletics. If no prior experience is inherent, then tangible attributes such as height, weight, strength, and speed results can be utilized to assess ability.

This course is designed for students with exceptional football talent so they may compete in intercollegiate football. The program provides competition with conference colleges as well as with other California community colleges. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 206

Swimming-Men

Unit(s): 3.000 Class Hours: 175.000 Lab total.

This class is designed for student athletes with exceptional swimming talent so they may compete in intercollegiate swimming. Emphasis is placed upon stroke technique, starts and turns, and collegiate rules and regulations. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 209

Water Polo-Men

Unit(s): 3.000 Class Hours: 162.000 Lab total.

This course is designed for student athletes with exceptional water polo talent so they may compete in intercollegiate water polo. Emphasis is place upon application of collegiate water polo rules and regulations, offensive and defensive strategies, and mental set for competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to intercollegiate competition.

CSU/UC

KNIA 210

Wrestling-Men

Unit(s): 3.000 Class Hours: 175.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: High school or higher level wrestling experience

This course is designed for student athletes with exceptional combative skills so they may compete in intercollegiate wrestling. Emphasis is placed on successful techniques and strategies for intercollegiate competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 211

Softball-Women

Unit(s): 3.000 Class Hours: 175.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: High school varsity softball experience.

This course is designed for student-athletes to participate in intercollegiate softball competition. A high-level, competitive program for student athletes with exceptional softball talent.

Emphasis is placed upon application of collegiate softball rules and regulations as well as defensive and offensive skills and strategies. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 212

Basketball--Women

Unit(s): 3.000 Class Hours: 175.000 Lab total.

This course is designed for student-athletes with exceptional basketball talent so they may compete in intercollegiate competition. Emphasis is placed upon application of collegiate basketball rules and regulations, offensive and defensive skills and strategies, and mental set for competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 213

Volleyball-Women

Unit(s): 3.000 Class Hours: 175.000 Lab total.

This course is desinged for student athletes with exceptional volleyball talent so they may compete in intercollegiate competition. Emphasis will be placed on advanced technical skill development, offensive and defensive systems analysis, sport specific physical fitness. Students must meet the California Community College Athletic Association eligibility requirements and pass a health screening prior to intercollegiate competition.

CSU/UC

KNIA 216

Soccer-Men

Unit(s): 3.000 Class Hours: 175.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: High school varsity soccer experience.

This soccer class is designed for student-athlete sport competition. Emphasis is placed on advanced technical and tactical development. Students must meet CCCAA eligibility requirements and pass a health screening prior to competition.

CSU/UC

KNIA 217

Swimming-Women

Unit(s): 3.000 Class Hours: 175.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: KNIA 133 or high school swim team experience.

This class is designed for student-athletes with exceptional swimming talent so they may compete in intercollegiate swimming. Emphasis is placed upon stroke technique, starts and turns, and collegiate rules and regulations. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 218

Track-Women

Unit(s): 3.000 Class Hours: 175.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Successful interscholastic track and field and/or cross country experience or equivalent.

This course is designed for student athletes with advanced running skills so they may compete in intercollegiate track. Emphasis is placed upon application of track & field techniques, advanced training modalities, rules and regulations of the sport, and strategies for successful intercollegiate competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 219

Cross Country-Women

Unit(s): 3.000 Class Hours: 175.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Successful interscholastic cross country and/or track and field experience or equivalent

This course is designed for student athletes with advanced running skills so they may compete in intercollegiate cross country. Emphasis is placed upon application of cross country techniques, advanced training modalities, rules and regulations of the sport and strategies for succesful intercollegiate competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 220

Soccer-Women

Unit(s): 3.000 Class Hours: 175.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: High school varsity soccer experience.

This soccer class is designed for student-athlete sport competition. Emphasis is placed on advanced technical and tactical development. Students must meet CCCAA eligibility requirements and pass a health screening prior to competition.

CSU/UC

KNIA 221

Water Polo-Women

Unit(s): 3.000 Class Hours: 175.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: KNIA 227 or former high school water polo team experience

This course is designed for student athletes with exceptional water polo talent so they may compete in intercollegiate water polo. Emphasis is placed upon application of collegiate water polo rules and regulations, offensive and defensive skills and strategies, and mental set for competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

CSU/UC

KNIA 223

Baseball

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: High school or higher level baseball experience

This course is designed for skill development and conditioning for intercollegiate baseball players. Emphasis is placed upon instruction and training in the skills, fundamentals, knowledge, strategies, conditioning, and teamwork required for intercollegiate level baseball. This course is offered as a half-unit or one-unit class in the class schedule.

CSU/UC

KNIA 227

Off Season Waterpolo

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is designed to provide skills development and conditioning for competitive waterpolo players to prepare for intercollegiate competition. Emphasis is placed upon instruction and experience in the fundamentals and strategies of the sport of water polo. This course is offered as a half-unit or one-unit class in the class schedule.

CSU/UC

KNIA 230

Preseason Football

Unit(s): 0.500 Class Hours: 4.500 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Health screening clearing student to participate in collegiate football.

This is an intensive course designed to prepare student athletes for a season of competition in intercollegiate football. It will include field work, classroom meeting time, and resistance training. The focus is skill development and preparation for a season of competition. It is included as part of the 175 contact hours allowed for student-athlete skill development and conditioning. Students must have a current health screening and doctor clearance to participate.

CSU/UC

KNIA 231

Football Camp

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 36.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Students must be of good health, physically fit, and either have experience at the collegiate, high school, or club level of football, or possess the tangible size and speed of a collegiate prospect.

This is an intensive course designed to prepare student athlete for a season of competition in intercollegiate football. It will include field work, classroom meeting time, and resistance training. The focus is skill development and preparation for a season of competition. It is included in the 175 hours allotted to football for offseason development.

CSU/UC

KNIA 232

Football

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Student should be of good health and can safely engage in course content.

Basic elements of the game including fundamental skills in stance, footwork, tackling and blocking techniques will be presented.

Offensive and defensive formations and strategies will be practiced. The focus is skill development and conditioning, and is included in the 175 hours allotted to football for offseason development. This course is offered as a half-unit or one-unit class.

CSU/UC

KNIA 235

Speed and Agility

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This class includes instruction on linear speed, non-linear speed, and jumping ability using state of the art plyometric training and speed specific training tools. This course is offered as a half-unit or one-unit class.

CSU/UC

KNIA 240

Advanced Basketball Skills-Men

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This class is designed to focus on skill development and sport conditioning for basketball players with exceptional talent.

Emphasis is placed upon application of basketball training techniques, offensive and defensive skills and strategies, and rules and regulations of the game.

CSU/UC

KNIA 261

Soccer-Women

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: High school varsity soccer experience.

This soccer class is designed for student-athlete sport conditioning and technical and tactical skill development. This course is offered as a half-unit or one-unit class.

CSU/UC

KNIA 262

Soccer-Men

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: High school varsity soccer experience.

This soccer class is designed for student-athlete sport conditioning, and technical and tactical skill development. This course is offered as a half-unit or one-unit class as scheduled.

CSU/UC

KNIA 270

Softball

Unit(s): 0.500 Class Hours: 36.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: High school or higher level softball experience

This course is designed for skill development and conditioning for intercollegiate softball players. Fundamentals of fielding, throwing, hitting, and base running. Includes play situations and an emphasis on team offensive and defensive strategy.

CSU/UC

KNIA 271

Softball - Off Season

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is designed for skills development and conditioning for exceptional softball players interested in intercollegiate competition. Basic skills and fundamentals of catching, throwing, pitching, hitting and baserunning will be discussed. Offensive and defensive techniques and strategies will be practiced. This course is offered as a half-unit or one-unit class.

CSU/UC

KNIA 281

Track and Field - Off Season

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is designed to provide skills development and conditioning for intecollegiate track and field athletes. Students learn the principles of team building while preparing for individual event specific activities. The focus will be on improving event specific technical skills, training methods, and mental set for competitive performance in track and field. Field trips to next level track and field events may occur. This course will be scheduled as a half-unit or one-unit class in the schedule.

CSU/UC

KNIA 291

Volleyball - Off Season

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

This course is designed as a high-level conditioning and skills development program for volleyball players with exceptional talent. This course is offered as a half-unit or one-unit class.

CSU/UC

KNIA 293

Sand Volleyball

Unit(s): 3.000 Class Hours: 175.000 Lab total.

This course is designed for student athletes so they may compete in intercollegiate sand volleyball. Emphasis will be placed on advanced technical skill development, offensive and defensive systems analysis, sport specific physical fitness. Students must meet the California Community College Athletic Association eligibility requirements and pass a health screening prior to intercollegiate competition. May be repeated.

CSU/UC

Kinesiology Professional (KNPR)

KNPR 101 (C-ID KIN 100)

Introduction to Kinesiology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions.

CSU/UC

KNPR 110

Kinesiology-related Occupational Work Experience

Unit(s): 1.000 Class Hours: 60.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Students must be concurrently enrolled or have completed KNSM 101 or the Fitness Specialist Certificate Program. Application must be approved by the Kinesiology Department Chair.

This work experience course consists of supervised paid or unpaid employment in an Athletic, Allied Health, or Fitness related setting. It is designed to assist students in acquiring desirable work habits, attitudes, and skills related to the student's educational major. Credit may be accrued at the rate of one to eight units per semester for a maximum of sixteen units. Seventy five hours of paid work or sixty hours of unpaid work equals one unit of credit. Student repetition is allowed per title 5 section 55253; however, only 1 unit may be applied toward major requirements or a certificate.

CSU

KNPR 125

Sport Psychology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An academic and practical examination of the psychological aspects of sport concentrating on the scientifically proven methods of enhancing athletic performance through psychological training.

CSU/UC

KNPR 150

Sport and Society

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Examines the role of sport in modern society. Looks at how sport influences and shapes global attitudes among nations.

Investigates the historical, social, economic, and political impact of sport on society.

CSU/UC

KNPR 155

Theory of Soccer

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course is designed for the competitive soccer player. Students will learn and develop a further understanding of the game of soccer. Laws of the game, offensive and defensive techniques and tactics, and the physical preparation for becoming a soccer player will be dicussed.

CSU/UC

KNPR 156

Sport Psychology Applications - Soccer

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course provides advanced mental training to improve soccer performance. Theories, strategies, and best practices include; mental set, arousal and performance, mental imagery, and motivation as they pertain to preparing for soccer competition. Students will develop necessary knowledge and skills to prepare for intercollegiate competition as well as self-assess readiness for transfer and the selection of transfer program.

CSU

KNPR 160

Sport and Fitness Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course examines all aspects of sports administration including the management process, organization of interscholastic and intercollegiate sports, human resources, fiscal issues, legal liability, and public relations. The course is intended for students interested in a career in physical education, coaching, fitness, and sports administration.

CSU

KNPR 165

Theory of Softball

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

A general overview of rules, regulations, strategies, mental preparation, skill evaluation, and the history of the sport of softball. Includes strategies and winning techniques of the game.

CSU/UC

KNPR 170

Sport Ethics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A class designed to examine ethics, moral questions, and value judgements related to sport. Its approach allows students to follow and analyze ethical arguments, think through philosophical issues, and apply them to the artistic expression of sport as well as everyday life.

CSU/UC

KNPR 175

Theory of Football

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Tactics and strategies applied to specific game situations incorporating evaluation of opponent's development of game plan including offense, defense, and the kicking game.

CSU/UC

KNPR 195

Student Athlete Success

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Corequisite: Concurrent enrollment in: Status as current SAC student athlete.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Athletic Counselor approved abbreviated and/or comprehensive education plan.

This course is designed to prepare Santa Ana College student athletes for balancing the roles of student and athlete as well as preparing them to transfer. Students learn essential information regarding athletic eligibility, interactions between their education plan and athletic goals, NCAA and NAIA transfer requirements, growth mindset in athletics, college success skills, and time management.

CSU/UC

KNPR 196

Sport Psychology Applications - Baseball

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This class provides advanced mental training to improve baseball performance. Theories, strategies, and best practices include; mental set, arousal and performance, mental imagery, and motivation as they pertain to preparing for baseball competition. Students will develop necessary knowledge and skills to prepare for intercollegiate competition as well as self-assess readiness for transfer and the selection of transfer program.

CSU

KNPR 198

Topics

Unit(s): 0.100-3.000 Class Hours: 2.000-54.000 Lecture total.

Specialized professional studies courses on topics related to the needs of Kinesiology students.

CSU

KNPR 200

Theory of Baseball

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Designed for the competitive baseball player. Topics to include offensive and defensive baseball strategies, bunting, baserunning, mental and physical preparation of becoming a baseball player.

CSU/UC

KNPR 202

Introduction to Personal Training

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is designed to introduce students to the fitness specialist career and prepare students for entry level personal trainer certification exams. Emphasis is placed on professional conduct, introduction of human movement science principles, and exercise program development for apparently healthy adults and children.

CSU

KNPR 205

Techniques of Exercise Leadership

Unit(s): 1.000 Class Hours: 9.000 Lecture total, 45.000 Lab total.

This course is designed to introduce and practice the principles and techniques invovled in teaching group exercise and developing personal trainer/client relationships. Emphasis is placed on client assessment, communication skills, program design, exercise adherance, teaching strategies, and professional responsibility and liability.

CSU

KNPR 217

Theory of Basketball

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course provides instruction for the competitive basketball player. Topics to include techniques and strategies of basketball, different types of defense and offensive patterns. Emphasis will be placed on the mental aspect of basketball, team play, biomechanics, and film study at a competitive level.

CSU/UC

KNPR 218

Sport Psychology Applications - Basketball

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This class provides advanced mental training to improve basketball performance. Theories, strategies, and best practices include; mental set, arousal and performance, mental imagery, and motivation as they pertain to preparing for basketball competition. Students will develop necessary knowledge and skills to prepare for intercollegiate competition as well as self-assess readiness for transfer and the selection of transfer program.

CSU

KNPR 275

Sport Psychology Applications-Football

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This class provides advanced mental training to improve performance in football. Theories, strategies, and best practices include; mental set, arousal and performance, mental imagery, and motivation as they pertain to preparing for competition.

Students will develop necessary knowledge and skills to prepare for intercollegiate competition as well as self-assess readiness for transfer and the selection of transfer program.

CSU

Kinesiology Sports Medicine (KNSM)

KNSM 098

Topics

Unit(s): 0.100-3.000 Class Hours: 2.000-54.000 Lecture total.

Specialized sports medicine courses on topics related to the needs of Kinesiology students. (Pass/No Pass Only)

KNSM 101

Introduction to Sports Medicine

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is designed to be an introduction to the field of sports medicine/athletic training. It includes exposure to basic human anatomy and common athletic injuries as well as appropriate injury management strategies.

CSU/UC

KNSM 198

Topics

Unit(s): 0.100-3.000 Class Hours: 2.000-54.000 Lecture total.

Specialized sports medicine courses on topics related to the needs of Kinesiology students. (Pass/No Pass Only)

CSU

Law (LAW)

LAW 100 (C-ID LPPS 110)

Law and Society

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Overview of the legal system including the courts, participants and various sources of law in the American legal system. Review of the legal and judicial process in the United States covering the adversarial system, jurisdiction of federal and state courts, and the general process of judicial review. Explanation of different sources of law including statutes, court cases and administrative agency rules. Review of basic legal reasoning and introductory legal research methods. Examination of legal ethics. Introduction to substantive areas of law and the effect the law has in various groups and individuals in our system. (Same as PARA 100.)

CSU/UC

LAW 105 (C-ID BUS 120)

Legal Environment of Business

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations. (Same as BUS 105)

CSU/UC

LAW 110

Legal Terminology

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

The study of terminology used in a law office and the court system.

CSU

LAW 120

Computers in the Law Office

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Exploration of technology utilized in a legal service office environment. Study of legal focused software and applications.

CSU

LAW 121 (C-ID LPPS 120)

Legal Ethical Reasoning

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides an introduction to concepts and theories of ethical decision-making, moral conduct, obligation and permission, justice, responsibility, as applied to the Legal Profession. The course will explore the application of the California Rules of Professional Conduct as applied to the legal profession and society in general. (Same as PARA 121).

CSU/UC

LAW 133

Legal Interpretation and Translation - Spanish / English

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Legal Spanish and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to law offices, courts, law enforcement, government, and other legal related business. Topics include proper translation of legal terminology, consecutive mode of interpreting in a legal setting, professional role, standards, code of ethics, documents, forms, court reporting, and legal cases.

Students must be fluent in both Spanish and English (oral and written) to be confirmed by instructor with first assignment. (Same as BA 133).

CSU

LAW 143

Legal Interpretation and Translation Vietnamese/English

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Legal Vietnamese and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to law offices, courts, law enforcement, government, and other law-related businesses. Topics include proper translation of legal terminology, consecutive mode of interpreting in a legal setting, professional role, standards, code of ethics, documents, forms, court reporting, and legal cases.

Students must be fluent in both Spanish and English (oral and written) to be confirmed by instructor with first assignment. (Same as BA 143)

CSU

LAW 170

Mock Trial

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course introduces students to the structure and practice of the American legal system through the simulation of a courtroom trial. Students will actively participate as attorneys, witnesses, and jurors in mock trials to gain hands-on experience in trial procedures, legal research, case preparation, courtroom etiquette, and argumentation. The course emphasizes critical thinking, courtroom presentation, while offering insight into legal careers such as litigation, criminal law, and legal advocacy. Field trip may be required.

CSU

LAW 299

Work Experience - Law

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits,

attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

Library Technology (LIBR)

LIBR 054

Children's Library Services

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Course explores standard library procedures and practices as they are adapted to a children's library situation. Each student has practice evaluating materials and using various methods for sharing literature with children, e.g. reading aloud, storytimes, displays, and bibliographies.

LIBR 101

Introduction to Library Technology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides an introduction to libraries as a career field with particular emphasis on the role of the library technician in various types of library settings. It also provides an overview of library collections, history, organization, staffing, services, terminology, and electronic online resources.

CSU

LIBR 102

Information Sources for Paraprofessionals: Tools and Techniques

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to information sources in both print and electronic formats. Includes a basic theoretical and practical exploration of the nature and types of information in selected subject fields. Builds skills in information searching and in the evaluation of information and information sources.

CSU/UC

LIBR 104

Organization of Information

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Fundamentals of organizing information for archival and special library settings, including resource description standards (Dublin Core, MODs), metadata management tools (crosswalks, MAPs), thesauri building, subject analysis (LCSH), authority control, and different types of metadata. Basic processes and practices for describing resources and item level records, analyzing subject content, and identifying the relationship between information organization and information seeking behavior.

CSU/UC

LIBR 108

Introduction to Archives

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Fundamental principles of archives: provenance, original order, acquisition, housing, appraisal, arrangement, description, preservation, and access. Survey of the history of archives, ethics, stewardship of cultural heritage materials, and current challenges in the field.

CSU

LIBR 110

Library Technical Services

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Survey of library technical services, exploring philosophies, ethics, policies, and procedures. Emphasis on materials acquisitions processes and workflows; cataloging and classification principles and rules (MARC, RDA, LC and Dewey Classification systems, and LC Subject Headings); metadata and its impact on user experience; and the future of technical services.

CSU

LIBR 112

Introduction to Digital Collections

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: DM 195 or ART 195

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: LIBR 104

Basic skills for managing digital collections and digital assets including: systems, metadata, collection life cycle, file formats, copyright, usability, and preservation. Basic processes to organize, describe, maintain, and make digital collections discoverable and user-centric.

CSU

LIBR 120

Arrangement and Description

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: LIBR 104 and LIBR 108 and

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: DM 195 or ART 195

Basic skills for arranging and describing archival collections and establishing physical and intellectual control, such as accession records, common arrangement systems, and determining processing priorities. Experience with archival management systems, such as ArchivesSpace, the key components of finding aids, and descriptive standards (DACS and EAD) utilized for effective organization and access to archival materials.

CSU

LIBR 122

Library Public Services

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Exploration of library public services with special emphasis placed on a variety of issues as they relate to the circulation of library materials, the delivery of reference services, the use of the Internet and full-text databases for reference, and the preparation and delivery of library programs.

CSU

LIBR 124

Work Experience - Library Technology

Unit(s): 1.000-2.000 Class Hours: 54.000-108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: LIBR 101 and LIBR 110 and LIBR 122 and

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: LIBR 054 and LIBR 102

This work experience course of closely supervised fieldwork experience or employment is designed to assist students in acquiring desirable work habits, attitudes, and skills in a library or information management setting that will allow the student to apply learned knowledge. Weekly review discussions are conducted online. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

Management (MGMT)

MGMT 111

Principles of Retailing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Overview of the retail industry. Structure, scope, and evolution of retail institutions; retail decision making is emphasized in relation to the following topics: organization and store management; merchandise assortment, pricing, and layout; identifying markets; and advertising, promotion, and sales. (Same as MKTG-111)

CSU

MGMT 120

Principles of Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Principles of Management provides students with an overview of the role of management in business. This course is for students who plan on becoming supervisors and managers in their field. It introduces students to the theories, terminology and foundations of management including the functional areas of planning, organizing, leading, and controlling within the context of social and cultural perspectives related to gender, age, race and ethnicity. (Same as Business 120).

CSU

MGMT 121

Human Relations and Organizational Behavior

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course explores managing human behavior in organizations and is designed to give students exposure to essential theories, practices and methods used within organizations to promote effective behavior. Topics tie human behavior to organizational dynamics, communication, leadership, power structures, and organizational design. (Same as Business 121).

CSU

MGMT 122

Business Communications

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Overview of oral and written communication skills used in business; emphasizes guidelines for improving writing and speaking skills, common solutions to common communication problems, ethical issues facing business communicators today, instructions on how to identify areas of legal vulnerability, and tested techniques for communicating successfully in today's high- tech, international business environment.

CSU

MGMT 125

Organizational Leadership

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Organizational Leadership equips students and aspiring leaders with the skills, strategies, and tools to take on leadership responsibilities and help to guide their organizations effectively. Students will examine the universal principles of leadership. This course covers the many approaches to leadership, the role of gender and diversity, and leadership ethics. Designed to build repeatable and transferable leadership skills for today's organizational environment. Learn how to set and communicate direction, influence through other managers, generate organizational alignment, drive innovation, and engineer change.

CSU

MGMT 130 (C-ID HOSP 100)

Introduction to Hospitality Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Overview of the Hospitality industry's structure and financial performances: food and lodging, resorts, tourism enterprises, attractions, and related operations. Focus on orientation to customer service, cultural/economic trends, and career opportunities. (Same as CULN 101).

CSU

MGMT 135

Human Resource Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introductory course covers the goals, activities, and challenges of human resources. Includes equal employment opportunity and diversity, recruitment and selection, leadership and motivation, training and development, compensation, and employee and labor/management relations.

CSU

MGMT 203 (C-ID HOSP 130)

Introduction to Food & Beverage Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Techniques and management procedures are explored and developed related to commercial and institutional food and beverage facilities. Topics include functions of management, marketing, menu development, effective cost controls in purchasing, labor, and service techniques. (Same as CULN 203).

CSU

Manufacturing Technology (MNFG)

MNFG 096

Manufacturing Technology Lab

Unit(s): 0.500-3.000 Class Hours: 36.000-180.000 Lab total.

Corequisite: Concurrent enrollment in: MNFG 174 or MNFG 176 or MNFG 184 or or or

A supplemental learning assistance course that provides supervised use of laboratory equipment for students enrolled in CNC machine courses to complete machine setup and operation projects. Students are expected to complete 27 lab hours for each

.5 unit of credit. May be repeated up to the maximum number of units. Grade: Pass/No Pass only. (Pass/No Pass Only)

MNFG 103

Solidworks Beginning Solid Modeling

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introductory course in parametric solid modeling using

Solidworks, an industry standard engineering design software (CAD). This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc.), including the preparation of individual solid components and basic solid model assemblies (Same as Engineering 103).

CSU

MNFG 104

Solidworks Intermediate Solid Modeling

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 103 or ENGR 103 Completion with a grade of "C' or better or

Intermediate course for solid modeling using Solidworks, an industry standard engineering design software (CAD). Includes a review of the introductory class and changes to the Solidworks interface. Instruction in the use of intermediate Solidworks part modeling skills such as assembly modeling and sub-assemblies is included (Same as Engineering 104).

CSU

MNFG 105

SolidWorks Advanced Solid Modeling

Formerly: Solidworks Advanced Solid Modeling

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 104 or ENGR 104

Advanced course for solid modeling includes a review of the intermediate class and changes to the Solidworks interface. Instruction in the use of Solidworks part modeling, assembly modeling, sub-assemblies, advanced photoworks and advanced animator emphasized (Same as Engineering 105).

CSU

MNFG 106

SolidWorks Drawings

Formerly: Solidworks Drawings

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 103 or ENGR 103

Creation and use of drawing templates, importing of solids data into the drawing template, and modification of the resulting drawings to current industry standards.

CSU

MNFG 107

SolidWorks CSWA Exam Prep

Formerly: CSWA Exam Prep

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 104

The CSWA exam preparation class introduces students to the SolidWorks certification process, helps them prepare for the CSWA, using sample exams, and administers the Official SolidWorks CSWA exam.

CSU

MNFG 111

Basic Mechanical Blueprint Reading

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Reading and interpreting blueprints for manufacturing technologies (Same as Engineering 111.)

CSU

MNFG 114

Geometric Dimensioning and Tolerancing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Drawing interpretation utilizing geometric dimensioning and tolerancing per ASME Y14.5M (formerly ANSI Y14.5M) as applied in engineering, manufacturing, and inspection. Suggested preparation: prior course or experience in drafting with conventional dimensioning and tolerancing. (Same as Engineering 114)

CSU

MNFG 115

QC1 Quality Inspection

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introductory course in Quality Control operations. Course includes dimensional inspection, completion of inspection reports, training and expectations for various quality inspector positions, as well as an introduction to various quality concepts that support inspection positions.

CSU

MNFG 116

QC Operations with Verisurf Software

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: MNFG 111 or MNFG 115

Introductory course in the operation of Verisurf inspection software. This course includes a review of Geometric Dimensioning and Tolerancing and operation of Verisurf software during inspection of three dimensional manufactured parts. This software is also used in creation of inspection reports as a form of data recording in a quality control environment.

CSU

MNFG 117

QC Operations with PC-DMIS CMM-1

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 111

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: MNFG 114

Introductory course in the operation of PC-DMIS CMM Software. This course instructs the user how to dimension, program, and inspect features of 3D parts. Course includes dimensional explanation of relevant GD&T concepts, importing and using of CAD models, and reporting results from each activity.

CSU

MNFG 118

QC Operations with PC-DMIS CMM-2

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 117

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: MNFG 114

Supplementary course in the operation of PC-DMIS CMM Software. This course instructs the user in additional dimensioning, programming, and system menu options. Course includes additional instruction in probe calibrations, dimensioning options, model translations, and scanning functionality.

CSU

MNFG 119

QC2: Quality Theory

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 115

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: MNFG 114

Intermediate course for quality control operations. Course discusses quality theory as well advanced quality operations such as, inspection planning, calibration systems, sampling, quality tools including SPC and their implementation, auditing, corrective and preventative action, lean manufacturing concepts, and customer and supplier relationships.

CSU

MNFG 120

Introduction to Medical Device Quality

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

The course goal is to teach students an overview of quality system regulations and standard compliance used in the medical device industry. The course content will be applicable to the medical technology disciplines of manufacturing, engineering, welding, and biotechnology. This will be placed within a strategic context to generate discussion regarding the importance of quality management and to relate it to other business and organizational issues.

CSU

MNFG 121

Quality Control for Medical Devices

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 120

The course goal is to teach students quality control elements to support the medical device industry. The course content will be applicable to the medical technology disciplines of manufacturing, engineering, welding, and biotechnology.

Students will be taught the concepts and principles of quality control and gain knowledge of the relevant tools, models and techniques. The course provides "real world" applications and discussions of current and relevant topics of quality systems.

CSU

MNFG 128

Basic Metals Technology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Basic metals terminology and its application in modern industry. Involves metal classification systems, destructive metal testing, metal refining, and heat treatment of various metals with resulting strength and structural changes.

CSU

MNFG 130A

CATIA I

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introductory course in parametric solid modeling CAD using

CATIA software, which is used extensively in the aerospace and automotive fields. Topics include: CAD overview, sketching, basic solid model creation (base features, pads, pockets, grooves, shafts, etc.) sketch constraints, reference elements, hole features, feature editing, assembly and drawing creation.

CSU

MNFG 130B

CATIA II

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 130A

Intermediate course in parametric solid modeling CAD using CATIA software, which is used extensively in the aerospace and automotive fields. Topics: intermediate/ advanced level sketching and modeling (sweeps, ribs, slots), feature editing and transformation, assemblies, drawing workbench, surface modeling, and other CATIA modules.

CSU

MNFG 140

Basic ESPRIT EDGE

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Instruction of computer assisted numerical control programming using ESPRIT EDGE software. Basic concepts and methods of importing 3D geometry to create Computer Aided Manufacturing (CAM) toolpaths and programs using ESPRIT EDGE software.

CSU

MNFG 141

Advanced ESPRIT EDGE

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 140

Instruction of computer assisted numerical control programming using ESPRIT EDGE software. Advanced concepts and methods of importing 3D geometry to create Computer Aided Manufacturing (CAM) toolpaths and programs using ESPRIT EDGE software.

CSU

MNFG 153

Technical Mathematics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Ratios and proportions, formulas, measurements (linear, surface, and volume), geometric construction, and right triangles. Basics of algebra, geometry, and trigonometry for the manufacturing industry.

CSU

MNFG 158

Basic Conventional Machining Concepts and Operations

Formerly: Basic Machining Concepts and Operations

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 126.000 Lab total.

Fundamental operations on lathes, milling machines, grinders, and drill presses, including precision measurements and layout. Equips students with skills and theory necessary to enter or upgrade within the machinist trade. (Same as Engineering 158).

CSU

MNFG 159

Advanced Conventional Lathe Concepts and Operations

Formerly: Advanced Turning Concepts and Operations

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 126.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 158 or ENGR 158

Machine turning theory and skill development with emphasis on lathe principles, capabilities, and operations. Includes construction, tool grinding, and turning machine operations such as diameter turning and boring, external and internal single point treading.

CSU

MNFG 168

Advanced Conventional Mill Concepts and Operations

Formerly: Advanced Milling Concepts and Operations

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 126.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 158 or ENGR 158

Advanced machine tool operation and setup with emphasis on milling machine principles, use and capabilities, accessories, and operations. Includes operations with the offset boring head and rotary table.

CSU

MNFG 169

Conventional Machining Job Shop Skills

Formerly: Job Shop Skills

Unit(s): 0.500-3.000 Class Hours: 27.000-162.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 159 and MNFG 168

Experience in planning, setup and machining of a wide variety of projects using all machine tools. Students will build upon the skills and theory gained in beginning and advanced Manufacturing Technology classes or by on-the-job experience.

CSU

MNFG 171

CNC Program Writing

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: MNFG 158 and MNFG 111

Introductory course for manual CNC program writing. This course will include coordinate system, absolute/incremental programming, circular interpolation, cutter radius compensation, canned cycles, and program formatting.

CSU

MNFG 173

Mastercam 2D Geometry, 2D Toolpaths

Formerly: Mastercam - 2D Geometry, 2D Toolpaths

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Computer assisted numerical control programming of machine tools using Mastercam software. Creation of 2D-part geometry. 2D-part programming including contouring, pocketing, drilling, and tapping.

CSU

MNFG 174

CNC Mill Set-up and Operation

Formerly: CNC Milling Center Set Up and Operation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 171 MNFG 158

Corequisite: Concurrent enrollment in: MNFG 096

Setup and operation of numerically controlled mill with emphasis on the application of the Fanuc controlled machine and CNC machining methods used in the industry. This course provides students with hands-on training in CNC mill machine setup and operation. Emphasis is placed on proper tooling, machine preparation, workholding, and safe operation of CNC mill.

Students must enroll in one of the MNFG 096 lab sections concurrently. The lab requires 1.5 hours per week (0.5 unit), for a total of 27 scheduled lab hours per semester to earn credit.

CSU

MNFG 175

Mastercam 3D Geometry, 3D Surfaces

Formerly: Mastercam - 3D Geometry, 3D Surfaces

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 173

Continued instruction of computer assisted numerical control programming. Advanced concepts and methods of creating 3D geometry and 3D surfaces using Mastercam 3D software.

CSU

MNFG 176

CNC Lathe Set-up and Operation

Formerly: CNC Turning Center Set Up and Operation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 171 and MNFG 158

Corequisite: Concurrent enrollment in: MNFG 096

Setup and operation of numerically controlled lathe with emphasis on the application of the Fanuc controlled machine and CNC machining methods used in the industry. This course provides students with hands-on training in CNC lathe machine setup and operation. Emphasis is placed on proper tooling, machine preparation, workholding, and safe operation of CNC lathe. Students must enroll in one of the MNFG 096 lab sections concurrently. The lab requires 1.5 hours per week (0.5 units), for a total of 27 scheduled lab hours per semester to earn credit.

CSU

MNFG 177

Mastercam - 3D Toolpath and CAM Applications

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 175

Advanced concepts in the manufacturing of machine parts using MASTERCAM software and CNC machining centers. Emphasis placed on programming and machining 3 dimensional surfaces. Problem solving in roughing, finishing, fixturing, and machining of a variety of part configurations.

CSU

MNFG 178

Mastercam Multi-axis Lathe

Formerly: Mastercam Lathe

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 173

Computer assisted numerical control programming of machine tools using MASTERCAM lathe software. Emphasis placed on lathe toolpaths: facing, turning, grooving, boring, and threading.

CSU

MNFG 184

Advanced CNC Mill Programming, Set-up, and Operation

Formerly: Advanced CNC Mill Set Up and Operation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 171 and MNFG 174

Corequisite: Concurrent enrollment in: MNFG 096

Advanced set-up and operation of CNC Machining Center. Student will learn the advanced concepts in set up and operation of the state of the art milling equipment. Course curriculum will include instruction on boring cycles, reaming cycle, thread milling, 4th axis rotary table, and multiple fixture offsets. Corequisite enrollment is required in MNFG 096. Students are required to attend 1.5 hours per week for a 0.5 unit Lab. Students must complete 27 hours of scheduled lab work per semester to earn 0.5 units for lab. Lab hours are scheduled at the first class meeting.

CSU

MNFG 186

Advanced CNC Lathe Programming, Setup, and Operation

Formerly: Advanced CNC Lathe Programming, Setup and Operation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 171 and MNFG 176

Corequisite: Concurrent enrollment in: MNFG 096

Advanced programming, set-up, and operation of CNC lathe. Course curriculum will include instruction on C-Axis with live tooling. Students must enroll in one of the MNFG 096 lab sections concurrently. The lab requires 1.5 hours per week (0.5 unit), for a total of 27 scheduled lab hours per semester to earn credit.

CSU

MNFG 194

CNC Horizontal Mill Set-up and Operation

Formerly: CNC Horizontal Mill Setup and Operation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 171 and MNFG 174

Corequisite: Concurrent enrollment in: MNFG 096

Set-up and operation of CNC Horizontal Machining Center. Course curriculum will include instruction on multi fixtures, rapid pallet changing, and the ability to machine several sides at once with a single set-up using fully programmable 4th axis to boost productivity, cut lead times, and lower production costs. Students must enroll in one of the MNFG 096 lab sections concurrently. The lab requires 1.5 hours per week (0.5 unit), for a total of 27 scheduled lab hours per semester to earn credit.

CSU

MNFG 195

Mastercam 5-axis Mill Toolpath and Application

Formerly: Mastercam 5 Axis Mill Toolpath and Application

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MNFG 174 and MNFG 175

Students will use Mastercam Software and Blade Expert to create various Multi Axis Toolpaths. Course includes programming, set up and operation of a 5 axis DMU-50 milling machine with CNC Siemens control to complete various student's group projects.

CSU

MNFG 256

Alternative Welding Processes

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: WELD 101 and WELD 125

The Alternative Welding Processes course focuses on robot and laser safety, programming, and operation. The course trains students in the fundamentals of robot programming and language. Laser welding includes the development and documentation of procedures and qualification of welds, and the calibration of equipment for welding. Same as WELD 256.

CSU

Marketing (MKTG)

MKTG 111

Principles of Retailing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Overview of the retail industry. Structure, scope, and evolution of retail institutions; retail decision making is emphasized in relation to the following topics: organization and store management; merchandise assortment, pricing, and layout; identifying markets; and advertising, promotion, and sales. (Same as MGMT-111)

CSU

MKTG 113

Principles of Marketing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The process of selling, marketing, and developing products that will satisfy the many needs of consumers and businesses. Includes market research techniques, pricing, distribution, and promotion.

CSU

MKTG 116

Global Marketing: Selling Around the World

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This comprehensive Global Marketing course explores the dynamic and evolving landscape of international business, equipping students with the tools and strategies needed to successfully market products and services in global markets. Through an analysis of market entry strategies, cross-cultural consumer behavior, global branding, digital marketing trends, and international trade regulations, students will gain a deep understanding of the challenges and opportunities in diverse global markets. (Same as BUS 116 Global Marketing: Selling Around the World).

CSU

MKTG 120

Understanding Consumer Behavior – Getting them to Buy, Buy, Buy

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This course will explore the science, mechanics, dynamics, and culture of consumers and their behavior. Understanding your consumer leads to long-term relationships, which translates to sales and profits for your business. Students will learn how to analyze consumer behavior using the latest tools, techniques, and technology.

CSU

MKTG 121

Negotiating - Getting to a Win-Win

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Learn the techniques of successfully negotiating a Win-Win business transaction. By learning the different negotiating styles, students will gain skills working with customers in all business segments.

CSU

MKTG 122

Sales Strategies that Build Business Relationships & Increase Sales

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Learn how professional sales people build relationships with customers and clients that lead to increased sales. Learn how to effectively communicate, persuade, overcome objections, and close the deal.

CSU

MKTG 123

Marketing and Technology - Trends and Cutting Edges

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This course will cover the latest trends in mixed marketing technologies. Learn to use the latest technologies to drive awareness, create demand, and close sales. Discover the latest trends, strategies, and tools for using technology for marketing - what they are, how they work, and how to get started.

CSU

MKTG 124

Cause Marketing and Public Relations - Doing Well by Doing Good

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

This course will cover how companies can be successful by doing good, helping society and people. Learn about not-for-profit businesses and socially responsible for-profit businesses. Learn how authentic corporate giving, cause marketing, and the power of public relations can help drive the triple bottom line - profits, people and planet.

CSU

MKTG 125

Advertising & Promotion – Get the Word Out & Keep your Customers Buying

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course will provide students with an in-depth look into cutting-edge advertising and promotion strategies used by small, medium, and large companies. Students will learn how to create an advertising campaign, including the planning, costs, and creative design process. Students will learn how promotions are used to increase sales, to build brand loyalty, and to build relationship with customers.

CSU

MKTG 126

Distributing Products & Services – Reaching Customers Where They Shop

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course will teach the latest and most cost effective strategies to reach your customer. Students will learn how an efficient B2B and/or B2C distribution system utilizing marketing intermediaries, direct sales, online distribution, and global markets can increase profits. Supply Chain strategies, channel evaluation, and relationships will be highlighted.

CSU

MKTG 127

Introduction to E-Commerce

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Electronic commerce (e-commerce) from a marketing and managerial perspective focusing on the retailing, business-to- business, and service industries. Topics include e-commerce infrastructure, intranets and extranets, electronic payment systems, marketing research, advertising, e-commerce strategies, and privacy issues (Same as BUS 127).

CSU

MKTG 128

Advertising and Distribution

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will provide students with an in-depth look into cutting edge advertising and promotion strategies used by small, medium, and large companies. Students will learn how to create an advertising campaign, including the planning, costs, and creative design process. Students will learn how promotions are used to increase sales, to build brand loyalty, and to build relationship with customers. This course will teach the latest and most cost-effective strategies to reach your customer. Students will learn how an efficient B2B and/or B2C distribution system utilizing marketing intermediaries, direct sales, online distribution, and global markets can increase profits. Supply Chain strategies, channel evaluation, and relationships will be highlighted.

CSU

MKTG 129

Sales, Negotiation, and Consumer Behavior

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will explore the science, mechanics, dynamics, and culture of consumers and their behavior. Understanding consumers leads to long-term relationships, which translates to sales and profits for businesses. Students will learn how to analyze consumer behavior using the latest tools, techniques, and technology. Students will learn the techniques of successfully negotiating a Win-Win business transaction. By learning the different negotiating styles, students will gain skills working with customers in all business segments. Students will learn how professional sales people build relationships with customers and clients that lead to increased sales. Learn how to effectively communicate, persuade, overcome objections, and close the deal.

CSU

MKTG 130

Business Writing for Social Media

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Learn how to write professional business content for social media and digital marketing by focusing on purpose and intended audiences. Learn proper techniques and innovative marketing writing strategies to become effective at using current industry standard social media platforms such as Instagram, Twitter, Facebook, Snapchat, Pinterest, and YouTube videos. Same as ENTR 130.

CSU

Mathematics (MATH)

MATH N06

Essential Mathematics

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Reviews whole numbers, fractions, decimals, percents, geometric formulas and signed numbers. Not applicable for the Associate degree.

MATH C2210 (C-ID MATH 210, C-ID MATH 900S = MATH C2210 + MATH C2220)

Calculus I: Early Transcendentals

Formerly: MATH 180, Single Variable Calculus I

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Prerequisites: Pre-calculus, or college algebra and trigonometry, or equivalent, or placement as determined by the college's multiple measures assessment process.

A first course in differential and integral calculus of a single variable. Topics include limits and continuity of functions, techniques and applications of differentiation, an introduction to integration, and the Fundamental Theorem of Calculus. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates, and areas. *Formerly: MATH 180 - Single Variable Calculus I.*

CSU/UC

MATH C2220 (C-ID MATH 220, C-ID MATH 900S= MATH C2210 + MATH C2220)

Calculus II: Early Transcendentals

Formerly: MATH 185, Single Variable Calculus II

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Prerequisites: Calculus I: Early Transcendentals (MATH C2210), or equivalent, or placement as determined by the college's multiple measures assessment process.

A second course in differential and integral calculus of a single variable. Topics include applications of integration, techniques of integration, infinite sequences and series, and the calculus of parametric and polar equations. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. Applications of integrals, including volumes, work, arc length, and surface area. Integration techniques, differential equations, conics, parametric equations, polar coordinates, improper integrals, sequences, and infinite series. *Formerly: MATH 185 - Single Variable Calculus II*.

CSU/UC

MATH 019

Support for Math 219 Probability and Statistics

Unit(s): 0.500 Class Hours: 36.000 Lab total.

Corequisite: Concurrent enrollment in: STAT C1000

A review of mathematics needed to be successful in Probability and Statistics. Topics are drawn from Pre-Algebra and Algebra. Intended to be taken concurrently with Math 219 for students who did not directly place into Math 219 or for students who would like to supplement their learning with prerequisite skills.

MATH 030

Coping with Math Anxiety

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Covers the concept of math anxiety - what causes it and how to overcome it. Includes review and practice of basic math skills.

MATH 040

Support for College Algebra

Unit(s): 0.500 Class Hours: 36.000 Lab total.

Corequisite: Concurrent enrollment in: MATH 140

A review of mathematics topics from Elementary and Intermediate Algebra which are needed to be successful in College Algebra.

Intended to be taken concurrently with College Algebra (Math 140) for students who did not directly place into Math 140, or for students who would like to supplement their learning with prerequisite skills.

MATH 072

Explorations In The Calculus

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Corequisite: Concurrent enrollment in: MATH 172

This course provides students with an introduction to Calculus concepts and fundamentals through investigation and application of Algebra. Students will take this course concurrently with Math 172 - Algebra and Trigonometry for Calculus, and explore how these topics integrate into the world of change.

(Pass/No Pass Only)

MATH 087

Support for Calculus I

Unit(s): 0.500 Class Hours: 36.000 Lab total.

Corequisite: Concurrent enrollment in: MATH C2210

A review of Algebra and Trigonometry topics needed to be successful in Calculus. Intended to be taken concurrently with Calculus 1 (Math 180) to supplement student learning with prerequisite skills. (Pass/No Pass Only)

MATH 098-00

Topics

Unit(s): 1.000-4.000 Class Hours: 3.000-72.000 Lecture total.

Special Mathematics courses covering topics related to the needs of SAC Math students.

MATH 105

Mathematics for Liberal Arts Students

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures

An overview of mathematics for the liberal arts student. Topics will include problem solving, financial management, probability, statistics, set theory, geometry, mathematical modeling, and the history of mathematics.

CSU/UC

MATH 140

College Algebra

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures

Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series.

CSU/UC

MATH 140S

College Algebra with Support

(NOTE: only 4 of 4.5 units are UC transferable)

Unit(s): 4.500 Class Hours: 72.000 Lecture total, 36.000 Lab total.

Prerequisite: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures

Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series. Course includes just-in-time review of topics from arithmetic, Elementary Algebra, Intermediate Algebra, and/or other topics as necessary. Intended for students who did not directly place into Math 140 or for students who would like to supplement their learning with prerequisite skills needed for College Algebra.

CSU/UC

MATH 150 (C-ID MATH 140)

Calculus for Biological, Management and Social Sciences

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: College algebra or equivalent, or a qualifying profile based on multiple measures

Single and multi-variable calculus including limits, derivatives, integrals, exponentials, and logarithmic functions and partial derivatives. Applications are drawn from biology, social science, and business.

CSU/UC

MATH 162 (C-ID MATH 851)

Trigonometry

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MATH 140 or equivalent skills as measured by placement into Math 162 according to the Santa Ana College Math Department's placement standards.

Angles and their measurement, trigonometry functions and their applications, including vector problems. Use of trigonometric identities. Graphing the basic functions and variations, solving trigonometric equations. Graphing using polar coordinates, and use of complex numbers.

CSU

MATH 170 (C-ID MATH 155)

Pre-Calculus Mathematics

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MATH 162

Advanced algebraic topics. Study of rational, trigonometric, exponential and logarithmic functions, and analytic geometry. Preparation for Mathematics 180.

CSU/UC

MATH 172

Algebra and Trigonometry for Calculus

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures

This course provides students with the foundational mathematical concepts and skills necessary for success in first-semester calculus. Topics covered include algebraic manipulations, functions and their graphs, trigonometric functions, exponential and logarithmic functions, and basic analytical geometry.

CSU/UC

MATH 180E

Calculus I: Early Transcendentals – Embedded Support

Unit(s): 4.500 Class Hours: 72.000 Lecture total, 36.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Pre-calculus, or college algebra and trigonometry, or equivalent, or placement as determined by the college's multiple measures assessment process.

A first course in differential and integral calculus of a single variable. Topics include limits and continuity of functions, techniques and applications of differentiation, an introduction to integration, and the Fundamental Theorem of Calculus. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. This course includes embedded support.

CSU/UC

MATH 198-00

Topics

Unit(s): 1.000-4.000 Class Hours: 3.000-72.000 Lecture total.

Special Mathematics course covering topics related to the needs of SAC Math students.

CSU

MATH 204 (C-ID MATH 120)

Mathematical Concepts for Elementary School Teachers

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures

Designed for prospective elementary teachers, the course emphasizes problem solving techniques and mathematical structure associated with numeration, set theory, elementary number theory, real number system, ratio, proportion, and percent. The course includes instructional delivery design and activity-based explorations.

CSU/UC

MATH 204L

Mathematics Content for Elementary Math Teachers (Lab)

Unit(s): 0.500 Class Hours: 36.000 Lab total.

Corequisite: Concurrent enrollment in: MATH 204

Students in Math 204L will receive individual and/or group instruction advancing students conceptual understanding of the mathematics needed to teach elementary school. Instruction integrates hand-ons learning, projects, and presentations. (Pass/No Pass Only)

CSU

MATH 280 (C-ID MATH 230)

Intermediate Calculus

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MATH 185

Vectors and three-dimensional space, functions of several variables, partial derivatives, and multiple integrals. Vector calculus, Green's Theorem, Stoke's Theorem, and the Divergence Theorem.

CSU/UC

MATH 287 (C-ID MATH 910S)

Introduction to Linear Algebra and Differential Equations

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MATH 185

Topics include matrices, determinants, vector spaces, linear systems of equations, linear product spaces, first and second order differential equations, systems of differential equations, and the Laplace transform.

CSU/UC

MATH 319

Quantitative Research Methods for Healthcare Professionals

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: STAT C1000 STAT C1000H STAT C1000E and PSYC 210

This course will develop skills and tools for understanding and performing quantitative research in healthcare sciences. The focus of the course will be on statistical research methods prevalent in healthcare sciences: including principles of experimental design, appropriate sampling, and running quantitative tests to determine the validity of claims.

Medical Assistant (MA)

MA 001

Work Experience - Medical Assistant

Unit(s): 0.500-4.000 Class Hours: 27.000-216.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MA 051A and MA 051B and MA 053 and MA 055

This work experience course of supervised employment is designed to facilitate medical assistants to acquire desirable work habits, attitudes and skills of a competent allied healthcare worker. This course also provides students with career awareness, opportunities to practice professionalism and integrate classroom learning and clinical practice in ambulatory medical clinics. Fifty- four hours of work equals one-unit of course credit. Student repetition is allowed per Title 5, Section 55253. MA001 may earn four units each semester and a maximum of fourteen units of college credit for work experience. (Pass/No Pass Only)

MA 020

Bloodborne and Airborne Pathogen Standards

Unit(s): 0.500 Class Hours: 9.000 Lecture total.

Presentation of California Occupational Safety and Health Act (Cal-OSHA) Bloodborne and Airborne Pathogen Standards for occupational at-risk exposure to Hepatitis B Virus, Hepatitis C Virus, HIV-AIDS, and Tuberculosis including compliance requirements, exposure control measures, exposure determination, engineering controls, work practice controls, personal protective equipment, universal precautions and post exposure practices.

MA 030

Phlebotomy

Unit(s): 1.000 Class Hours: 13.500 Lecture total, 13.500 Lab total.

This phlebotomy course is designed for health care workers and provides a comprehensive introduction to the practice of phlebotomy, with focus on safety procedures, equipment and point-of-care testing.

MA 051A

Beginning Medical Terminology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to medical terms including structural analysis of prefixes, combining form/roots, and suffixes. Emphasis on terms related to anatomy, physiology, diagnostic tests and pathology of the digestive, renal-urinary, and reproductive systems. Also, terms related to pregnancy and the newborn.

MA 051B

Advanced Medical Terminology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MA 051A

Continuation of MA 051A. Includes medical terms related to anatomy, physiology, diagnostic tests and pathology of the nervous, cardiovascular, respiratory, circulatory, musculoskeletal, skin, sensory, and the endocrine systems.

MA 053

Medical Assistant - Administrative Front Office

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Medical front office training including the role, responsibilities, professionalism, medical ethics and laws, medical records, filing, billing and collection, banking, bookkeeping, reception, telephone techniques, oral and written communication, resume, and job seeking skills. Also includes a unit on first aid and life threatening illnesses.

MA 054

Medical Insurance Billing and Coding

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MA 051A

Medical Insurance Billing and Coding includes guidelines, regulations, completion of insurance claims, and program information for Medicare, Medicaid/MediCal, TRICARE, Medi/ Medi, State Disability, Workers Compensation, and private commercial insurance. Instruction includes legal and ethical guidelines, and instruction in procedural coding, CPT, HCPCS, and diagnostic coding, ICD-10.

MA 055

Medical Assistant - Clinical Back Office

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Medical back office with emphasis on asepsis, sterilization, gloving and ungloving, assisting physician with exams and minor office surgical procedures, vital signs, vision testing, wound care, dressings, bandaging, specimen collections, medications, dosage calculations and injection techniques.

MA 056

Computer Applications for the Medical Office

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MA 051A and MA 053

This course is an introduction to computer applications for a medical office setting, including Practice Management with patient registration, scheduling, verifying insurance eligibility, posting charges and payments, computerized billing, and preparing insurance claims. The course also includes documenting components of clinical back-office encounters, ordering procedures and referrals, and preparing lab requisitions and prescriptions in an Electronic Medical Record.

MA 098-00

Topic Course

Unit(s): 0.500-3.000 Class Hours: 9.000-54.000 Lecture total.

Courses on a variety of contemporary topics will be offered to meet the interests and needs of students in Medical Assisting.

Music (MUS)

MUS 009A

Music Laboratory

Unit(s): 0.300 Class Hours: 18.000 Lab total.

Corequisite: Concurrent enrollment in: Corequisite: Concurrent enrollment in a music course.

Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. Beginning level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 18 hours earns 0.3 unit. (Pass/No Pass Only)

MUS 009B

Music Laboratory II

Unit(s): 0.300 Class Hours: 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 009A

Corequisite: Concurrent enrollment in: Corequisite: Concurrent enrollment in a music course.

Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. More beginning-intermediate level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 18 hours earns 0.3 unit. (Pass/No Pass Only)

MUS 009C

Music Laboratory III

Unit(s): 0.300 Class Hours: 18.000 Lab total.

Corequisite: Concurrent enrollment in: a music course.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 009B

Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. Intermediate level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 18 hours earns 0.3 unit. (Pass/No Pass Only)

MUS 009D

Music Laboratory IV

Unit(s): 0.300 Class Hours: 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 009C

Corequisite: Concurrent enrollment in: a music course.

Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. Advanced level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 18 hours earns 0.3 unit. (Pass/No Pass Only)

MUS 101 (C-ID MUS 100)

Music Appreciation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Designed to increase awareness and appreciation of music from the European classical tradition in relation to general culture and history. Develops basic understanding of musical elements and deepens student's experience of music. Recommended for non- music majors.

CSU/UC

MUS 101H (C-ID MUS 100)

Honors Music Appreciation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

An enriched approach designed for honors students. The European classical music tradition through study of musical elements, stylistic features, culture, and history. Readings, guided listening assignments, required concert attendance, and special projects. Recommended for non-music majors.

CSU/UC

MUS 102

World Music

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Music from the Far East, Southeast Asia, Africa, the Middle East, Europe and the Americas. Students are guided to enjoy and to understand music from diverse cultures. Investigation of the interconnections of culture, aesthetics, and musical styles. Concert attendance and assigned listening required.

CSU/UC

MUS 102H

Honors World Music

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

An enriched, in-depth study of music from Asia, Africa, the Middle East, Europe, and the Americas. Seminar-style critical investigation of the interconnections of style, culture, and aesthetics to promote enjoyment and understanding of world music.

CSU/UC

MUS 103

Jazz in America

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A historical survey of the development and evolution of jazz in America from its earliest roots in African and European music. The study will also include the social and economic conditions which influenced this art form.

CSU/UC

MUS 104

Rock Music History and Appreciation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Historical survey of rock music from its beginnings in the 50's to the present. Major rock and pop styles will be discussed.

Personalities and musical styles will be related to the social, political, and cultural context of the time.

CSU/UC

MUS 105

Film Music Appreciation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A study of the history and development of film music in the twentieth and twenty-first century. Students are guided through a critical examination of a variety of music soundtracks by prominent composers and will explore how the music reflects changes in our society and culture.

CSU/UC

MUS 109

Reading and Making Music

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Introduction to music reading. Practical experience in learning how to perform melodies, rhythms, and simple chords from a written score. Recommended for beginning instrumental and voice students and those preparing for music theory.

CSU/UC

MUS 110 (C-ID MUS 110)

Music Fundamentals

Formerly: Music Fundamentals and Culture

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to the notation and fundamental theoretical elements of Western music, demonstrated through a variety of styles, covering: pitch and rhythm concepts and structures, basic formal elements, and fundamental musicianship. Development of skills in handwritten notation is expected. In addition, interpreting music, written and aurally, with regard to its broad historical and cultural context will be covered, and critiquing different musical genres and styles in order to make aesthetic judgments about them by applying criteria from the knowledge and principles of music theory learned in class.

CSU/UC

MUS 111 (C-ID MUS 120, C-ID MUS 125)

Music Theory and Musicianship I

Unit(s): 4.000 Class Hours: 72.000 Lecture total, 18.000 Lab total.

Introductory level course in music theory and its applications in traditional and modern musical practice. Includes detailed study of rhythm, notation, scales, intervals, chords, diatonic harmony, and voice leading as well as sight singing and other musicianship skills. Ability to read music in at least one clef recommended.

Required of music majors; open to non-majors.

CSU/UC

MUS 112 (C-ID MUS 130, C-ID MUS 135)

Music Theory and Musicianship II

Unit(s): 4.000 Class Hours: 72.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 111

Continued study of harmony and ear training. Includes writing phrases and cadences, non-harmonic tones, harmonization, voice leading, melodic construction, figured bass, chord progression, and keyboard harmony. Required for music majors; open to non- majors.

CSU/UC

MUS 113A

Basic Musicianship Skills

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Ear training and in-class sight-singing preparation for students not ready for Music 114A. Arranged hours in Music Lab for computer programs and ear training computer programs. Basic knowledge of scales, intervals, and major key signatures recommended.

CSU/UC

MUS 113B

Musicianship Skills

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 113A

Continued ear training and in-class sight-singing preparation for students not ready for Music 114A. Arranged hours in Music Lab for computer programs and ear training programs. Basic knowledge of scales and intervals recommended. (Pass/ No Pass Only)

CSU/UC

MUS 114A (C-ID MUS 145)

Musicianship III

Formerly: Musicianship

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 112

Competency-based sight singing, rhythm, ear training, and dictation (melodic/harmonic) for performers and transferring music majors. Ear training software in the Music Lab is used for aural exercises.

CSU/UC

MUS 114B (C-ID MUS 155)

Musicianship IV

Formerly: Musicianship

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 114A

Competency-based sight singing, rhythm, ear training, and dictation (melodic/harmonic) for performers and transferring music majors. Ear Training software in the Music Lab is used for aural exercises. 114B semester uses more advanced materials.

CSU/UC

MUS 115A (C-ID MUS 160)

Applied Music (Private Instruction)

Unit(s): 1.500 Class Hours: 92.000 Lab total.

Prerequisite:

Prerequisite: Audition

Corequisite: Concurrent enrollment in: Concurrent enrollment in either a music ensemble or music theory course.

Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar. Five hours on-campus practice per week and attendance at weekly recital required. B, C, and D semesters require study of more advanced repertoire. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

CSU/UC

MUS 115B (C-ID MUS 160)

Applied Music (Private Instruction)

Unit(s): 1.500 Class Hours: 92.000 Lab total.

Prerequisite: Audition

Corequisite: Enrollment in a music ensemble.

Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 115A. Five hours on-campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

CSU/UC

MUS 115C (C-ID MUS 160)

Applied Music (Private Instruction)

Unit(s): 1.500 Class Hours: 92.000 Lab total.

Prerequisite: Audition

Corequisite: Concurrent enrollment in: Enrollment in a music ensemble.

Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 115B. Five hours on-campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

CSU/UC

MUS 115D (C-ID MUS 160)

Applied Music (Private Instruction)

Unit(s): 1.500 Class Hours: 92.000 Lab total.

Prerequisite: Audition

Corequisite: Enrollment in either a music ensemble

Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 115C. Five hours on-campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

CSU/UC

MUS 121

Beginning Voice

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Group instruction designed to develop basic principles of solo and choral voice production, diction, breath control, and posture. Practice outside of class required. Recommended for non-music majors and for music majors not studying privately..

CSU/UC

MUS 122

Intermediate Voice

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 121

Group instruction designed to develop intermediate principles of solo and choral voice production, diction, breath control, and posture. Vocal analysis of each student emphasized. Practice outside of class required. Song literature matched to student level. Designed for both music majors and non-music majors.

CSU/UC

MUS 123

Advanced Voice

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 122

Group instruction designed to present advanced vocal exercises for solo and choral vocal production. Instruction includes song literature in English and several foreign languages. Practice outside of class required. Designed for both music majors and non-music majors.

CSU/UC

MUS 124

Advanced Vocal Production and Repertoire

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 123

Continuation of group instruction for students who have completed three semesters of voice and can perform at an advanced level. Further develops advanced vocal and choral production through a variety of vocalize styles and techniques. Instruction includes advanced English and foreign language song literature. Practice outside of class required. Designed for both music majors and non-music majors.

CSU/UC

MUS 130

Vocal Production and Repertoire for Musical Theater

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Techniques for singing musical theatre repertoire. Group instruction designed to develop basic principles of solo and choral voice production for musical theater, diction, breath control, and posture. Practice outside of class required.

CSU/UC

MUS 135 (C-ID MUS 180)

Concert Chorale

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Audition with the choral conductor. Rehearsal and performance of standard and current choral repertoire.

Designed to train students in mixed ensemble singing. Public performance emphasized. Each semester requires performance of a variety of new and different repertoire.

Designed for students who have basic singing skills.

CSU/UC

MUS 136

Collegiate Choir

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Mixed chorus which rehearses and performs a variety of music, including classical, folk tunes, and songs from Broadway musicals. Each semester requires performance of new repertoire. May be repeated.

CSU/UC

MUS 137 (C-ID MUS 180)

Chamber Choir

Unit(s): 1.000 Class Hours: 72.000 Lab total.

Prerequisite: Audition with choral conductor. Rehearsal and performance of chamber choir repertoire from various historical periods. Course designed for festival and concert performance. Each semester requires the performance of new repertoire.

CSU/UC

MUS 140

Instrumental Methods for Winds and Percussion

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Instrumental instruction on woodwinds, brass, or percussion in an ensemble setting at the beginning and intermediate levels.

Fundamental skills developed through rehearsal and in-class performance of technical exercises and beginning/intermediate band repertoire.

CSU/UC

MUS 141

Instrumental Ensembles

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Study, rehearsal, and performance of music for small commercial instrumental groups. Music literature will differ each semester. Previous instrumental performance experience recommended.

CSU/UC

MUS 142

Creating Music on the Digital Audio Workstation

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Basic techniques in creating music with computer assisted technology, including the production of software instrument tracks, drum track programming, audio recording, editing, mixdown, and use of the software sampler. Students learn practical applications through creation of musical projects.

CSU/UC

MUS 143

Intermediate Techniques on the Digital Audio Workstation

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 142

Intermediate techniques in creating music with computer assited technology including digital sound manipulation, time and pitch editing, virtual mixing, auxilliary tracks, MIDI effects, and use of the software sampler. Students learn practical applications and electronic composition through creation of musical projects.

CSU/UC

MUS 144

Projects in Electronic Music

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 143 MUS 147

Exploration of digital recording and MIDI concepts for commercial applications. Individual projects will improve and extend students' skills in the areas of composition, sequencing, and recording.

CSU/UC

MUS 145

Jazz Improvisation and Performance Workshop

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Performance and analysis of jazz standards and popular pieces in a practical workshop setting. Elements of improvisation and ensemble playing are stressed. Assumes a rudimentary understanding of chords and scales. Open to all instrumentalists and vocalists.

CSU/UC

MUS 147

Digital Recording Studio Sound Design

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Techniques of sound design in the digital recording studio including creation of sampler instruments, classic analog

synthesizer programming, and other techniques of original sound creation using digital audio manipulation. Some prior experience on a digital audio workstation recommended.

CSU/UC

MUS 148

Music Scoring for Film and Multimedia

Unit(s): 2.000 Class Hours: 27.000 Lecture total, 27.000 Lab total.

Techniques of scoring music, audio, and sound effects to video and multimedia. Compositional elements of scoring to picture as well as technical elements of creating digital audio tracks are covered. Experience with digital recording and/or working with a digital audio workstation is recommended.

CSU/UC

MUS 149

The Business of Music

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Introduction to the business and legal aspects of the music industry. This course covers current trends and issues for performing and recording careers in music. Topics include copyright, royalties, recording contracts, performing rights organizations, publishing, and publicity.

CSU

MUS 152

Beginning Audio Production

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

Introduction to the theory and practice of audio production for radio, stage, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment.

Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software. (same as Digital Media 152)

CSU/UC

MUS 153

Video Game Music and Sound Design

Unit(s): 2.000 Class Hours: 27.000 Lecture total, 27.000 Lab total.

Introduction to the techniques and implementation of audio production in game design including the incorporation of music, dialog and sound effects. Recording, editing, digital effect application, looping, layering, and mixing for an interactive game environment are covered.

CSU

MUS 161

Class Piano I

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Group instruction for beginners emphasizing note reading, basic keyboard skills, chord patterns and sight reading. Practice outside of class required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.

Introduction to music reading on the keyboard.

CSU/UC

MUS 162

Class Piano II

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 161

Group instruction for those possessing basic piano skills, but still classified as beginners. Emphasizes note reading, keyboard technique, chord patterns, and sightreading. Daily practice required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.

CSU/UC

MUS 163

Class Piano III

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 162

Instruction for students who have completed two semesters of piano and are ready for the intermediate level. Emphasizes building technique, sight reading, and performance. Daily practice required. Practice pianos available on campus.

CSU/UC

MUS 164A

Intermediate Piano Repertoire I

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 163

Instruction for intermediate level students. Emphasizes solo material, technique, sight reading, interpretation, and performance. Daily practice required. Practice pianos available on campus.

CSU/UC

MUS 164B

Intermediate Piano Repertoire II

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 164A

Continuation of instruction for advanced intermediate level students. Emphasizes solo material, technique, sight reading, and performance. Daily practice required. Practice pianos available on campus.

CSU/UC

MUS 168

Stylistic Interpretation of Piano Repertoire

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 163

Style characteristics of Baroque, Classical, Romantic and 20th/21st century music studied through representative piano compositions. Students learn to play expressively within currently accepted performance practices for each period. Not for beginners.

CSU/UC

MUS 169

Harmonization at the Keyboard

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: MUS 161 Beginning level playing experience on the piano.

Beginning keyboard harmonization skills. Includes playing by ear and learning accompaniment patterns in several styles from simple chord progressions.

CSU/UC

MUS 171 (C-ID MUS 180)

Concert Band

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Study and rehearsal of band music for concert performances on campus and in the community. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.

CSU/UC

MUS 173

Beginning Rhythms in Percussion and Drums

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

The introduction of snare drum and drum set in a class situation. Designed to teach the basics of percussion and drum set performance for the beginning student. Emphasis on rhythmic reading, rudimental techniques, and basic drum set coordination various styles.

CSU/UC

MUS 175 (C-ID MUS 180)

Jazz Ensemble

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Study, rehearsal, and performance of contemporary jazz/rock music for the jazz ensemble with help in developing techniques of improvisation. Each semester requires performance of new and different jazz repertoire. Designed for students with basic performance skills.

CSU/UC

MUS 176

Jazz Band

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Advanced study, rehearsal, and performance of standard and contemporary jazz literature. Includes advanced techniques in improvisation. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.

CSU/UC

MUS 178

Mariachi

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Mixed ensemble for the study, rehearsal, and performance of Mariachi repertoire with an emphasis on the music from Jalisco. Each semester requires the performance of different repertoire. Designed for students who have basic performance skills. May be repeated three times.

CSU/UC

MUS 180A

String Methods

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Beginning instruction on violin, viola, cello, or string bass.

Fundamental skills developed through in-class rehearsal and performance of technical exercises and beginning orchestral repertoire.

CSU/UC

MUS 180B

Intermediate String Methods

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 180A

Intermediate instruction on violin, viola, cello, or string bass. Skills developed through in-class rehearsal and performance of intermediate technical exercises and orchestral repertoire.

CSU/UC

MUS 180C

Advanced String Methods

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 180B

Advanced instruction on violin, viola, cello, or string bass. Skills developed through in-class rehearsal and performance of advanced technical exercises and orchestral repertoire.

CSU/UC

MUS 181 (C-ID MUS 180)

Chamber Orchestra

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Rehearsal and performance of standard repertoire for chamber orchestra. Each semester requires the performance of a variety of different repertoire. Designed for students who have basic performance skills.

CSU/UC

MUS 185

Beginning Classical Guitar

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Guitar playing techniques of right hand and left hand fingers.

Development of correct finger usage. Basic instruction in reading staff notation and relating staff notation to practical playing of solo and ensemble repertoire. Student must furnish nylon string guitar.

CSU/UC

MUS 186

Intermediate Classical Guitar

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 185

Instruction at the intermediate level in solo, duo, and trio repertoire. Emphasizes technique studies and performance styles of 18th-21st century music. Student must provide nylon string guitar.

CSU/UC

MUS 187

Advanced Classical Guitar

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 186

Instruction at the advanced level in solo, duo, and trio repertoire. Emphasizes advanced technical studies and etudes and performance styles of 16th-21st century music. Student must provide nylon string guitar.

CSU/UC

MUS 188

Advanced Classical Guitar Technique and Repertoire

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 187

Study of advanced guitar technique, solo literature, and performance practices of 16th-21st Century music. Student must provide nylon string guitar.

CSU/UC

MUS 189

Guitar Ensemble

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Rehearsal and performance of standard and current repertoire for guitar ensemble. Each semester requires the performance of a variety of different repertoire. Designed for students who can read notes in first position.

CSU/UC

MUS 190

Introduction to ProTools

Unit(s): 1.500 Class Hours: 18.000 Lecture total, 27.000 Lab total.

Fundamental features and applications of ProTools audio software used in post-production for television, film and music. Orientation to functions, user interface and actual operation of digital audio workstation. Techniques and aesthetics associated with creation of well-mixed soundtracks are addressed. Hands-on practice with digital recording and editing of soundtracks.

CSU

MUS 198

Topics

Unit(s): 0.500

Topics of special interest offered to meet the interests and needs of students of music.

CSU

MUS 213 (C-ID MUS 140)

Music Theory III

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 112

Continuation of diatonic harmony from Music 112. Chromatic harmony introduced. Includes non-dominant seventh chords, secondary dominants, modulation, and altered chords. Keyboard harmony. Concurrent enrollment in Music 114A recommended. Required for music majors; open to non-majors.

CSU/UC

MUS 214 (C-ID MUS 150)

Music Theory IV

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 213

Continuation of Music 213. Late 19th century harmonic technique, and important aspects of 20th-21st century styles. Analysis and writing of short, compositions. Keyboard harmony. Concurrent enrollment in Music 114B recommended. Required for music majors; open to non-majors.

CSU/UC

MUS 215A

Applied Music (Advanced Private Instruction)

Unit(s): 1.500 Class Hours: 92.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 115D and audition and concurrent enrollment in a music ensemble or music theory course.

Advanced lessons in classical music in voice, piano, band/ orchestral instrument, or guitar. Weekly requirements include five hours on-campus practice per week, weekly lessons, and weekly recital attendance.

CSU/UC

MUS 216

Advanced Harmony and Composition I

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 214

Extension of harmonic studies of Music 213 and 214 into complete small compositions. Emphasizes learning to write effectively for the piano. Introduction to simple contrapuntal techniques and how to combine words with music.

CSU/UC

MUS 217

Advanced Harmony and Composition II

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 216

Extension of Music 213 and Music 214 harmonic studies into complete small compositions. Emphasizes development technique. Explores highly chromatic harmony, dissonance, and selected 20th and 21st century styles of musical composition.

CSU/UC

MUS 241

Chamber Music Ensemble

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Rehearsal and performance of music of various periods and styles for small instrumental, vocal, or combined ensembles. Each semester requires performance of new repertoire. Designed for students with previous performance experience. Audition required.

CSU/UC

MUS 245

Intermediate Jazz Improvisation and Performance Workshop

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 145

Performance and analysis of jazz standards and popular pieces in a practical workshop setting at an intermediate level. Elements of improvisation and ensemble playing are stressed. Open to all instrumentalists and vocalists.

CSU/UC

MUS 268

Intermediate Keyboard Repertoire

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 168

Style characteristics of Baroque, Classical, Romantic, and 20th century music studied through intermediate level piano compositions. Students learn to play expressively within currently accepted performance practices for each period.

CSU/UC

MUS 269

Intermediate Harmonization at the Keyboard

Unit(s): 1.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MUS 169

Intermediate keyboard harmonization skills. Includes playing by ear and learning accompaniment patterns in jazz, popular and classical styles using a variety of chord progressions.

CSU/UC

MUS 271 (C-ID MUS 180)

Symphonic Band

Unit(s): 1.000 Class Hours: 54.000 Lab total.

The rehearsal and performance of band music. Preparation of standard band repertoire for performances in the community. Each semester requires performance of a variety of new and different repertoire. Designed for students with intermediate or advanced performance skills.

CSU/UC

Nursing-Continuing Education (NCE)

NCE 145

Advanced Cardiac Life Support

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: NRN 271 NRN 271L

Examines principles of caring for patients experiencing cardiopulmonary emergencies. Includes arrhythmia recognition, psychomotor skills, and medications used to manage cardiac arrest. Current BLS card and fee required. Must contact Health Science Skills Lab at (714) 546-6869 for paperwork BEFORE registration. Grade: Pass/No Pass Only. (Pass/No Pass Only)

CSU

Nursing-Registered (NRN)

NRN 098

Topics

Unit(s): 0.500-3.000 Class Hours: 9.000-54.000 Lecture total.

Courses on a variety of contemporary topics will be offered to meet the interests and needs of students in the Nursing area. Not offered every semester.

NRN 105

Work Experience - Nursing

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: NRN 271L or NRN 272L

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes, and skills in a field related to the students' major, to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

NRN 106A

Health Science Skills Laboratory- First Semester

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Enrollment in the Registered Nursing Program or any NCE courses, or being an RN Re-entry student.

Supervised use with supplemental learning assistance of the skills lab to assist the student in the development of clinical competency of nursing fundamentals and mastery of fundamental psychomotor skills content addressed in courses NRN 171, and NRN 171L. Open entry/open exit. Pass/No Pass (Pass/No Pass Only)

CSU

NRN 106B

Health Science Skills Laboratory- Second Semester

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Enrollment in the Registered Nursing Program or any NCE courses, or being an RN Re-entry student.

Supervised use with supplemental learning assistance of skills lab to assist the student in development of clinical competency of nursing concepts pertaining to maternal-child health and mastery of psychomotor skills related to maternal-child biological and psychosocial needs addressed in courses NRN 172, and NRN 172L. Open entry/open exit. Pass/No Pass. (Pass/No Pass Only)

CSU

NRN 106C

Health Science Skills Laboratory- First Year Refresher

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Enrollment in the Registered Nursing Program or any NCE courses, or being an RN Re-entry student.

Supervised use with supplemental learning assistance of skills lab to assist the re-entry student or EMT student in the expansion of clinical competency of principles of nursing and mastery of basic to intermediate pyschomotor skills content addressed in courses NRN 171, NRN 171L, NRN 172, NRN 172L, EMT 104 or EMT 105.

Open entry/open exit. Pass/No Pass. (Pass/No Pass Only)

CSU

NRN 170

Pharmacological Concepts of Nursing

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 239 and BIOL 249 and BIOL 139 or BIOL 229 and ENGL C1000 or ENGL C1000H

This pharmacology course introduces the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain related to pharmacology including: fluid and electrolyte balance, metabolism, central nervous system, cellular regulation, oxygenation, perfusion, inflammation, infection, comfort, stress and coping, mood & affect, cognition, safety & infection control, communication, professional behavior, diversity, health promotion, healthcare systems, clinical reasoning/judgment, and ethics. Further emphasis is placed on drug classifications and application of the nursing process to drug administration. Upon completion, students should be able to identify safe nursing care incorporating the concepts discussed in this course.

CSU

NRN 171

Principles of Nursing Practice and Simple Concepts

Unit(s): 4.500 Class Hours: 81.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 239 and BIOL 249 and or BIOL 229 and ENGL C1000 or ENGL C1000H and

Corequisite: Concurrent enrollment in: NRN 170

This course introduces and develops the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: elimination, metabolism, fluid and electrolyte balance, perfusion, inflammation, infection, mobility, cognition, oxygenation, tissue integrity, comfort, emergencies, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, healthcare system, and ethics. Upon completion, students should be able to identify and explain safe nursing care incorporating the concepts discussed in this course.

CSU

NRN 171L

Principles of Nursing Practice and Simple Concepts Lab

Unit(s): 4.500 Class Hours: 243.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 239 and BIOL 249 and BIOL 139 or BIOL 229 and ENGL C1000 or ENGL C1000H and

Corequisite: Concurrent enrollment in: NRN 171 and NRN 170 This clinical course applies the concepts of NRN 171 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: elimination, metabolism, fluid and electrolyte balance, perfusion, inflammation, infection, mobility, cognition, oxygenation, tissue integrity, comfort, emergencies, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, healthcare system, ethics, and clinical competency. (Pass/No Pass Only)

CSU

NRN 172

Family Health and Illness Concepts

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: NRN 170 With a minimum grade of pass and NRN 171 With a minimum grade of Pass and NRN 171L With a minimum grade of Pass and

Corequisite: Concurrent enrollment in: NRN 172L

This course describes and relates the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including:physical growth and development, psychosocial development, cognitive development, metabolism, cellular regulation, perfusion, reproduction, infection, comfort, emergencies, oxygenation, inflammation, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, and ethics. Upon completion, students should be able to differentiate safe nursing care incorporating the concepts discussed in this Family Health and Illness Concepts course.

CSU

NRN 172L

Family Health and Illness Concepts Lab

Unit(s): 4.500 Class Hours: 243.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: NRN 170 With a grade of Pass. and NRN 171 With a grade of Pass. and NRN 171L With a grade of Pass. and Corequisite: Concurrent enrollment in: NRN 172

This clinical course applies the concepts of NRN 172 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including:physical growth and development, psychosocial development, cognitive development, metabolism, cellular regulation, perfusion, reproduction, infection, comfort, emergencies, oxygenation, inflammation, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, and ethics. Upon completion, students should be able to differentiate safe nursing care incorporating the concepts discussed in this Family Health and Illness Concepts Lab.

CSU

NRN 198

Topics

Unit(s): 0.500-3.000 Class Hours: 9.000-54.000 Lecture total.

Courses on a variety of contemporary topics will be offered to meet the interests and needs of students in the nursing area. Not offered every semester.

CSU

NRN 199

Independent Study

Unit(s): 1.000-3.000 Class Hours: 18.000-54.000 Lecture total.

Independent study allows students to pursue projects under faculty advisement and supervision. The project may be directed field experience, research, or development of skills and competencies. The proposed project must be approved by a nursing faculty, the Associate Dean of Health Sciences and the Vice President of Academic Affairs prior to registration.

CSU

NRN 200

Role Transition

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Corequisite: Concurrent enrollment in: Co Requisite: Acceptance into the Nursing Program.

Bridge course for LVN or transfer students with an emphasis on RN role development and application of the nursing process within the Santa Ana College Nursing Conceptual Framework. Review of test-taking strategies, medication calculations, communication techniques, concept mapping, outcomes assessment, fluid balance, and skills testing. Open to all nursing students; required of advanced placement/LVN students entering into the nursing program in any semester other than first semester.

CSU

NRN 206A

Health Science Skills Laboratory- Third Semester

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Enrollment in the Registered Nursing Program or any NCE courses, or being an RN Re-entry student. Supervised use with supplemental learning assistance of skills lab to assist the student in development of clinical competency of mental health nursing and mastery of psychomotor skills content addressed in courses NRN 271, and NRN 271L. Open entry/open exit. Pass/No Pass (Pass/No Pass Only)

CSU

NRN 206B

Health Science Skills Laboratory- Fourth Semester

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Enrollment in the Registered Nursing Program or any NCE courses, or being an RN Re-entry student.

Supervised use with supplemental learning assistance of skills lab to assist the student in development of clinical competency of advanced medical/surgical nursing concepts and mastery of advanced medical/surgical psychomotor skills content addressed in courses NRN 272, and NRN 272L. Open entry/open exit. Pass/ No Pass. (Pass/No Pass Only)

CSU

NRN 206C

Health Science Skills Laboratory- Second Year Transition

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Enrollment in the Registered Nursing Program or any NCE courses, or being an RN Re-entry student. Supervised use with supplemental learning assistance of skills lab to assist the RN refresher, advanced placed nursing student, or EMT student in the development and maintenance of clinical competency of nursing theoretical knowledge and mastery of advanced psychomotor skills content necessary for the transition into clinical practice as addressed in courses NRN 271, NRN 271L, NRN 272, and NRN 272L; EMT 104, or EMT 105. Open entry/open exit. Pass/No Pass. (Pass/No Pass Only)

CSU

NRN 271

Mental Health and Acute Concepts

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: NRN 172 With a passing grade of "C" or better and NRN 172L With a grade of Pass and

Corequisite: Concurrent enrollment in: NRN 271L

This course examines the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: metabolism, emergencies, stress & coping, mood & affect, cognition, addictive behavior, central nervous system regulation, cellular regulation, oxygenation, perfusion, inflammation, infection, mobility, comfort, safety & infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, health care system, and ethics. Upon completion, students should be able to analyze safe nursing care incorporating the concepts discussed in this course.

CSU

NRN 271L

Mental Health and Acute Concepts Lab

Unit(s): 4.500 Class Hours: 243.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: NRN 172 With a passing grade of "C" or better and NRN 172L With a grade of Pass and

Corequisite: Concurrent enrollment in: NRN 271

This clinical course applies the concepts of NRN 271 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: metabolism, emergencies, stress & coping, mood & affect, cognition, addictive behavior, central nervous system regulation, cellular regulation, oxygenation, perfusion, inflammation, infection, mobility, comfort, safety & infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, health care system, ethics and clinical competency. (Pass/No Pass Only)

CSU

NRN 272

Complex Concepts

Unit(s): 3.500 Class Hours: 63.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: NRN 271 With a passing grade of "C" or better and NRN 271L With a grade of Pass and

Corequisite: Concurrent enrollment in: NRN 272L

This course formulates the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: fluid and electrolyte balance, metabolism, central nervous system regulation, oxygenation, perfusion, tissue integrity, infection, mobility, comfort, emergencies, safety & infection control, diversity, health promotion, communication, professional behavior, clinical reasoning/judgment, health care system, and ethics. Upon completion, students should be able to synthesize safe nursing care incorporating the concepts discussed in this course.

CSU

NRN 272L

Complex Concepts and Preceptorship Lab

Unit(s): 4.500 Class Hours: 243.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: NRN 271 With at least a minimum passing grade of a "C" or better and NRN 271L With a grade of Pass and

Corequisite: Concurrent enrollment in: NRN 272

This clinical course applies the concepts of NRN 272 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: fluid and electrolyte balance, metabolism, central nervous system regulation, oxygenation, perfusion, tissue integrity, infection, mobility, comfort, emergencies, safety & infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, health care system, ethics, and clinical competency. Upon completion, students should be able to synthesize safe nursing care incorporating the concepts discussed in this course. (Pass/No Pass Only)

CSU

Nutrition and Food (NUTR)

NUTR 101

The Food System and Career Opportunities

Unit(s): 1.500 Class Hours: 27.000 Lecture total.

This course covers the global food system, sustainability, regulations, and career opportunities in dietetics, food science, and the food industry. It equips students with the required knowledge to prepare for their future careers by exploring employment trends, educational requirements, necessary skills, and ethics in these dynamic fields.

CSU

NUTR 110 (C-ID HOSP 110)

Food Safety and Sanitation

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Sanitation practices affecting individual operations. Prevention and control of foodborne illnesses through flow of food and HACCP management. Also includes study of worker safety. Same as Culinary Arts 110.

CSU

NUTR 112

Food Service Nutrition

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Principles of nutrition and their application to personal lifestyle and a professional kitchen through an analysis of marketing, food trends, menu design, and recipe modification.

CSU

NUTR 115 (C-ID NUTR 110)

Nutrition

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course examines the biological basis of human nutrition through the integration of biology, physiology, biochemistry, and microbiology. Using the scientific method, students analyze how nutrients are digested, absorbed, and metabolized, and evaluate the effects of deficiencies and excesses across the lifecycle.

Emphasis is placed on hypothesis testing, evidence-based reasoning, and the interdependency of the sciences to explain nutrition's role in health and disease. Topics include dietary standards, nutrient metabolism, food selection, physical activity, biotechnology, and issues of equity in food access.

CSU/UC

NUTR 115H (C-ID NUTR 110)

Honors Nutrition

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

This course examines the biological basis of human nutrition through the integration of biology, physiology, biochemistry, and microbiology. Using the scientific method, students analyze how nutrients are digested, absorbed, and metabolized, and evaluate the effects of deficiencies and excesses across the lifecycle.

Emphasis is placed on hypothesis testing, evidence-based reasoning, and the interdependency of the sciences to explain nutrition's role in health and disease. Topics include dietary standards, nutrient metabolism, food selection, physical activity, biotechnology, and issues of equity in food access. For honors students, the course provides a critical exploration of the molecular, cellular, and systemic mechanisms that underlie nutrition and disease, with a focus on experimental design, biological inquiry, and application of core concepts in the life sciences to human health.

CSU/UC

NUTR 116 (C-ID NUTR 120)

Principles of Food Preparation

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Application of scientific principles in the preparation of selected food products with emphasis on physical and chemical properties of food; methods and techniques of food preparation; factors that contribute to quality of prepared foods. Same as CULN 116.

CSU

NUTR 120

Food and Culture

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course examines the regional, ethnic, cultural, religious, historical, and social influences on food patterns, cuisines, and health, exploring how food serves as an expression of cultural diversity and identity. Students analyze traditional foods of diverse geographic regions, investigate global food issues, and evaluate the nutritional consequences of ethnic food choices, sanitation, and safety practices.

CSU/UC

NUTR 121

Sports Nutrition

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides an overview of the role of nutrition in sports and athletic performance. It focuses on energy and nutrient needs, determination of hydration status, sport-specific nutrient recommendations, body composition, and supplementation guidelines.

CSU/UC

Occupational Studies (OS)

OS 301

Therapeutic Approaches to the Older Adult

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Occupational Studies program.

This course will build upon the developmental concepts of aging to examine quality of life in older adulthood. The focus of this course will be on evaluating older adults from an occupational perspective and analyzing the skills needed to maintain independence and to successfully participate in meaningful activities throughout the older years.

OS 304

Movement Theory & Analysis

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Limitation on Enrollment: Student must be admitted to the Occupational Studies program.

Movement is a significant aspect of occupational performance. This course will focus on current theories of motor control and motor learning with an emphasis of how these theories can be applied to provide evidence-based practice to people with motor dysfunction.

OS 305

Advanced Pediatric Practice for the Occupational Therapy Assistant (OTA)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Limitation on enrollment: Student must be admitted to the Occupational Studies program.

This course will build upon developmental concepts relative to pediatric Occupational Therapy (OT) practice. The focus of this course will be to examine a variety of settings related to pediatric occupational therapy practice and provide OT treatment to pediatric clients in these settings.

OS 310

Community-Based Occupational Therapy Practice

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Limitation on enrollment: Student must be admitted to the Occupational Studies program.

This course will focus on the practice of Occupational Therapy (OT) in community-based settings. This will include an in-depth analysis of the history and growth of OT practice in the community. Students will analyze the role of OT in community settings with a variety of populations and develop a plan for a community based program.

OS 312

Advanced Practice Areas in Occupational Therapy (OT)

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Limitation on enrollment: Student must be admitted to the Occupational Studies program.

This course will provide a study of the advanced practice areas in occupational therapy. Advance practice areas in occupational therapy include: physical agent modalities (PAMs), hand therapy and feeding and swallowing. This class will focus on the theory and application of PAMs for the use in occupational therapy; the fundamentals of hand therapy including treatment guidelines in occupational therapy; and feeding and swallowing issues with the occupational therapy client.

OS 325

Applying Research to Occupational Therapy Intervention

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Limitation on enrollment: Student must be admitted to the Occupational Studies program.

The focus on this course is to utilize research in evidence-based practice of occupational therapy. This class will focus on obtaining evidence, evaluating research and utilizing qualitative research.

OS 402

Neurological Principles in Human Performance

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Limitation on Enrollment: Student must be admitted to the Occupational Studies program

This course will provide an in-depth study of the neurologic principles used in rehabilitation practice. This will focus on understanding the structures and function of the central and peripheral nervous systems and to the sequelae of injury to these systems. There will be an emphasis on cognitive, visual, and perceptual problems in adults with acquired brain injury. This course will also look at the role of the nervous system in various aspects of human behavior.

OS 403

Leadership for the Occupational Therapy Assistant (OTA)

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Limitation on enrollment: Student must be admitted to the Occupational Studies program.

This course will focus on leadership and the types of leadership that relate to the work of the OTA. Topics will include leadership, advocacy, promotion, supervision, fieldwork, ethical considerations, and participation in professional organizations.

OS 410

Healthcare Systems

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Limitation on Enrollment: Student must be admitted to the Occupational Studies program.

This course will cover the various healthcare systems that influence the practice of occupational therapy. Topics will include economics, types of insurance, healthcare policies, ongoing healthcare reform, and the role of technology. As a part of this course students will complete an independent, in-depth, study of one of the key practice areas in OT as identified by the American Occupational Therapy Association (AOTA).

OS 412

Capstone Seminar

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Limitation on Enrollment: Student must be admitted to the Occupational Studies program.

This Capstone Seminar is designed to demonstrate the student's accumulated training through the development of a project that reflects theory, advanced knowledge of practice, and innovation. Each student will complete a project that is individually mentored and demonstrates an increased level of self-direction.

Occupational Therapy Assistant (OTA)

OTA 100

Medical Terminology and Documentation for the Occupational Therapy Assistant (OTA)

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: BIOL 149 or BIOL 239 and BIOL 249 and Must be accepted into the Occupational Therapy Assistant program and have attended the mandatory OTA New Student Orientation.

This course will offer an introduction to basic medical terminology and documentation appropriate to practice needs of the occupational therapy assistant.

CSU

OTA 101

Foundations of Occupation and Occupational Therapy

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Must be accepted into the Occupational Therapy Assistant program and have attended the mandatory OTA New Student Orientation.

This course introduces, defines and explores occupation as it is used to provide the foundation for the study of occupational therapy. It further provides an overview of the history and development of the occupational therapy profession, and the dimensions of past and present practice.

CSU

OTA 101L

Exploration of Occupation Through Activity

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H and CMST 101 or CMST 101H or COMM C1000 or COMM C1000H or CMST 103 or CMST

103H or CMST 140 or CMST 145 Must be accepted into the Occupational Therapy Assistant program and have attended the mandatory OTA New Student Orientation.

In this lab class, students will explore the meaning and variability of occupation through self-analysis of occupational patterns, perform task analysis of varied activities, and have the opportunity to observe and practice teaching and learning skills.

CSU

OTA 102

Psychosocial Function and Dysfunction

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 100 and OTA 101 and OTA 101L and OTA 110

This course will define and explore psychosocial phenomena commonly seen by the Occupational Therapy Assistant and will examine evaluation techniques, functional deficits, and methods of treatment.

CSU

OTA 102L

Psychosocial Components of Occupation

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 100 and OTA 101 and OTA 101L and OTA 110

This course will explore the occupational therapy assistant's role in therapeutic relationships, in administering assessments used primarily in pediatric, adolescent, and adult psychosocial settings, and in therapeutic group design and facilitation.

CSU

OTA 103

Physical Function and Dysfunction

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 120 and OTA 102 and OTA 102L and OTA 115 and OTA 111

This course will focus on the occupational function of the child, adolescent, adult, and older adult which emphasizes the physical components of development, the continuum of function/ dysfunction of the client and the role of the occupational therapy assistant (OTA) in assessment and treatment of commonly seen physical dysfunction diagnosis.

CSU

OTA 103L

Physical Components of Occupation

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 120 and OTA 102 and OTA 102L and OTA 111 and OTA 115

This lab course explores the Occupational Therapy Assistant's role in safety, assessments and treatment techniques commonly used by occupational therapists in physical dysfunction settings.

CSU

OTA 110

Human Occupation Across the Lifespan

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Must be accepted into the Occupational Therapy Assistant program and have attended the mandatory OTA New Student Orientation.

This course will explore human occupation across the lifespan with an emphasis on the relationship between human development and occupational choice. Physical, cognitive, psychological, social, and linguistic developmental milestones, and changes will be covered from fetal development through late adulthood.

CSU

OTA 111

Applied Kinesiology

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 100 and OTA 101 and OTA 101L and OTA 110

This course will focus on understanding human movement as an integral component of occupational performance and will examine how kinesiology and biomechanics are utilized in treatment by the Occupational Therapy Assistant.

CSU

OTA 115

Human Disease and Occupation

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 100 and OTA 101 and OTA 101L and OTA 110

This class will explore diseases that are commonly seen in occupational therapy practice and the effect they have on participation in occupation. Each disease will be covered in terms of etiology, prognosis, prevention, pathophysiology, medical management, precautions, and lifestyle redesign required as a result of the disease.

CSU

OTA 120

Level I Fieldwork Part A

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 100 and OTA 101 and OTA 101L and OTA 110

The purpose of level I fieldwork is for the student to apply academic knowledge to OT practice. The student will develop their skills through directed observation and participation in a psychosocial setting or virtual standardized patient care. (Pass/No Pass Only)

CSU

OTA 125

Developing OTA Documentation Skills

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

The course is designed to improve the documentation skills of the occupational therapy assistant student through the use of lectures, standardized patients, and practice. Topics will include documentation formats and improving writing skills through the use of professional terminology, approved abbreviations, accurate levels of assistance and clinical reasoning. (Pass/No Pass Only)

CSU

OTA 130

Level I Fieldwork Part B

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 120 and OTA 111 and OTA 115 and OTA 102 and OTA 102L

The purpose of level I fieldwork is for the student to apply academic knowledge to OT practice. The student will develop their skills through directed observation and participation in a physical dysfunction setting or virtual standardized patient care. (Pass/No Pass Only)

CSU

OTA 135L

Occupational Therapy Assistant Skills Laboratory

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Enrollment in the Occupational Therapy Assistant Program or any OTA course.

Supervised use of the Occupational Therapy Assistant lab for supplemental learning assistance with the development of student clinical skill competencies with physical dysfunction techniques and content addressed in courses OTA 103, OTA 103L, and OTA 130. Open entry/open exit. Pass/No Pass. Lab hours verified by sign-in. (Pass/No Pass Only)

CSU

OTA 201

Contemporary Models of Occupational Therapy Practice

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 120 and OTA 102 and OTA 102L and OTA 111 and OTA 115

This lecture/lab course explores the multiple roles of the occupational therapy assistant in documentation, service management, professional behaviors, non-traditional roles, and contemporary models of practice.

CSU

OTA 202

Level II Fieldwork - Part I

Unit(s): 6.000 Class Hours: 360.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 130 and OTA 103 and OTA 103L and OTA 201

Supervised fieldwork experience in an occupational therapy practice setting that will provide the student appropriate opportunities to apply learned knowledge and skills. (Pass/No Pass Only)

CSU

OTA 203

Level II Fieldwork - Part II

Unit(s): 6.000 Class Hours: 360.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: OTA 103 and OTA 103L and OTA 201 and OTA 130

Supervised fieldwork experience in an occupational therapy practice setting that will provide the student appropriate opportunities to apply knowledge and skills learned in the classroom. (Pass/No Pass Only)

CSU

OTA 225

OTA Exam Preparation

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

The course is designed to supplement the preparation occupational therapy assistant students need when getting ready to take the National Board for Certification in Occupational Therapy. Students will practice interpreting and answering mock exam questions while assessing current knowledge and improving critical reasoning skills. (Pass/No Pass Only)

CSU

Paralegal (PARA)

PARA 100 (C-ID LPPS 110)

Law and Society

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Overview of the legal system including the courts, participants and various sources of law in the American legal system and how society is affected. Review of the legal and judicial process in the United States covering the adversarial system, jurisdiction of federal and state courts, and the general process of judicial review and how different segments of society are affected. Explanation of different sources of law including statutes, court cases and administrative agency rules. Review of basic legal reasoning and introductory legal research methods. Introduction to substantive areas of law and the effect the law has in various groups and individuals in our system. Review of the role and regulation of legal professionals, legal ethics and consumer protection laws, and their effect on providing legal services to various segments of society. (Same as Law 100.)

CSU/UC

PARA 101

Law Office Management

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Structure and procedures of the law office. Emphasis on time management, the role of paralegals and paralegal administrators in the law office, ethics in the law office, client property regulations, time keeping and billing, and technology management in a law office.

CSU

PARA 105

Work Experience - CLIRRC

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students that are participating in the Community Legal Information Resource and Referral Clinic (CLIRRC) to acquire desirable work habits, attitudes and skills in a field related to the students' major to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience.

CSU

PARA 107 (C-ID AJ 122)

Principles and Procedures in the Criminal Justice System

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal, utilizing statutory law and state and constitutional law precedents. (Same as Criminal Justice 107)

CSU

PARA 117

Global Commerce and Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides a comprehensive overview of global commerce, focusing on the creation and management of international business contracts, financial mechanisms, and the regulatory frameworks that govern international distribution. Students will learn about international limited liability companies, foreign direct investment, and how global trade agreements such as NAFTA/USMCA, GATT, and the EU affect businesses. The course also explores management in varying legal environments and U.S. export regulations. Emphasis will be placed on using the U.N. Convention on Contracts for the International Sale of Goods and managing cross-border transactions. Through this course, students will gain insight into how countries cooperate to form global markets and regulate international trade. (Same as BUS 117 Global Commerce and Management).

CSU

PARA 120

Computers in the Law Office

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Exploration of technology utilized in a legal service office environment. Study of legal focused software and applications.

CSU

PARA 121 (C-ID LPPS 120)

Legal Ethical Reasoning

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides an introduction to concepts and theories of ethical decision-making, moral conduct, obligation and permission, justice, responsibility, as applied to the Legal Profession. The course will explore the application of the California Rules of Professional Conduct as applied to the legal profession and society in general. (Same as LAW 121).

CSU/UC

PARA 122

Advanced Life Planning

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is intended to prepare the student to assist an attorney in a probate, estate planning and or elder law practice. The course is intended to provide the student with the skill set and knowledge base to assist in the preparation of wills, trusts, estate planning documentation, probate documents, charitable trusts, guardianships, conservatorships, family law issues as related to elder law, age discrimination, elder abuse and termination of life planning.

CSU

PARA 131

Advanced ADR Practice

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Study of the practical aspects of the Paralegal's role in assisting an attorney in Alternative Dispute Resolution.

CSU

PARA 132

Family Law and Procedure

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Study of basic substantive law and procedures in family law. Court procedures for divorce, annulment, temporary and permanent support, restraining orders, division of community property, and child custody procedures including adoption and paternity actions.

CSU

PARA 133

Workers Compensation Law and Procedure

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Study of the laws and procedures related to worker's compensation. Covers medical-legal problems attendant to on- the-job injuries, disabilities and benefits due employees, court litigation, administrative hearings, and out-of-court processes.

CSU

PARA 134

Estate Planning and Administration

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Probate and estate planning procedures. Study of the Paralegal's role in drafting estate planning and administration documents, assisting attorneys in administration of estates, and monitoring asset and fiduciary accountings. Study of basic estate planning, probate laws, wills, trusts, and taxes.

CSU

PARA 135

Bankruptcy Law and Procedure

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Federal bankruptcy act and court procedures for the paralegal, the functions of the bankruptcy trustee, and a detailed examination of the process of being declared a bankrupt. May require a field trip.

CSU

PARA 136

Landlord Tenant Law and Procedure

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

A study of the laws and procedures of landlord and tenant law including eviction, unlawful detainee and rental agreements. A study of the role of a paralegal in a law practice that specializes in landlord/tenant relationships.

CSU

PARA 138

Law of Business Organizations

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Laws of the California Corporations Code. Students prepare articles of incorporation, minutes, by-laws, stock, and stock transfer. Agency law and partnership laws. Students will understand compliance regulations.

CSU

PARA 139

Fundamentals of Labor Law

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

An introduction to labor law and the judicial system. The course will examine major areas of labor law including the complaint, conference, hearings and appeals.

CSU

PARA 140

Immigration Law and Procedure

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Basic study of Immigration Law in the United States, with focus on preparation of those forms used by immigrants to secure benefits. Computerized preparation of forms and procedures for filing with INS will be emphasized. Marketing procedures for paralegals involved in Immigration Law will be analyzed, and ethical considerations to avoid the illegal practice of law will be covered.

CSU

PARA 144

Introduction to eDiscovery

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Focus on the discovery phase of litigation with specific instruction on eDiscovery. The study of the California Rules of Court, California Statutes and procedures for e-filing and eDiscovery regulations regarding the retention and production of electronic data in a civil litigation case. Practical applications for paralegals.

CSU

PARA 145

Civil Litigation Overview

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Overview of California procedures from acceptance of a case through trial. Planning litigation, motions, discovery, and trial preparation. Preparation of pleadings. Overview of California discovery rules, preparation of discovery documents, and responses.

CSU

PARA 146

Tort Law and Alternative Dispute Resolution

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Learn about the different types of Torts including: intentional torts, negligence, strict liability, product liability, damages, immunity, and defenses to torts. Learn how to apply principles of insurance law and procedures for the investigation of personal injury cases. Students will review the principles of dispute resolution through negotiation, mediation, and arbitration.

Students will mediate impartially and use tools to maximize negotiation effectiveness. The course includes application of mediation skills in the law office.

CSU

PARA 150

Legal Transactions

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Introduction to contracts and drafting legal documents for corporations and real estate transactions. Topics include: contract formation, performance, breach, and third party interests.

Students will learn the laws of the California Corporations Code and the laws governing real estate transactions. Learn how to draft various contracts and other documents and select, edit, and customize formbook and computerized forms in real property, corporations, family law, and estate planning.

CSU

PARA 205 (C-ID HOSP 150)

Hospitality Law

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The course provides students with the U.S. Legal System's fundamental knowledge to help minimize potential liability and lawsuits in the Hospitality Industry. (Same as CULN 205)

CSU

PARA 246

Legal Research and Analysis

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Principles of legal research, legal analysis, and techniques for the Paralegal to assist an attorney in the delivery of legal services to their client.

CSU

PARA 248

Advanced Research and Writing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PARA 246

Advanced projects in legal research and writing with an emphasis on legal structure and style. Students must pass Para 246 with a C or better prior to taking Para 248.

CSU

PARA 297

The Professional Paralegal

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This is the capstone class to the Paralegal associate degree and certificate. Students will demonstrate their knowledge of ethics, legal principles, and the technical skills necessary for entry level employment as a paralegal. This course is to be taken in the semester of or prior to graduation. This course will include preparation of graduation petitions, professional resumes and a professional portfolio that will include work prepared in PARA 101, PARA 121, PARA 120, PARA 145 and PARA 150. Students will be required to certify they are in the second to last or last semester prior to graduation. (Pass/No Pass Only)

CSU

PARA 299

Work Experience - Paralegal

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits,

attitudes and skills in a field related to the students' major so as to enable them to become productive employees in the paralegal profession. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253.

Students may earn a maximum of 14 units of credit for work experience (Pass/No Pass Only)

CSU

PARA 310

Courtroom & Litigation Technology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies Baccalaureate program.

This class will provide an understanding of the skills, workflows, and techniques necessary to plan and present exhibits at a trial, arbitration, and other hearings using trial presentation tools and strategies. Students will practice assisting attorneys at trial.

PARA 320

Advanced Technology in the Law Office

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies Baccalaureate program.

The use of legal and other technology in litigation support, case management applications and discovery will be understood by students in this class. Students will engage in various activities where technology solutions for the law office which are: ethical, reliable, and comport with best practices in the legal industry, are tested and evaluated.

PARA 321

Advanced Legal Ethics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies Baccalaureate program.

This course explores the ethical duties of lawyers and paralegals in client representation, focusing on the regulatory role of the State Bar of California. Topics include the supervision of nonlawyer staff, law office procedures for client funds, IOLTA programs, the impact of technology on confidentiality, and ethical considerations in ADR, non-profit, government, and criminal law practices.

PARA 330

Legal Project Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies baccalaureate program.

This course focuses on litigation support roles within the framework of legal project management, emphasizing the implementation of attorney-directed strategies in increasingly complex environments, particularly those involving electronically stored information. Students will explore project management techniques for contracting with outside vendors and professionals, while effectively managing processes among law firms, clients, and vendors in a collaborative manner. Through this class, students will develop the skills necessary to successfully manage legal projects, ensuring alignment with shared goals and efficient workflow.

PARA 345

Advanced Civil Litigation

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies Baccalaureate program.

This comprehensive class will cover civil procedure before, during and after trial, civil discovery, attorney fee awards, damages, and appellate practice. Additional topics to be covered will include summary judgments, depositions, expert witnesses, discovery motions, service of process, subpoenas, statutory deadlines, and writs of attachment. Upon completion, paralegal students will have the skills to work under an attorney's supervision to support a thriving litigation practice in California.

PARA 348

Advanced Legal Research, Analysis, and Writing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies baccalaureate program.

In this advanced legal research and writing course, students will explore sophisticated research techniques and strategies utilizing industry-standard electronic databases. Students will engage in substantive legal analysis, applying current law to various factual scenarios through comprehensive writing exercises. The course will emphasize effective strategies for formulating legal research queries, enabling students to conduct thorough and efficient legal research using electronic resources, databases, and technology.

PARA 350

Contract Management & Corporate Documents

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies baccalaureate program.

Discover the role of a paralegal in contract drafting, lifecycle management, and negotiations. Paralegal students will differentiate roles between legal and business interests, compare risk and analyze proposals, and design agreements for attorney review. Students will leave this course having evaluated and utilized the available practice guides for contract drafting, including computer applications.

PARA 370

Administrative Law and Regulatory Compliance

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies baccalaureate program.

Examination of administrative law and regulation, focusing on procedure at both the state and federal levels. Students will gain a comprehensive understanding of the Administrative Procedure Act governing various agencies, including Security and Exchange Commission, Veterans Affairs, the Social Security Administration (SSA), Workers Compensation, Immigration, Public Utilities, Education, and more. Through the exploration of administrative regulation, creation, and compliance in diverse industries, students will develop the expertise needed to navigate and excel in administrative law practice. Emphasis on the unique role of Paralegals in administrative proceedings.

PARA 399

Advanced Work Experience - Paralegal

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

Prerequisite: Student must be admitted to the Paralegal Studies baccalaureate program.

This work experience course of supervised employment allows students to gain practical experience, develop knowledge, and apply higher level paralegal skills in a professional setting.

Students will develop objectives with instructor and participate in career-related paid or unpaid assignments in private or public agencies or law offices. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

PARA 401

Advanced Law Office Procedure, Transactions, and Forms

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies baccalaureate program.

Overview of advanced law office procedures, to include: client intake procedures, appropriate selection and use of judicial council forms (including family law, probate, and unlawful detainer), subpoenas and warrants, consumer notices, HIPAA, settlement and demand letters as well as complex calendar rules. Students will develop a comprehensive understanding of these advanced procedures and their application within a law office.

PARA 407

Advanced Criminal Procedure

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies baccalaureate program.

This advanced course will allow students to understand the day-to-day practice realities in a criminal law office through the variety of responsibilities a paralegal would undertake in a busy criminal defense or prosecutors' office. Students will demonstrate their understanding of procedures during a criminal prosecution including arrest & booking; charging instruments; arraignments; bail/bond; pre-trial services reports and supervision; discovery; pretrial motions and hearings; plea agreements; trial; sentencing guidelines, post-sentence supervised release, probation, and parole. Students will evaluate in-custody and out-of-custody filings as well as appraising appropriate court communications and mandatory timelines.

PARA 497

Advanced Paralegal Capstone

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Student must be admitted to the Paralegal Studies baccalaureate program.

This capstone course is designed to integrate all prior course work with real-world experience and case studies. The course includes preparation of a senior portfolio in which the student demonstrates the application of paralegal skills in a practical setting through writing samples and case analyses, showcasing their competencies in various areas of law. Additionally, the course will provide focused preparation for the NALA certification exam.

PARA 499

Advanced Work Experience - CLIRRC

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

Prerequisite: Student must be admitted to the Paralegal Studies baccalaureate program.

This work experience course of supervised employment is designed to assist students that are participating in the Community Legal Information Resource and Referral Clinic (CLIRRC) to acquire desirable work habits, attitudes and skills in a field related to the students' major to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

Pharmacy Technology (PHAR)

PHAR 048

Introduction to Pharmacy Technology

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Overview of the SAC Pharmacy Technician training program. Definition of the roles and preview of the opportunities open to pharmacy technicians in various practice settings. Presentation of pharmaceutical dosage forms, the drug development process, and drug classification systems. Introduction to prescription labeling and to the law and ethics of pharmacy practice.

PHAR 051

Body Systems I

Unit(s): 3.500 Class Hours: 63.000 Lecture total.

Anatomy, physiology, pathology, and pharmacology of the musculoskeletal, respiratory, renal, and cardiovascular systems. Basic terminology, with emphasis on word analysis and construction, medical abbreviations, and lay terms. Trade/generic names and indications for each body system.

PHAR 052

Body Systems II

Unit(s): 3.500 Class Hours: 63.000 Lecture total.

Anatomy, physiology, pathology, and pharmacology of the integumentary, endocrine, gastrointestinal, and nervous systems. Basic terminology, with emphasis on word analysis and construction, medical abbreviations, and lay terms. Trade/generic drug names and indications for medications in each body system. Emphasis on top 200 drugs.

PHAR 055

Pharmacy Calculations

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course introduces students to calculations related to drug dosage and preparation of medications. Interconversion of units in the metric and common systems of measurement are included. There is emphasis on unit-cancellation for solving pharmacy situation problems.

PHAR 056

Pharmacy Operations

Unit(s): 4.500 Class Hours: 54.000 Lecture total, 90.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHAR 048 and PHAR 051 or PHAR 052 and PHAR 055 and Typing proficiency minimum of 30 wpm 95% accuracy

Hands-on training in customer service, inventory control, compounding, packaging, record-keeping, and drug distribution in the outpatient pharmacy setting. Includes prescription lab simulations and use of computers.

PHAR 056L

Pharmacy Technology Skills Lab

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Corequisite: Concurrent enrollment in: PHAR 056

Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Pharmacy Operations lab class.

Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills lab class also allows students with significant time lapsed from program attendance to prepare for externship or job placements. Significant time lapsed is defined as 1 year by departmental policy in compliance with the American Society of Health-System Pharmacists' re-accreditation body. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree. (Pass/No Pass Only)

PHAR 057

Inpatient Pharmacy Services

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHAR 048 and PHAR 051 or PHAR 052 and PHAR 055 and

Prerequisite: typing proficiency of 30 WPM with 95% accuracy

Technical aspects of drug distribution for the inpatient (hospital) pharmacy setting. Hands-on training in medication order processing, pharmacy patient profile maintenance, medication preparation (includes packaging), and inpatient drug distribution using manual and automated systems. Includes electronic and manual record-keeping, pharmacy law, and CQI. Hands-on training in medication reconciliation in the emergency room setting. Develop and enhance communication and patient- interviewing skills through various communication methods.

PHAR 057L

Pharmacy Technology Skills Lab

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total

Corequisite: Concurrent enrollment in: PHAR 057

Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Inpatient Pharmacy Services lab class (PHAR 057). Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills lab class also allows students with significant time lapsed from program attendance to prepare for externship or job placements. Significant time lapsed is defined as 1 year by departmental policy, in compliance with the American Society of Health-System Pharmacists' re-accreditation body. Lab hours are verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree. (Pass/No Pass Only)

PHAR 060

Sterile Products

Unit(s): 4.500 Class Hours: 54.000 Lecture total, 90.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHAR 048 and PHAR 051 or PHAR 052 and PHAR 055 and 30 wpm typing

Application of aseptic techniques and use of the laminar flow hood in the preparation of sterile products in accordance to USP 797. Emphasis on parenteral calculations, sterile dosage forms, and quality assurance procedures. Includes the pharmacology of antimicrobial and antineoplastic drugs.

PHAR 060L

Pharmacy Technology Skills Lab

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Corequisite: Concurrent enrollment in: PHAR 060

Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Sterile Products lab class (PHAR 060). Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills lab class also allows students with significant time lapsed from program attendance to prepare for externship or job placements. Significant time lapsed is defined as 1 year by departmental policy in compliance with the American Society of Health-System Pharmacists' re-accreditation body.Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree. (Pass/No Pass Only)

PHAR 072A

Pharmacy Technology Externship Outpatient

Unit(s): 0.500-2.500 Class Hours: 27.000-140.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHAR 056 and background checks, health screenings, current TB clearance, and drug test clearance (at the students expense).

On-site training in the outpatient (retail) practice setting. Students must complete PHAR 056 lab class to qualify for the outpatient rotation. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests. Completion of the outpatient rotation PHAR 072A is required for the Basic Certificate. Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations (340 hours) is required for the advanced certificate and Associate Degree. (Pass/No Pass Only)

PHAR 072B

Pharmacy Technology Externship Inpatient

Unit(s): 0.500-1.500 Class Hours: 27.000-100.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHAR 056 and PHAR 057 and background checks, health screenings, current TB clearance, and drug test clearance (at the students expense).

On-site training in the inpatient (hospital) practice setting. Students must complete the following lab courses prior to placement: PHAR 057 and PHAR 056. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests.

Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations (320 hours) is required for the advanced certificate and Associate Degree. At the end of the rotation, the instructor will use the attendance records and competency forms as input from preceptors to assess the student learning outcomes and to help determine final grades. Students can refer to the course overview to understand the details of final grade assignments. (Pass/No Pass Only)

PHAR 072C

Pharmacy Technology Externship Sterile Products

Unit(s): 0.500-1.500 Class Hours: 27.000-100.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHAR 056L or PHAR 057L or PHAR 060L and PHAR 048 and PHAR 051 and PHAR 052 and PHAR 055 and PHAR 056 and PHAR 060 and PHAR 057 Background checks, health screenings, current TB clearance, and drug test clearance (at the students expense).

On-site training in the home infusion or sterile products pharmacy practice setting. Students must complete the following lab course prior to placement: PHAR 060. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests.

Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations(320 hours) is required for the advanced certificate and Associate Degree. At the end of the rotation, the instructor will use the attendance records and competency forms as input from preceptors to assess the student learning outcomes and to help determine final grades. Students can refer to the course overview to understand the details of final grade assignments. (Pass/No Pass Only)

PHAR 072L-1

Pharmacy Technology Skills Lab

Unit(s): 0.500-1.000 Class Hours: 27.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHAR 056 Returning students who took PHAR 056 can take PHAR 072L-1 alone

Corequisite: Concurrent enrollment in: PHAR 072A

Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Outpatient Pharmacy Technology Externship rotation (PHAR 072). Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills lab class also allows students with significant time lapsed from program attendance to prepare for externship or job placements. Significant time lapsed is defined as 1 year by departmental policy in compliance with the American Society of Health-System Pharmacists' re-accreditation body. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree. (Pass/No Pass Only)

PHAR 072L-2

Pharmacy Technology Skills Lab

Unit(s): 0.100-1.000 Class Hours: 6.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHAR 057

Corequisite: Concurrent enrollment in: PHAR 072B Returning students who took PHAR 057 can take PHAR 072L-2 alone.

Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Inpatient Pharmacy Technology Externship rotation (PHAR 072). Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills Lab class also allows students with significant time lapsed from program attendance to prepare for externship or job placements. Significant time lapsed is defined as 1 year by departmental policy in compliance with the American Society of Health-System Pharmacists' re-accreditation body. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree. (Pass/No Pass Only)

PHAR 072L-3

Pharmacy Technology Skills Lab

Unit(s): 0.100-1.000 Class Hours: 6.000-54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHAR 060 Returning students who took PHAR 060 can take PHAR 072L-3 alone.

Corequisite: Concurrent enrollment in: PHAR 072C

Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Pharmacy Externship Sterile Products rotation (PHAR 072). Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills lab class also allows students with significant time lapsed from program attendance to prepare for externship or job placements. Significant time lapsed is defined as 1 year by departmental policy in compliance with the American Society of Health-System Pharmacists' re-accreditation body. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree. (Pass/No Pass Only)

Philosophy (PHIL)

PHIL 106 (C-ID PHIL 100)

Introduction to Philosophy

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A survey of historical and contemporary ideas on how to live the good life.

CSU/UC

PHIL 106H (C-ID PHIL 100)

Honors Introduction to Philosophy

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

An enriched approach designed for honors students. A survey of historical and contemporary ideas on how to live the good life.

CSU/UC

PHIL 108 (C-ID PHIL 120)

Ethics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to key historical and modern theories of philosophical ethics and the application of these theories to ethical issues facing society today. Assists in clarifying our

thinking about morality/ethics. Course increases awareness of values in personal and contemporary issues.

CSU/UC

PHIL 110

Critical Thinking

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

College-level critical thinking and writing. Promotes self- awareness, independent thinking, and improved academic expression. Examines philosophical methods of reasoning and composition, and the uses of informal logic and criticism in personal life, college, work, and democratic society.

CSU/UC

PHIL 110H

Honors Critical Thinking

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: ENGL C1000 or ENGL C1000H

An enriched approach designed for honors students in a seminar setting. College-level critical thinking and writing. Promotes self- awareness, independent thinking, and improved academic expression. Examines philosophical methods of reasoning and composition, and the uses of informal logic and criticism in personal life, college, work, and democratic society.

CSU/UC

PHIL 111 (C-ID PHIL 110)

Introductory Logic

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Beginning course in formal and applied logic. Covers cognitive language, formal argument, proof, basic propositional and predicate logic, and philosophy of logic. Emphasizes active student involvement and practical application to college life.

CSU/UC

PHIL 112

World Religions

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A philosophical overview of the world's great religions. Includes historical origin and growth of each religion, major doctrines, and influence. Religions dealt with include Indigenous Religions, Hinduism, Jainism, Buddhism, Taoism, Confucianism, Judaism, Christianity and Islam.

CSU/UC

PHIL 118

History of Philosophy

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to philosophy from an historical perspective: getting acquainted with the thoughts of the world's great philosophers. Provides a survey of the dominant philosophies of the ancient, medieval, and modern worlds.

CSU/UC

Photography (PHOT)

PHOT 009

Photography Lab

Unit(s): 0.500 Class Hours: 27.000 Lab total.

Corequisite: Concurrent enrollment in: another photography course

Sign-in/out supervised laboratory. Work on assignments from other photography courses or on independent projects.

Completion of new and more advanced assignments each semester. Accumulation of 24 hours earns 0.5 unit. Requires concurrent enrollment in a photography course. (Pass/No Pass Only)

PHOT 150

History of Photography

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A survey of the history, aesthetics, and technical evolution of photography including an in-depth view of artistic styles and individual photographers' contributions from the 19th century to the present.

CSU/UC

PHOT 160 (C-ID JOUR 160)

Introduction to Photojournalism

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Explores the photographer as a journalist, focusing on theory and practice in press and publications photography, with emphasis on using the camera as a reporting and communications tool.

Stresses news, feature photography, and photographic essays, including composition, impact, and creativity, for newspapers, magazines, internet, and other mass communications media. (Same as JAMS 160).

CSU/UC

PHOT 180

Beginning Photography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

This course provides a firm foundation in digital photography using manual exposure functions on digital single lens reflex and mirrorless cameras. Professional editing techniques and inkjet printing will be taught according to industry standards.

CSU/UC

PHOT 185A

Landscape Photography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHOT 180

This course concentrates on landscape photography using available light and industry-level camera techniques. Students will learn to control image quality from camera to computer to printer in a variety of outdoor settings to document manmade and natural environments.

CSU

PHOT 185B

Intermediate Landscape Photography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHOT 185A

This course concentrates on contemporary landscape photography using advanced industry-level camera and editing techniques alongside creative processes. Students build on skills from PHOT 185A to craft a more robust landscape photography practice and personally focused portfolio. Instruction in intentional usage of tripods, lenses, gimbals and different lens filters to increase image control options in documenting a variety of environments. Fine inkjet print production at larger sizes using professional paper types.

CSU

PHOT 191

Commercial Studio Business Practices

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHOT 180

Commercial Studio Business Practices instructs students in the industry-level techniques and business practices of commercial studio photographers. Emphasis will be on creating a refined, professional portfolio with a personal voice and an array of business and marketing materials in preparation for client-driven work.

CSU

PHOT 194

Digital Workflow

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHOT 180

This class provides a foundation for professionally selecting, capturing, organizing, processing and printing digital photography files with industry-level tools, from camera to computer to printer.

CSU

PHOT 196

Commercial Photography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHOT 180

This course covers lighting techniques and equipment commonly used by industry level commercial photographers to create client-driven work in a studio and on location. Students will practice different genres of commercial photography such as portrait and product to craft a portfolio communicating a personal vision.

Commercial photo editing software for tethering camera to computer will be taught.

CSU

PHOT 197

Intermediate Commercial Photography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHOT 196

Intermediate techniques in commercial photography using available and studio lighting. Further studies in the commercial subject areas of portrait/wedding, architecture, table top/product illustration, stock photography and photojournalism.

CSU

PHOT 291

Wedding and Quinceañera Photography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHOT 180

This course presents the fundamental concepts, industry-level equipment requirements, photographic techniques and business practices used by professional wedding, Quinceañera and event photographers. Students will learn to create and edit photographs that thoroughly describe the story of an event through candid and portrait photography coverage.

CSU

PHOT 292

Portrait Photography

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHOT 180

This course explores the essential components of portrait photography using contemporary, industry-level camera, lighting and image editing techniques. Students will photograph in the studio and on location as they create an intentional portfolio investigating the subject-photographer relationship.

CSU

PHOT 294

Color Photographic Expression

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHOT 180

This course introduces students to the theory and practice of color in fine art photography. Course material includes color- focused lectures, interpretive (field) assignments, critiques of color photographic work and engagement with historical and contemporary practitioners. Fine tuning color photographs with professional color correction techniques for print and screen will be taught.

CSU

Physical Science (PSC)

PSC 115

Concepts in Physical Sciences for Educators

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

An investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. Designed for non-science majors, concepts are introduced in the lab through inquiry and further developed during discussion. (Same as CHEM 115).

CSU/UC

PSC 117

Physical Science Survey

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to the methods of science and concepts relating to mechanics, states of matter, waves, heat, electricity, light, atomic structure, and chemical reactions. May include topics from Earth and space science. Emphasis is on basic principles, relationships, and applications to modern civilization. This course is open to all majors. Concurrent enrollment in Physical Science 118 is highly recommended.

CSU/UC

PSC 118

Physical Science Survey Laboratory

Unit(s): 1.000 Class Hours: 54.000 Lab total.

Laboratory course to accompany Physical Science 117. Laboratory topics include: motion, forces, energy, thermodynamics, electricity, circuits, optics, and chemical reactions.

CSU/UC

Physics (PHYS)

PHYS 109

Survey of General Physics

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures

A conceptual study of important phenomena in physics. Topics include mechanics, fluids, thermodynamics, sound, light, electricity, magnetism, and modern physics.

CSU/UC

PHYS 210 (C-ID PHYS 105; C-ID PHYS 205)

Principles of Physics I

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MATH C2210

A calculus-based physics course designed for students majoring in the life sciences, pre-medicine, and related disciplines. Topics include classical mechanics, fluids, and thermodynamics.

CSU/UC

PHYS 211 (C-ID PHYS 110)

Principles of Physics II

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHYS 210 and MATH C2210

A calculus-based physics course designed for students majoring in the life sciences, pre-medicine, and related disciplines. Topics include electricity and magnetism, oscillations and waves, optics, and modern physics.

CSU/UC

PHYS 217 (C-ID PHYS 205; C-ID PHYS 200S=PHYS 217+227+237)

Engineering Physics I

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MATH C2210

A calculus-based introduction to classical mechanics designed for physical science and engineering majors. This course is a study of the principles of classical mechanics including: particle kinematics, particle dynamics, work, energy, momentum, rotational motion, equilibrium, gravity, and oscillatory motion.

CSU/UC

PHYS 227 (C-ID PHYS 210; C-ID PHYS 200S=PHYS 217+227+237)

Engineering Physics II

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHYS 217 and MATH 185

A calculus-based course focusing on the principles of electricity and magnetism, designed for physical science and engineering majors. Topics include electrostatics, electric fields, Gauss's law, circuits, magnetic fields, electromagnetic induction, and Maxwell's equations. Laboratory work emphasizes experimental techniques, data analysis, and application of theoretical concepts.

CSU/UC

PHYS 237 (C-ID PHYS 215; C-ID PHYS 200S=PHYS 217+227+237)

Engineering Physics III

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHYS 227 and MATH 185

A calculus based physics course designed for students majoring in the physical sciences and engineering. This course is a study of the principles of fluid mechanics, thermodynamics, wave motion, acoustics, optics, and modern physics .

CSU/UC

PHYS 279 (C-ID PHYS 105)

College Physics I

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: MATH 162

A trigonometry-based physics course. Topics include: classical mechanics, wave motion, fluids, oscillatory motion, and thermodynamics.

CSU/UC

PHYS 289 (C-ID PHYS 110)

College Physics II

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PHYS 279 and MATH 162

A trigonometry-based physics course. Topics include: light, electricity, magnetism, and modern physics.

CSU/UC

Political Science (POLS)

POLS C1000 (C-ID POLS 110)

American Government and Politics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology.

CSU/UC

POLS C1000H (C-ID POLS 110)

American Government and Politics - Honors

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations on Enrollment: A high school or college GPA of 3.0 or above.

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. This is an honors course.

CSU/UC

Political Science (POLT)

POLT 200 (C-ID POLS 120)

American Political Thought

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Examination of various theoretical approaches to politics within the American political context. Analysis of selected political theories and their application to American politics.

CSU/UC

POLT 200H (C-ID POLS 120)

Honors American Political Thought

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Examination of various theoretical approaches to politics within the American political context. Analysis of selected political theories and their application to American politics.

CSU/UC

POLT 201 (C-ID POLS 130)

Introduction to Comparative Politics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A comparative analysis of different kinds of political systems; including their histories, political institutions, processes and policies, the environment in which they occur, and their consequences.

CSU/UC

POLT 205

Introduction to Global Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is an introduction to the interdisciplinary field of Global Studies, including the history of globalization, and economic, political, social, cultural and ecological developments related to the process of globalization.

CSU/UC

POLT 206

Global Issues

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course introduces students to the origins, current status, and future trends of major transnational issues confronting the global community. Topics can include population trends, economic development and inequality, basic human needs (for food, water, health care), human rights, international conflict and security concerns, and environmental problems. The course also focuses on global governance, including the study of collective global responsibilities.

CSU/UC

POLT 220 (C-ID POLS 140)

International Politics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to international relations theory with an examination of national, international, transnational, and sub- national actors and their institutions, interactions and processes as they relate to global issues.

CSU/UC

POLT 235 (C-ID POLS 170)

Identity Politics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is an introduction to the politics of race and gender. Using intersectionality as a framework, the course offers an overview of the political representation, identity, status, and power of Women, Native Americans, African Americans, Latina/o Americans, and Asian Americans.

CSU/UC

Psychology (PSYC)

PSYC C1000 (C-ID PSY 110)

Introduction to Psychology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations.

CSU/UC

PSYC C1000H (C-ID PSY 110)

Introduction to Psychology - Honors

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Limitations on Enrollment: A high school or college GPA of 3.0 or above.

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This is an honors course.

CSU/UC

PSYC 140

Introduction to Psychology of Adulthood and Aging

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Examines psychological and related biological and social changes that occur in adulthood and old age and how these changes vary with ethnicity, gender and social class. Topics include longevity, health, successful aging, intimate and family relationships and mental disorders of adulthood. Designed to help students understand their own and others' aging and to familiarize them with issues in the field of gerontology.

CSU/UC

PSYC 157 (C-ID CDEV 100)

Introduction to Child Psychology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Survey of human development from conception through adolescence. Covers major theories of development (cognition, perception, language, personality, social, etc.) and their application to parenting, teaching, and other interactions with children. (No credit if student has taken Child Development 107.)

CSU/UC

PSYC 160 (C-ID PSY 180)

Introduction to Lifespan Psychology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to human development from a psychological perspective. Explores human development from conception through death, including biological and environmental influences. Theories and research of physical, cognitive, personality, and social development are examined from classical and contemporary perspectives. Attention will also be given to both normative and non-normative development.

CSU/UC

PSYC 170

Multicultural Psychology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduces students to important issues related to cultural diversity in the field of psychology. Major areas of psychology will be explored from a multicultural perspective, including research, mental health, social psychology, and identity development. Exploration of historically underrepresented populations in the U.S. will be emphasized.

CSU/UC

PSYC 190

Psychology of Human Sexuality

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An overview of human sexuality through a psychological lens with additional focus on biological, sociocultural, and historical perspectives and influences. Topics to be explored will include, but will not be limited to, the following: sexual anatomy and physiological arousal; sexual attitudes and values; sexual behaviors, dysfunction, disorders and treatments; relationships and communication; interconnections to cultural identities (e.g., race, gender identity, sexual orientation, age, religion, etc.); sexual violence; contraception and pregnancy; and sexually transmitted infections and prevention. Current sex norms and various aspects of interpersonal and individual sexual adjustment will also be discussed. (No credit if a student has taken IDS 155).

CSU/UC

PSYC 201 (C-ID PSY 150)

Introduction to Biological Psychology

Unit(s): 4.000 Class Hours: 54.000 Lecture total, 54.000 Lab total.

Explores relationships between physiological structures of the body and human behavior. Focuses on the organization and function of the brain, spinal cord, peripheral nervous system, glands, sensory and perceptual systems. Relates physiological functioning to motivated behavior, addiction, and psychological disorders.

CSU/UC

PSYC 210 (C-ID SOCI 125; C-ID MATH 110)

Statistics for the Behavioral Sciences

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Intermediate algebra or equivalent, or a qualifying profile based on multiple measures.

Introduces psychology and behavioral science majors to descriptive and inferential statistical methods. Knowledge of these methods is essential to the understanding, interpretation, and performance of scientific research. Topics covered include probability theory, hypothesis testing, correlation, analysis of variance, the graphical representation of data, basic research design, and the use of computer software to perform statistical analyses.

CSU/UC

PSYC 219 (C-ID PSY 200)

Introduction to Research Methods in Psychology

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PSYC C1000 or PSYC C1000H

Corequisite: Completion of or concurrent enrollment in: PSYC 210 (may be taken concurrently) or STAT C1000 (may be taken concurrently) or STAT C1000E (may be taken concurrently) or STAT C1000H (may be taken concurrently)

This course surveys various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology will be examined through a review of research in a variety of the sub-disciplines of psychology. In laboratory sessions students will conduct experimental and non- experimental research in a variety of areas of psychology. Actual data collected from research conducted during laboratory sessions will be analyzed with statistical software.

CSU/UC

PSYC 230 (C-ID PSY 115)

Psychology of Adjustment

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Introduction to psychoanalytic, behavioristic, cognitive, humanistic and existential theories of personality as they relate to dealing effectively with the changing demands of everyday life. Covers personal growth, self-concept, stress and coping, personal goals and motivation, and interpersonal relationships in relation to culture, gender, ethnicity, historical cohort, and socio-economic status. Includes exercises for increasing self-awareness, identifying personals goals, and for building skills for effective living and well-being.

CSU/UC

PSYC 240 (C-ID PSY 170)

Introduction to Social Psychology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An exploration of the interlocking dynamics of psychology and sociology focusing on the impact of social groups on individuals and on other groups. Content includes self-development, interaction, attitudes, conformity, friendship, love, aggression, group dynamics (Same as Sociology 240).

CSU/UC

PSYC 250 (C-ID PSY 120)

Introduction to Psychopathology

Formerly: Introduction to Abnormal Psychology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: PSYC C1000 or PSYC C1000H

Introduction to the commonly diagnosed psychological disorders. Includes psychophysiological disorders, anxiety, depression, substance abuse, sexual dysfunctions, schizophrenia, developmental, cognitive, and personality disorders. Emphasis is on identification, symptomatology, etiology, and methods of therapeutic intervention.

CSU/UC

PSYC 260

Psychopharmacology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The aim of this course will be to explore psychoactive drugs and their impact on behavior, cognition, neural communication, and physiology. Psychotherapeutic drugs and recreational drugs will be covered. Core concepts include the structure and function of the nervous system, pharmacokinetics, and pharmacodynamics of drugs. There will be specific emphasis on the treatment of psychological disorders, addiction, cognitive enhancement, and the impact of learning and memory. This course uses a biopsychosocial model to examine the history and use of psychopharmacology for treatment of mental disorders and includes the study of neurobiology and mechanisms of action of the major psychotropic drugs. The role of gender, culture, age, and other variables on the indication and use of medications is examined.

CSU/UC

PSYC 270

Introduction to Cognitive Science

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is designed to help students better understand cognitive science. Topics include cognitive neuroscience, perception, memory, learning, attention, language, creativity, and problem-solving. Current perspectives as it relates to thought in humans and non-humans will also be covered.

CSU/UC

PSYC 350

Psychology and Law

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Student must be admitted to the Bachelor's of Arts program in Paralegal Studies.

Introduction to the field of psychology and law. This course is meant to provide students with a better understanding of how psychological theory and research apply to the legal system, as well as how the law guides psychological research. It will cover psychological theory and methods relevant to legal topics such as eyewitness memory, expert and jury decision making, race, mental illness, cognitive biases, and social influence. These topics span multiple subfields, including cognitive, social, developmental, personality, and biological psychology.

Sociology (SOC)

SOC 100 (C-ID SOCI 110)

Introduction to Sociology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The scientific study of human societies and behavior focusing on the process of social interaction, patterns of social inequality, and the influence of social institutions on individuals as members of social groups. Special emphasis provided to explain factors promoting social stability and social change.

CSU/UC

SOC 100H (C-ID SOCI 110)

Honors Introduction to Sociology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

A seminar-style, content-enriched course to provide a critical and extensive exploration of the sociological perspective, methods, and theories of social interaction, stability and change. Focuses on the importance of sociology for understanding individuals in a social context and provides a comprehensive understanding of and scientific way of thinking about society.

CSU/UC

SOC 112 (C-ID SOCI 130)

Relationships, Marriages, and Family Dynamics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

In-depth examination of the process of developing intimate relationships leading to committed partnerships and marriages with emphasis on effective communication techniques, understanding relationship dynamics, parenting, diverse family systems and overcoming family stressors at each life stage.

CSU/UC

SOC 140 (C-ID SOCI 115)

Social Problems

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An extensive survey of contemporary social trends and problems through sociological analysis concentrating on their causes, complexities, consequences, and possible solutions. Special emphasis will be placed on the problems in the U.S., with consideration of the global perspective.

CSU/UC

SOC 140H (C-ID SOCI 115)

Honors Social Problems

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

A seminar-style, in-depth sociological analysis and critique of U.S. social trends and problems with an emphasis on contemporary and historical social policy with additional consideration of global perspectives.

CSU/UC

SOC 150 (SOCI 150)

Intro to Race and Ethnicity

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course focuses on the application of sociological theories and concepts to the study of race, ethnicity, and racism within an intersectional context. It includes an examination of the cultural, political, historical, and economic practices and institutions that construct, perpetuate, or challenge racism, racialized inequalities, and interactive dynamics within and between various racial and ethnic groups. Special attention will be extended to the impacts of globalization, immigration, miscegenation, identity formation, and strategies to combat and decrease prejudice and discrimination.

CSU/UC

SOC 240 (C-ID PSY 170)

Introduction to Social Psychology

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An exploration of the interlocking dynamics of psychology and sociology focusing on the impact of social groups on individuals and on other groups. Content includes self-development, interaction, attitudes, conformity, friendship, love, aggression, group dynamics (Same as Psychology 240).

CSU/UC

SOC 286

Introduction to LGBTQ+ Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The Introduction to LGBTQ+ Studies offers an intersectional examination of issues related to the gay, lesbian, bisexual, transgender, and queer experience. Taught from the sociological perspective, this course includes historical and contemporary analyses of the LGBTQ+ community and their relationship to social institutions, and institutional power. The Introduction to LGBTQ+ Studies also surveys political, legal, and cultural values and actions with a focus on social justice. Field trips may be required. (Same as WMNS 286)

CSU/UC

SOC 401

The Sociology of Health, Illness, and Healing

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: Student must be admitted to the Occupational Studies program. and SOC 100 or SOC 100H

This course analyzes the social contexts of health, illness, and organized medical care. It examines empirical research and theory of the changing concepts of health, illness and medical practice in their socio-historical contexts. Topics will include: social epidemiology, the biomedical and social construction of health/ illness, the experience of illness, the historical transformation of the health professions and the health work force, disparities in health care, medical technology, global comparisons of health care and health care reform.

Spanish (SPAN)

SPAN 101 (C-ID SPAN 100)

Elementary Spanish I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Practice and integration of pronunciation, grammar, vocabulary, common idioms, listening, speaking, reading, and writing techniques for the expression of ideas orally and in writing.

Introduction to Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 101 is equivalent to two years of high school Spanish.

CSU/UC

SPAN 101H (C-ID SPAN 100)

Honors Elementary Spanish I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Enhanced and intensive practice and integration of pronunciation, grammar, vocabulary, common idioms, listening, speaking, reading, and writing techniques for the expression of ideas orally and in writing. Enriched introduction of Hispanic culture. Note: Some sections are designated for Spanish speakers. Spanish 101H is equivalent to two years of high school Spanish.

CSU/UC

SPAN 102 (C-ID SPAN 110)

Elementary Spanish II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 101 or SPAN 101H or two years of high school with a passing grade. All Cal State and UC universities Spanish programs require a minimum grade of C in Spanish 101 or two years in high school with a passing grade.

A college-level Spanish class focusing on further training in language skills providing avenues for the expression of ideas orally and in writing. Additional study of Hispanic culture.

Designated sections focus on skills for Spanish speakers. Spanish 102 is equivalent to the third year of high school Spanish.

CSU/UC

SPAN 102H (C-ID SPAN 110)

Honors Elementary Spanish II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 101 or SPAN 101H All Cal State and UC universities have the same prerequisites for Spanish 102H.

Further enhanced and intensive training in language skills for the expression of ideas orally and in writing. Additional enriched study of Hispanic culture. Note: Some sections are designated for Spanish speakers. Spanish 102H is equivalent to the third year of high school Spanish.

CSU/UC

SPAN 195A

Advanced Conversational Spanish

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 102 or SPAN 102H

Further development of conversational skills. Review of language structures as well as reinforcement of new vocabulary and idioms through discussions of reading selections dealing with historical and current events to deepen appreciation of Hispanic cultures.

CSU/UC

SPAN 195B

Advanced Conversational Spanish

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 195A

Continuation of development of conversational skills. Provides avenues for the expression of ideas introduced in literary and current event readings through discussions and class presentations to deepen appreciation of Hispanic cultures.

CSU/UC

SPAN 201 (C-ID SPAN 200)

Intermediate Spanish I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 102 or SPAN 102H or three years of high school Spanish with a passing grade. These prerequisites are also required in Cal State and UC Spanish universities.

A college level Spanish class focusing on expansive review of usage and grammar, discussions of interpretive readings, conversation, and composition.

CSU/UC

SPAN 201H (C-ID SPAN 200)

Honors Intermediate Spanish I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 102 or SPAN 102H or three years of high school Spanish with a passing grade. All four year public universities, Cal State and University of California Spanish Programs require the same prerequisites for Intermediate Spanish level course.

An enriched exposure of Hispanic history, culture, and literature in a seminar setting. In-depth analysis of grammatical structures.

Further use of argumentative oral strategies. Enhanced development of conversation and composition. Independent research by students to use/evaluate library and electronic information sources.

CSU/UC

SPAN 202 (C-ID SPAN 210)

Intermediate Spanish II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 201 or SPAN 201H or four years of high school Spanish with a passing grade. All Cal State and UC Spanish programs have the same requirements listed at Santa Ana College.

A college-level Spanish class focusing on expansive review of usage and grammar; discussions in Spanish of interpretive reading materials; conversation and composition.

CSU/UC

SPAN 202H (C-ID SPAN 210)

Honors Intermediate Spanish II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 201 or SPAN 201H

An enriched exposure of Hispanic history, culture, and literature in a seminar setting. In-depth analysis of grammatical structures.

Enhanced development of conversation and composition. Further use of argumentative oral strategies. Independent research by students to use/evaluate library and electronic information sources.

CSU/UC

SPAN 212

College Business Spanish

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 202 or SPAN 202H or four years of high school Spanish with a grade of C or better.

A course designed to give intermediate level students a solid foundation in business vocabulary, basic business and cultural concepts, and provide practice of real-life situations necessary to be successful in today's Spanish-speaking business world. The course is designed for students majoring in Spanish, International Studies, and/or International Business.

CSU/UC

SPAN 213

College Spanish Composition

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SPAN 201 or SPAN 201H or four years of high school Spanish with a passing grade.

Writing of compositions through discussions, interpretive readings, and analysis of authentic materials and literary texts. Selective review of grammar.

CSU/UC

Speech-Language Pathology Assistant (SLPA)

SLPA 118

Introduction to Speech-Language Pathology Assisting

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

Overview of the field of speech-language pathology, professional standards, legal and ethical issues, and scope of responsibilities of the speech-language pathologist and the speech-language pathology assistant in health care and educational settings.

CSU

SLPA 119

Speech-Language and Hearing Development Across the Life Span

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Students will learn about typical speech, hearing, and language development across the lifespan. Topics will include the differentiation of typical from disordered communication and communication development in bilingual populations.

CSU/UC

SLPA 120

Speech-Language Pathology Clinical Management and Procedures

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SLPA 118

Students will learn the organizational and functional skills required in the speech-language pathology workplace. Topics include interdisciplinary and supervisory relationships, client and public interaction, safety issues, technical writing, data collection, record keeping, and computer applications.

CSU

SLPA 150

Observation of Speech-Language Pathology Clinical Practices

Unit(s): 0.500 Class Hours: 28.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SLPA 118 and

Corequisite: Concurrent enrollment in: SLPA 160

Beginning clinical observation of practices and procedures required in speech-language pathology. Students will be required to complete 25 hours of directed observation meeting the California professional and vocational regulation for the educational preparation of a speech-language pathology assistant.

CSU

SLPA 160

Introduction to Communicative Disorders and Treatment

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course will provide students with an introduction to disorders of communication, including classification, prevalence, assessment and remediation of speech, language, swallowing, and hearing disorders in children and adults. The role of the speech-language pathologist and audiologist in educational and medical settings will also be presented.

CSU/UC

SLPA 170

Introduction to Phonetics

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Study of the articulatory foundations of the description and classification of speech sounds. Introduces the International Phonetic Alphabet (IPA), physiological properties of the speech- producing mechanism, and practice using the IPA for broad and narrow transcription. Emphasis will be on Standard American English along with comparison to the sound system of other languages and disordered speech.

CSU

SLPA 180

Speech-Language Pathology Screening Processes and Intervention Procedures

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SLPA 120 and SLPA 150 and SLPA 160

Students will learn general principles and practices regarding the screening and intervention processes and procedures used for the treatment of individuals with communication disorders.

CSU

SLPA 190

Speech-Language Pathology Assistant Clinical Fieldwork I

Unit(s): 2.000 Class Hours: 4.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SLPA 120 and SLPA 150 and SLPA 160 and Application to SLPA Department Coordinator required the semester prior to enrollment; current negative TB clearance; current CPR and First Aid certification; fingerprinting and background check may be required and

Corequisite: Concurrent enrollment in: SLPA 180

Beginning application of supervised clinical practice as required of a speech-language pathology assistant in a professional setting. The speech-language pathology assistant student will complete clinical hours under the supervision of a speech-language pathologist in accordance with requirements established by the California Department of Consumer Affairs Speech-Language Pathology & Audiology & Hearing Aid Dispensers Board for registration as a Speech-Language Pathology Assistant.

CSU

SLPA 200

Adult and Geriatric Communication Disorders

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SLPA 160

Speech, language, and hearing disorders experienced by the adult and geriatric populations. Introduction to the assessment tools and treatment strategies used to treat acquired disorders such as adult aphasia, dysarthria, and hearing loss.

CSU

SLPA 250

Speech-Language Pathology Assistant Clinical Fieldwork II

Unit(s): 2.000 Class Hours: 4.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: SLPA 180 and SLPA 190 and student submission of a SLPA Fieldwork application to the Department Coordinator is required a semester prior to enrollment; current negative TB clearance; current CPR and First Aid Certification; fingerprinting and background check may be required.

Advanced application of clinical procedures in a professional setting. The speech-language pathology assistant student will complete clinical hours under the supervision of a speech- language pathologist in accordance with requirements established by the California Department of Consumer Affairs Speech-Language Pathology & Audiology & Hearing Aid Dispensers Board for registration as a Speech-Language Pathology Assistant.

CSU

Statistics (STAT)

STAT C1000 (C-ID SOCI 125, C-ID MATH 110)

Introduction to Statistics

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision- making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines.

CSU/UC

STAT C1000E (C-ID MATH 110)

Introduction to Statistics

Unit(s): 4.500 Class Hours: 72.000 Lecture total, 36.000 Lab total.

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision- making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This course has embedded support.

CSU/UC

STAT C1000H (C-ID SOCI 125, C-ID MATH 110)

Introduction to Statistics - Honors

Unit(s): 4.000 Class Hours: 72.000 Lecture total.

Prerequisite: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of intermediate algebra.

Limitations of Enrollment: A high school or college GPA of 3.0 or above.

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision- making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This is an honors course.

CSU/UC

Study Skills (STDY)

STDY 101

College Study Skills

Unit(s): 1.000 Class Hours: 18.000 Lecture total.

A course designed to teach effective college study skills while also helping students create positive academic and lifelong learning strategies for application across disciplines. Foundational to this course, students learn study skill techniques, such as: efficient time management and test-taking/test-anxiety reduction, stress management, effective note taking, textbook reading methods, and principles of memory, learning, motivation, and concentration. Particular attention is placed on individual, academic, and interpersonal success.

CSU

STDY 109

College Learning Skills

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course provides effective success strategies to enhance student self-development, academic, and lifelong learning skills for the college student. The techniques include values, goal- setting, dealing with money, stress management, diversity, motivation, health, and time-management. Students learn personal growth methods and develop strategies to effectively deal with issues to ensure personal, educational, and career success.

CSU/UC

Theatre Arts (THEA)

THEA 100 (C-ID THTR 111)

Introduction to Theatre

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to the art and concepts of theatre through a study of modern and historical theories of dramatic structure, playwriting, directing, design, and acting. Attendance of live theatre required.

CSU/UC

THEA 105 (C-ID THTR 113)

Theatre History 1

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The study of the history of theatre from the origins of theatre through the 17th Century. The history and development of theatre and drama are studied in relationship to cultural, political and social conditions of the time. Plays are read for analysis of structure, plot, character and historical relevance.

CSU/UC

THEA 109

Stage Management

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Exploration of the study and practical application practices of the stage manager as they pertain to the theatrical production process. Emphasis is placed on the duties, responsibilities, and procedures from pre-production to post-production.

CSU/UC

THEA 110 (C-ID THTR 151)

Acting Fundamentals

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

A study of acting involving the development of acting techniques, styles, and disciplines. Provides theory and practical experience with varied characterizations. Emphasizes individual growth and acquired skills necessary to the acting craft.

CSU/UC

THEA 111 (C-ID THTR 152)

Intermediate Acting

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 110

Further study in the art of acting for the stage, investigating in-depth character study, role portrayal, special problems, and personal technique. Acting skills developed through use of exercises, monologues, and scenes from contemporary theatre.

CSU/UC

THEA 113

Acting for the Camera

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Techniques and disciplines of acting as applied to film and television production. Opportunity to practice and perform with emphasis on developing talents and skills required in acting for the screen (Same as Theatre Arts 113).

CSU/UC

THEA 114

Acting for the Camera II

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: THEA 113

An intermediate and immersive on-camera experience in which the student will have opportunities to practice skills and techniques in several styles of camera production: movie/TV narrative drama, comedy, and reality TV. The material from these performances is edited, screened, and discussed.

CSU/UC

THEA 117

Introduction to Technical Theatre

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

A project-based course involving the study and execution of technical theater principles. Students will learn the theatrical design and technical practices that apply to scenery, lighting, sound, costumes, make up, properties, and scene painting.

CSU/UC

THEA 118

Fundamentals of Scene Study

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

A continued study for the beginning actor in the preparation and presentation of scenes from modern comedies, the plays of William Shakespeare, and plays from influential playwrights such as Anton Chekov and Henrik Ibsen. Students prepare scenes with partners for performance and critique.

CSU/UC

THEA 120

Musical Theatre History

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course explores the history of the uniquely American art form that is musical theatre from its early development in the colonial period to the present time. Emphasis will be placed on the chronological examination of various musical theatre productions. Students will learn how the composers, librettists, lyricists, choreographers, directors, and designers contributed to the formation and the popularity of musical theatre as it exists today.

CSU/UC

THEA 123

Introduction to Drama and Acting

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to acting and dramatic literature that includes analysis of plays, dramatic structure, and performance criticism. This course explores the history and development of acting styles and methodologies specific to the major historical periods of drama in which they were created. Intended to enhance imagination and creativity and emphasize intellectual growth through the exploration of the cultural significance of drama and performance.

CSU/UC

THEA 128

Introduction to Sound Design

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

A study of sound design principles and practices and the sound technology used to bring sound to the stage and the concert hall. Project-based learning provides the student with an introduction to audio equipment and an understanding of the craft and process of sound design.

CSU/UC

THEA 130

Introduction to Lighting Design

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

An overview of the methods and techniques of the lighting designer. The course includes training in the creative concepts of design and the practical operation of the equipment used to execute the design.

CSU/UC

THEA 131 (C-ID THTR 171)

Stagecraft

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

An introduction to technical theatre and the creation of scenic elements including design concepts, painting techniques, set construction, set movement, prop construction, backstage organization, and stage management.

CSU/UC

THEA 132 (C-ID THTR 175)

Stage Makeup

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Basic techniques and artistry of stage makeup and its relation to the total production. Covers history, aesthetics and design theory, color theory, materials, and application procedures for varied characterizations. Practical application of learned skills are applied to departmental productions.

CSU/UC

THEA 133 (C-ID THTR 173)

Lighting Fundamentals

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Theory and practices of lighting including control systems and instruments as well as the techniques for proper installation, operation, maintenance, and safety. (same as DM 260)

CSU/UC

THEA 135 (C-ID THTR 192)

Technical Production

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 70.000 Lab total.

Supervised instruction and practical experience in backstage production responsibilities including stage management, scenery construction and movement, properties, costuming, lighting, sound, and running crews.

CSU/UC

THEA 136 (C-ID THTR 174)

Introduction to Stage Costume

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

Students will study costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated. (Same as FDM 136).

CSU/UC

THEA 137

Costume Design and Construction

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

Explores the many aspects of costume design, including the breakdown of a script, artistic rendering of the literature, development of themes and design concepts, research sources, examination of the social and economic mores that govern dress, and the history of dress. Students will analyze, research, and design two plays to present to the class. The course will include film and theatre industry standards in the area of costume design.

CSU/UC

THEA 138

Costume Periods and Styles

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A study of the changes in dress from ancient times to the present. Social and political influences, as well as the historical accuracy of period dress, are considered relative to the practical needs of costuming for stage, film, and television.

CSU/UC

THEA 140A

Theatre Performance

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

An introduction to theatre performance emphasizing acting technique, theatre vocabulary, and creative individual expression. Students learn the process of presenting a role on stage. Prepares the student for Theatre Performance 140B. All actors must audition and be cast prior to enrolling.

CSU/UC

THEA 140B

Theatre Performance II

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 140A

Continued study in theatre performance emphasizing acting technique, theatre vocabulary, and creative individual expression. Students perfect the process of presenting a role on stage.

Theatre Arts 140B is a continuation and refinement of the work begun during Theatre Arts 140A. All actors must audition and be cast prior to enrolling.

CSU/UC

THEA 140C

Theatre Performance III

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 140B

Provides the continuing theatre performance student opportunity to concentrate on more advanced acting methods and development of technique. Emphasizes the development of the individual actor's performance style connecting the voice and body with the emotional life of a character. All actors must audition and be cast prior to enrolling.

CSU/UC

THEA 140D

Theatre Performance IV

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 140C

Continuing study of acting technique including more complicated methodology and advanced script material. Emphasizes the combination of the individual actor's performance style with the demands of the professional theatre arena. All actors must audition and be cast prior to enrolling.

CSU/UC

THEA 150A (C-ID THTR 191)

Rehearsal and Performance in Production

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 70.000 Lab total.

Practical experience in performance production culminating in a series of public performances. All actors must audition and be cast prior to enrolling.

CSU/UC

THEA 150B (C-ID THTR 192)

Technical Theatre in Production

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 70.000 Lab total.

Students will gain practical experience in the application of production responsibilities in any of the following: stage management, scenery construction, properties, costuming, lighting, or sound. This course culminates into a series of public performances. All student technicians must obtain instructor approval prior to enrolling.

CSU/UC

THEA 151 (C-ID THTR 191)

Showcase I

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

An introduction to theatre performance emphasizing acting technique, theatre vocabulary, and creative individual expression. Students learn the process of presenting a role on stage. Prepares the student for Showcase II.

CSU/UC

THEA 152 (C-ID THTR 191)

Tour Ensemble

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

An introduction to theatre performance emphasizing acting techniques as applied to performing a role in multiple venues.

CSU/UC

THEA 153

Introduction to Directing

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

The study and application of directing theory, process, script analysis, designer collaboration, character development, staging, actor coaching, and presenting.

CSU/UC

THEA 154 (C-ID THTR 191)

Performance Ensemble

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

A study of the standards and expectations for an actor in auditions, rehearsals, and performances of an ensemble production. Students desiring an acting role must audition.

CSU/UC

THEA 155 (C-ID THTR 191)

Children's Theatre Ensemble

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 70.000 Lab total.

Intensive rehearsal and performance production experience culminating in the presentation of a live production for young audiences.

CSU/UC

THEA 161

Tour Ensemble II

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 152

Continued study in theatre performance emphasizing acting techniques as applied to performing a role in a touring company. Students perfect the process of presenting a role in multiple venues.

CSU/UC

THEA 162

Tour Ensemble III

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 161

Provides the continuing theatre performance student opportunity to concentrate on more advanced acting methods and development of technique in playscripts for a touring ensemble. Emphasizes the development of the individual actor's performance style connecting the voice and body with the emotional life of a character.

CSU/UC

THEA 163

Tour Ensemble IV

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 162

Continued study of acting technique including more complicated methodology and advanced script material focusing on touring ensembles. Emphasizes the combination of the individual actor's performance style with the demands of the professional touring arena.

CSU/UC

THEA 165

Intermediate Stage Lighting

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

This course explores stage lighting, projection, lighting control systems, optical systems, color theory, and current lighting graphic standards as they apply to stage, film, and video. Students demonstrate their skills through projects, programming, and rigging.

CSU/UC

THEA 166

Fundamentals of Programming

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

Develop the programming skills to complete a show set up, control fixture characteristics, create and record cues, and transfer between programming and show control. Emphasis will be placed on developing speed and accuracy in these basic skills.

CSU

THEA 167

Automated Lighting Instruments

Unit(s): 3.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

The study, dissection, and manipulation of software applications and intelligent lighting instruments that are used in the creation, management, visualization, and virtualization of live and recorded productions in the entertainment field.

CSU

THEA 169

Work Experience - Theatre

Unit(s): 1.000-4.000 Class Hours: 54.000-216.000 Lab total.

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 54 hours of work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253. Students may earn a maximum of 14 units of credit for work experience. (Pass/No Pass Only)

CSU

THEA 171

Showcase II

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 151

Continued study in theatre performance emphasizing acting technique, theatre vocabulary, and creative individual expression. Students perfect the process of presenting a role on stage.

CSU/UC

THEA 172

Showcase III

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 171

Provides the continuing theatre performance student opportunity to concentrate on more advanced acting methods and development of technique. Emphasizes the development of the individual actor's performance style connecting the voice and body with the emotional life of a character.

CSU/UC

THEA 173

Showcase IV

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 172

Continued study of acting technique including more complicated methodology and advanced script material. Emphasizes the combination of the individual actor's performance style with the demands of the professional theatre arena.

CSU/UC

THEA 177

Principles of Playwriting

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An introduction to the elements of writing a play for the stage emphasizing dramatic structure, dramatic action, relationship between dialogue and action, setting, theme and point of view. Students will be assigned writing exercises that culminate in a one-act play. Same as ENG 177, Principles of Playwriting.

CSU

THEA 178

Musical Theatre Techniques

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

This course explores the development of the beginning fundamentals of acting, singing and movement for musical theatre through exercises, auditions, solo and group performances.

CSU/UC

THEA 179

Musical Theatre Workshop

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 178

Development and exploration of musical theatre skills. Students will become proficient musical theatre artists through theatrical exercises, audition and dance techniques and solo and group performances.

CSU/UC

THEA 180

Intermediate Musical Theatre Techniques

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 178

This course explores intermediate level techniques of acting, singing and movement for musical theatre through theatrical exercises, auditions, solo and group performances.

CSU/UC

THEA 181

Intermediate Musical Theatre Workshop

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 179

Intermediate level development and exploration of musical theatre skills. Students will become proficient musical theatre artists through theatrical exercises, audition and dance techniques and solo and group performances.

CSU/UC

THEA 186

Voice for the Actor

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

An academic study and practical application of the efficient and effective use of the speaking voice, particularly in meeting the unique demands of acting for the stage. Focus will be placed on exercises designed to identify and correct breathing problems, diction problems, and to create conscious control of speech function.

CSU/UC

THEA 190

Improvisation for Stage and Screen

Unit(s): 3.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Exploration of the principles and techniques of improvisational acting designed to increase the actor's creativity, problem solving, and performance skills. This course also develops student awareness of the importance of the cooperative dynamics of theatre, television and film.

CSU/UC

THEA 250

Advanced Theatre Production

Unit(s): 2.000 Class Hours: 18.000 Lecture total, 70.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 150A

Practical experience performing an advanced level role in a series of public performances.

CSU/UC

THEA 255

Motion Picture Performance Production

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Practical experience in performance production culminating in a fully produced feature film screened to the public. The final movie presentation becomes the basis for developing an actor reel.

Students desiring an acting role must audition.

CSU/UC

THEA 256

Intermediate Motion Picture Performance Production

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 255

Intermediate level practical experience course in production culminating in a fully produced feature film screened to the public. The final movie presentation becomes the basis for developing an actor reel. Students desiring an acting role must audition.

CSU/UC

THEA 257

Motion Picture Performance Production III

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 256

Provides the continuing performance student opportunity to concentrate on more advanced acting methods and development of technique. Emphasizes the development of the individual actor's performance style connecting the emotional life of a character to technical delivery on-screen.

CSU/UC

THEA 258

Motion Picture Performance Production IV

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: THEA 257

Continued study of on-camera acting technique including more complicated methodology and advanced script material.

Emphasizes the combination of the individual actor's performance style with the demands of working on a professional set.

CSU/UC

Vietnamese (VIET)

VIET 101

Elementary Vietnamese I

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

A college level Vietnamese class focusing on pronunciation and grammar, basic vocabulary, common idioms, listening, speaking, reading, and writing techniques to provide avenues for the expression of ideas orally and in writing. Introduction to Vietnamese culture. Some sections designated for native Vietnamese speakers. Vietnamese 101 is equivalent to two years of high school Vietnamese.

CSU/UC

VIET 102

Elementary Vietnamese II

Unit(s): 5.000 Class Hours: 90.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VIET 101

A college level Vietnamese course focusing on further training in pronunciation and grammar, more extensive vocabulary development, conversation, and composition. Supplementary cultural readings. Vietnamese 102 is equivalent to the third year of high school Vietnamese.

CSU/UC

Welding (WELD)

WELD 101

Introduction to Welding

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

This is a basic course designed to introduce students to shop safety, the proper use of tools and basic equipment, and basic fundamentals through the introduction of various welding processes currently used in the welding and metal fabrication industry. Processes will include Oxy-fuel cutting, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW).

CSU

WELD 111A

Welding Lab Skills

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101

This class is designed for students to enhance their welding skills. Students will be able to practice open root welding, along with preparation for welding practical exams. This lab will focus on material preparation and welding techniques. Students will receive two units for 108 hours of participation.

CSU

WELD 111B

Welding Skills Lab

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101

This class is designed for students to enhance their welding skills. Students will be able to practice open root welding, along with preparation for welding practical exams. This lab will focus on material preparation and welding techniques. Students will receive two units for 108 hours of participation.

CSU

WELD 111C

Welding Skills Lab

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101

This class is designed for students to enhance their welding skills. Students will be able to practice open root welding, along with preparation for welding practical exams. This lab will focus on material preparation and welding techniques. Students will receive two units for 108 hours of participation.

CSU

WELD 111D

Welding Skills Lab

Unit(s): 2.000 Class Hours: 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101

This class is designed for students to enhance their welding skills. Students will be able to practice open root welding, along with preparation for welding practical exams. This lab will focus on material preparation and welding techniques. Students will receive two units for 108 hours of participation.

CSU

WELD 125

Intermediate Electric Arc Welding

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101

This is an intermediate course designed for students who want to progress in their welding skills through the application of Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Oxy-fuel Cutting. The course will emphasize proficiency in welding in the flat, horizontal, and vertical positions. Continuing emphasis on safety, theory, and practical skill development.

CSU

WELD 132

Introduction to Gas Tungsten Arc Welding

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101

This course is designed to introduce students to Gas Tungsten Arc Welding (GTAW), Shop safety, GTAW equipment, and GTAW fundamentals. GTAW skills and theory will be demonstrated to support what is currently used in the welding and metal fabrication industry.

CSU

WELD 153

Math/Blueprint Reading for Welders

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course focuses on math used in welding and blueprint reading. Emphasis will be placed on welding blueprint symbols along with industry mathematics. The student will be able to read and interpret shop, field drawings, and blueprints related to the welding industry.

CSU

WELD 155

Metal Fabrication

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 153 WELD 240

This course is designed for students with prior welding experience. The course will provide students with a general understanding of the fundamental methods of welding fabrication used in industry. Students will become familiar with standard mill shapes and materials, jigs and fixtures, methods of layout and fitting, preparation and qualification of welding procedures and welding sequence, cost analysis, and cutting and fastening techniques. This course is strongly recommended for those entering the fields of metal fabrication, quality assurance, inspection, supervision, and engineering of welded products.

CSU

WELD 177

Welding Metallurgy

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

This course is designed to introduce students to the field of metallurgy and familiarize the student with production, use, and testing of metals and other materials. This course reviews the relationships between the properties of metals/alloys as well as other materials and how they relate to design and manufacturing industries.

CSU

WELD 181

Pipe Welding Fundamentals

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101

This course is an introduction class to pipe welding with the Shielded Metal Arc Welding (SMAW) process. Students will focus on safety, theory, preparation, and welding. Emphasis will be placed on welding in the flat (1G) and horizontal (2G) positions using various size pipe with E6010 and E7018 electrodes.

CSU

WELD 182

Intermediate Pipe Welding

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 181

This course is an intermediate class in pipe welding. Students will focus on safety, theory, pipe preparation, and welding. Emphasis will be placed on welding in the fixed horizontal (5G) and fixed 45 degree (6G) positions on various size pipe, using the Shielded Metal Arc Welding (SMAW) process with E6010 and E7018 electrodes.

CSU

WELD 198-00

Welding 198 Topics

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Specialized courses on topics in welding technology. Not offered every year.

CSU

WELD 225

Advanced Electric Arc Welding

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 125 Student must demonstrate advanced electric arc welding knowledge in accordance with student learning objectives. Subject to Instructor's discretion.

This is an advanced course designed to improve and master the student's previously acquired welding skills in Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Oxy-fuel Cutting. The course will emphasize proficiency of welding in the vertical and overhead positions with continued emphasis on safety, theory, and practical skill development.

CSU

WELD 232

Advanced Gas Tungsten Arc Welding

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 132

This is an advanced welding course using the Gas Tungsten Arc Welding (GTAW) process. This course is intended to challenge the students with welding out of position on various alloys. The students will weld in the horizontal (2F/G), vertical (3F/G), and overhead (4F/G) welding positions on plate and pipe. This class is designed to prepare students for the certification tests in structural, pipe, and aerospace industries.

CSU

WELD 240

Structural Welding SMAW

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101 Students will need to show beginner's knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion.

WELD 125 Students must demonstrate intermediate knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion. WELD 225 Students must demonstrate advanced knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion.

Limitations of Enrollment: Students will need to show knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion.

This is an advanced course designed to provide students with specialized instruction in Shielded Metal Arc Welding (SMAW) for the Los Angeles Department of Building and Safety (LADBS) welder performance examination and/or the welder performance examination in accordance with the American Welding Society (AWS) D1.1 Structural Steel Code. Simulated examination plates will be issued to students, who will have to complete them in vertical (3G) and overhead (4G) positions, in order to evaluate their progress. Upon completion of the class, students should be prepared to schedule, take, and pass the welder performance examination for structural steel welding (AWS: D1.1).

CSU

WELD 242

Structural Welding FCAW

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101 Students will need to show beginner's knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion.

WELD 125 Students must demonstrate intermediate knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion. WELD 225 Students must demonstrate advanced knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion.

This is an advanced course designed to provide students with specialized instruction in flux cored arc welding (FCAW) for the Los Angeles Department of Building and Safety (LADBS) welder performance examination and/or the welder performance examination in accordance with the American Welding Society (AWS) D1.1 Structural Steel Code. Simulated examination plates will be issued to students, who will have to complete them in vertical (3G) and overhead (4G) positions, in order to evaluate their progress. Upon completion of the class, students should be prepared to schedule, take, and pass the welder performance examination for structural steel welding (AWS: D1.1).

CSU

WELD 244

Welding Certification D1.1 Code Clinic

Unit(s): 2.000 Class Hours: 36.000 Lecture total.

This course is designed for welding students looking to achieve their certification in the written portion of the American Welding Society (AWS) D1.1 Structural Steel code book. Emphasis will be focused on understanding and navigating the D1.1 Structural Steel code book. Students will cover prequalified/qualified design, prequalified base/filler material, procedure/welder qualifications, fabrication essentials, and testing as specified by AWS D1.1 Structural Code specifications leading to Los Angeles City or AWS welding certifications.

CSU

WELD 256

Alternative Welding Processes

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 101 Students will need to show beginner's knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion. and WELD 125 Students must demonstrate intermediate knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion.

Limitations of Enrollment: Students will need to show knowledge of electric arc welding in accordance with the student learning objectives. Subject to the Instructor's discretion.

The Alternative Welding Processes course focuses on robot and laser safety, programming, and operation. The course trains students in the fundamentals of robot programming and language. Laser welding includes the development and documentation of procedures and qualification of welds, and the calibration of equipment for welding. Same as MNFG 256.

CSU

WELD 282

Advanced Pipe Welding

Unit(s): 3.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: WELD 182

This advanced course prepares students to pass their inclined (6G) certification test. Students will use AWS and American Petroleum Instutute (API) standard 1104 procedures. Emphasis will be on open root groove welds on pipe using the Shielded Metal Arc Welding (SMAW). Students will use E6010 and E7018 electrodes along with Gas Tungsten Arc Welding (GTAW).

CSU

Women's Studies (WMNS)

WMNS 101

Introduction to Women's Studies

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

A multicultural survey of social trends, issues, opportunities, and topics of special interest to women. Discussion includes sex, sex role stereotyping, family problems, work, law, gender equity, physical and mental health, feminism, rape, and women in arts, sciences, history and business. Field trips may be required.

CSU/UC

WMNS 102

Money, Sex, and Power

Unit(s): 3.000 Class Hours: 54.000 Lecture total.

An examination of women's roles in America. Emphasis on employment, family structures, and personal development. Topics include: historical patterns, socialization, opportunities, sexism, identity, growth, law, unionization, sexual harassment, media influence, family pressures, child care, guilt, stress.

CSU/UC

WMNS 286

Introduction to LGBTQ+ Studies

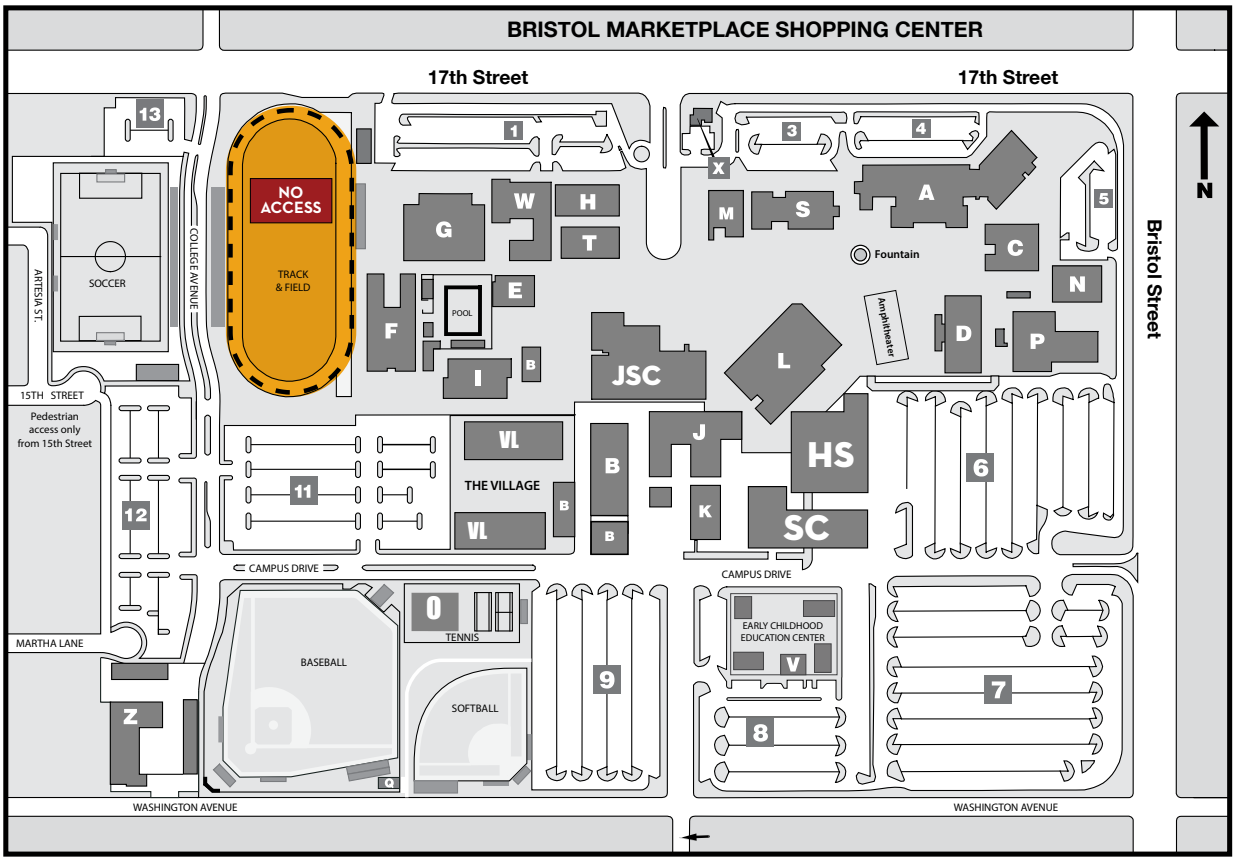
Unit(s): 3.000 Class Hours: 54.000 Lecture total.

The Introduction to LGBTQ+ Studies offers an intersectional examination of issues related to the gay, lesbian, bisexual, transgender, and queer experience. This course includes historical and contemporary analyses of the LGBTQ+ community and their relationship to social institutions, and institutional power. The Introduction to LGBTQ Studies also surveys political, legal, and cultural values and actions with a focus on social justice. Field trips may be required. (Same as SOC 286)

CSU/UC

Santa Ana College Campus Map

SANTA ANA COLLEGE



SAC FACILITIES AND LOCATIONS

A	Business and Computer Center	
	Academic Computing Center	A-106
	Distance Education	A-101
B	Middle College High School	
	SAUSD Administration Office	B-10
	Classrooms (The Village)	VL-300
B 8	Adult Education Center Office	
B 15 – 31	Adult Education Classrooms	
B 33	Adult Education Classrooms	
C	Fine Arts / Art Gallery	
D	Dunlap Hall	
	Honors Program	D-307
	Learning Center	D-307
E	Fitness Center	
F	Locker Rooms	
G	Cook Gym	
H	Hammond Hall	
HS	Health Science	
I	Classroom Building	
J	Auto Shop	
JSC	Johnson Student Center	
	Associated Student Government (ASG)	JSC-103
	Bookstore (in Campus Store)	JSC-117
	Cafe -Coffee/Juice Bar	JSC-118
	Campus Store/Quick Stop	JSC-117
	Disabled Students Program (DSPS)	JSC-108
	EOPS/CARE/CalWORKs	JSC-212
	Financial Aid	JSC-201
	Grab-N-Go	JSC-116
	Guardian Scholars	JSC-215
	Health & Wellness Center	JSC-110
	International Student Program	JSC-208
	Lactation Room	JSC-110
	Reprographics	JSC-120
	(TRiO) SSSP Upward Bound	JSC-209
	Student Business Office	JSC-202
	Student Life	JSC-102
	Student Placement	JSC-203
	The Spot	JSC-101
K	Welding / Auto Diesel	
L	Nealley Library – 1st Floor	
	L Building – 2nd Floor:	
	Assessment Center	L-223
	Career Center	L-222
	Math Study Center	L-204
	MESA Program	L-206
M	Planetarium	
	John Acuña Veterans Resource Center	M-120
N	Music Building	
O	Central Plant	
P	Phillips Hall Theatre	
Q	Sports Concession	
S	Administration Building – First Floor:	
	Admissions / Records	S-101
	Counseling	S-112
	Graduation Office	S-104
	Promise Program	S-110
	PUENTE Program	S-110
	University Transfer Center & Center for Teacher Education	S-110
	Administration Building – 2nd Floor:	
	Community Services Program	S-203
	Foundation	S-201
	Scholarship Program	S-201
	Student Outreach	S-213
SC	Science Center	
T	Technical Arts	
V	Early Childhood Education Center	
	Classroom	V-103
VL	The Village	
	Middle College High School Classrooms	V-300
W	Kinesiology	
X	Security / Safety	
Z	Maintenance	

THE SCHOOL OF CONTINUING EDUCATION

Introduction

The School of Continuing Education offers a variety of courses and programs to meet basic educational goals of adult learners. Programs and services are designed to help adults meet and carry out their immediate social, civic, and economic responsibilities. Courses are offered in the following areas:

- Adult Basic Education
- Career Education
- Citizenship Preparation
- College Success Skills - Counseling
- English as a Second Language
- Health and Safety
- High School Equivalency
- High School Subjects
- Older Adults Program
- Parenting Education
- Substantial Disabilities

Admissions & Registration

Students 18 years of age or older or who have graduated from high school are eligible to enroll in continuing education classes. Students under 18 who have not graduated from high school may be admitted with special approval of their high school district of attendance and a continuing education administrator.

All classes are tuition-free. Enrollment is on a first-come, first-served basis. Unless specifically exempted by statute, every course wherever offered and maintained by the district is fully open to enrollment and participation by any person who has qualified as a continuing education student and meets approved prerequisites when applicable.

Students may register for classes anytime online through the School of Continuing Education website using a laptop or mobile phone. An email address is required to complete online registration.

Continuing Education Websites:

English: sac.edu/sce

Spanish: sac.edu/vamos

Vietnamese: sac.edu/goviet

Students can also register in person at one of our three locations. For hours and directions, visit: sac.edu/scecontact

For assistance, please call 714-241-5700. English, Spanish and Vietnamese speakers are available.

Class Cancellation Policy

Any class that does not have a minimum enrollment of 20 students by the beginning of instruction may be canceled. Classes that do not maintain satisfactory attendance throughout the term may also be subject to cancellation.

General Counseling

The Santa Ana College School of Continuing Education Counseling Department provides personalized guidance to assist students in setting goals and exploring academic and career pathways. Counselors assist students with educational planning, course selection, certificate and program requirements, and transition opportunities to credit programs or the workforce. Orientations and workshops are offered to new and returning students and provide more information on various academic programs and services available in the School of Continuing Education. Our goal is to motivate our students with the information, tools, and confidence needed to achieve their educational and professional aspirations.

For students who are seeking to learn English as a Second Language, improve their job skills, complete a high school diploma or high school equivalency, or explore new career options, counselors are here to guide you by providing the following services:

- Educational and career planning
- Program and certificate guidance
- Transition support to college or workforce
- Referrals to campus and community resources

Parking

No parking fee is required at Centennial Education Center or Remington Education Center. Students enrolling in classes that meet at the Adult Education Center at Santa Ana College's main campus are expected to pay a parking fee for campus parking. The parking regulations for campus can be found on the Safety and Security website at this link: sac.edu/parking

Schedule of Classes

A current schedule of classes can be found anytime on the School of Continuing Education website at: sac.edu/sce

Student ID

Each student may obtain a picture student identification card upon request. Student identification cards are available at Centennial Education Center or Santa Ana College. They can also be requested online. To learn more, visit: sac.edu/sceid

INSTRUCTIONAL CALENDAR - 2026-2027

Fall Semester 2026	
August 10-14	Faculty Projects
August 17	Instruction Begins
September 7	Labor Day – Holiday
November 11	Veterans Day – Holiday
November 26-27	Thanksgiving – Holiday
December 12	Instruction Ends
December 21-27	Holiday Break
Spring Semester 2027	
January 6-8	Faculty Projects
January 11	Instruction Begins
January 18	Martin Luther King Day – Holiday
February 12	Lincoln's Birthday – Holiday
February 15	Washington's Birthday – Holiday
March 31	Farmworkers Day - Holiday
April 5-10	Spring Recess
May 22	Instruction Ends
May 31	Memorial Day – Holiday
June 4	High School Commencement
Summer Session 2027	
May 24	Instruction Begins
June 18	Juneteenth – Holiday (Observed)
July 5	Independence Day – Holiday (Observed)
July 31	Instruction Ends

ACADEMIC PROGRAMS

Adult Basic Education

Provides adult learners the opportunity to build a strong foundation in reading, writing, language, English usage, grammar, mathematics, and communication skills, and to develop practical skills in technology training and employment preparation.

Program Goals

- Teach the basic academic and life skills necessary for success in today's world.
- Provide students with a strong educational foundation that can be used as a basis for employment preparation, entrance into high school subjects, High School Equivalency preparation, and college and vocational programs.

Adult Secondary Education

Adult High School Diploma Program:

Provides all courses necessary to obtain a high school diploma through online, hybrid, and in-person classes, using both traditional and individualized instruction methods.

Program Goals

- Students will learn the essential academic and critical thinking skills necessary to demonstrate proficiency in grammar, reading, writing, math, and social/natural science concepts, while being introduced to coursework that prepares them for transferring to college, entering the workforce, or achieving personal success.

High School Diploma Program in Detail

General Information

Santa Ana College School of Continuing Education offers a comprehensive Adult High School Diploma Program for individuals ready to continue or complete their formal education.

Since 1973, Santa Ana College has proudly supported adults in achieving their educational goals. In 2009, the California Community Colleges Chancellor's Office approved our updated Adult High School Diploma Program, ensuring it meets all state coursework and proficiency standards.

Diplomas are issued by the Rancho Santiago Community College District to students who meet graduation requirements and demonstrate proficiency in basic skills. Graduates are honored each May or June at a traditional commencement ceremony celebrating hundreds of adult learners.

Students may complete their diploma at any time of the year and receive verification upon completion. Courses are offered in online, hybrid, and in-person formats. The in-person classes are provided through open-entry/open-exit individualized learning, offering flexible scheduling to accommodate adult learners.

Elective credits may also be earned through Continuing Education classes as listed in the semester schedule.

Counseling and Guidance

Counselors meet with students and design programs of study on an individual basis so that students desiring a high school diploma can achieve their individual educational goals. For students transferring from other high school or adult programs, counselors send for and evaluate previous transcripts to determine which courses meet the general education requirements and/or elective requirements. Counselors advise students of lifelong learning opportunities and assist students with postsecondary vocational and educational planning for degree or certificate programs at Santa Ana College School of Continuing Education.

These services are offered by a staff of professional counselors who are well informed as to the community resources available for students needing academic, vocational, personal, or financial assistance.

Registration and Evaluation of Transcripts

The Adult High School Diploma Program is available online and at Centennial Education Center and Santa Ana College. Students may obtain a schedule of classes and enroll at any time during the fall, spring, and summer semesters.

Prospective High School students must attend a High School Orientation prior to meeting with a School of Continuing Education Counselor for transcript evaluation and registration for classes. Santa Ana College School of Continuing Education Counselors evaluate transcripts (domestic and foreign) for high school credit. Evaluations are carried out in consultation with the High School Diploma faculty.

High School Graduation Requirements

To qualify for a high school diploma, the candidate must complete the requirements outlined below.

For important information regarding catalog rights, please refer to the Petition for High School Diploma Program Certificate section.

Course of Study

The high school diploma requires a total of 160 credits taken from the following:

SUBJECT AREA	CREDITS
English (Maximum of 10 credits of Reading; must include 5 credits of Composition course)	40.0
Mathematics (Must include 5 credits of Introductory Algebra or any Algebra course determined to be equivalent by discipline faculty)	20.0
Natural Science (Must include a Biological and a Physical Science course)	20.0
Social Science (Must include 10 credits of World History and/or World Geography, 10 credits of U.S. History, 5 credits of Government, and 5 credits of Economics)	30.0
Humanities	10.0
Ethnic Studies (Must include 5 credits from Ethnic Studies or courses determined to be equivalent by discipline faculty)	5.0
Electives (May include other High School courses or courses determined equivalent by discipline faculty)	35.0
Total	**160.0**

Proficiency Requirements

Proficiency must be demonstrated in basic skills areas of reading, mathematics, and composition, according to the categories listed below:

- **READING.** All Rancho Santiago Community College District adult high school graduates will be required to demonstrate an eighth-grade reading ability by passing the Reading Proficiency Requirement. To meet the Reading Proficiency Requirement, students need to pass one of the following exams or equivalent coursework with a "C" or higher from High School in the US.
  - 8.0 on placement test
  - 240 score on CASAS 900R Series
- **MATHEMATICS.** Students will be required to pass the HSS Mathematics Proficiency requirement. To meet the Mathematics Proficiency, students need to complete equivalent coursework.
- **ENGLISH COMPOSITION.** Students will be required to pass the HSS Composition Proficiency requirement. To meet the HSS Composition Proficiency, students need to pass one of the following exams or equivalent coursework.
  - Passed English CAHSEE (Composition requirement met)
  - EMLS 112 at SAC

Residency Requirement

To qualify for the Adult High School Diploma, students must complete a minimum of 20 high school credits of coursework within the Rancho Santiago Community College District Continuing Education Program.

Policies Governing Sources of Credit

There are multiple sources of credit leading to the high school diploma. Sources are as follows:

1. Previous secondary schools
2. Trade or business schools
3. Armed Forces schools and/or programs
4. College credit courses
5. Adult school credit courses
6. Work experience credit
7. Testing
8. Regional Occupational Program courses
9. Other approved sources of credit

A. Previous Secondary Schools

All credits earned in the 9th, 10th, 11th, and 12th grades recorded on an official transcript will be accepted except physical education credits and credits which are a duplication of course work for which credit was previously granted.

B. Trade or Business Schools

Courses taken in trade or business schools will be evaluated for possible high school credit equivalency. Courses in this category must be approved by the Office of Private Postsecondary Education.

It is the responsibility of the student to provide to the district transcripts, certificates, and/or other records requested for the evaluation and possible awarding of credit.

C. Armed Forces Schools and/or Programs

Credit may be granted for completion of training programs (armed services) and other valid educational experiences provided they have been certified by the United States Armed Forces Institute or by a statement on the service record, and provided they parallel 1) courses usually taught in secondary schools, and 2) vocational training courses with counterparts in civilian life.

The recommendations for credit for such programs and experiences are contained in three volumes published by the American Council on Education: The 1978 edition of the GUIDE TO THE EVALUATION OF EDUCATIONAL EXPERIENCES IN THE ARMED SERVICES, Vol. I-Air

Force; Vol. II.-Army; Vol. III-Coast Guard, Marine, and Navy. This section is to be interpreted as including:

- Officer and enlisted service school courses
- Off-duty classes offered by the armed forces and cooperating local institutions
- Correspondence courses offered by the United States Armed Forces Institute, the Marine Corps Institute, the Coast Guard Institute, and cooperating colleges and universities
- United States Armed Forces Institute courses and subject examinations

(Authorization for this procedure is contained in Title V, Section 99, Part C, of the California Administrative Code.)

D. College Credit Courses

College units to be used for high school credits may be evaluated in a ratio of 3 college units to 10 high school semester periods of credit. The college should be notified in writing when college credits are utilized to meet high school requirements.

College credit equivalency recommended by the American Council on Education guides will be evaluated for high school credit on the same basis as other college credit courses.

E. Adult School Credit Courses

Courses taken at adult schools will be evaluated for possible high school credit equivalency. Courses in this category must be approved by the California State Department of Education.

No credit will be allowed for physical education courses nor for courses from other adult schools if such courses are designated in the Rancho Santiago Community College District as “no high school credit.’’

It is the responsibility of the student to provide to the district transcripts, certificates, and/or other records requested for the evaluation and possible awarding of credit.

F. Work Experience Credit

Students may obtain credit for certain types of full-time work experience or for work experience that can be related to high school subject matter.

In order to obtain credit for work experience, students must provide written verification from those employers with whom they have worked for at least one year.

The Continuing Education administrators or counselors will evaluate the amount of work experience credit and the area of application. Evaluation will not be made for more credits than are necessary to meet graduation requirements and which the letters of verification justify.

Verification of work experience should be obtained by the student requesting from each employer, on official letterhead stationery, the following information:

1. Dates of employment.
2. Job description.
3. Nature of duties performed.
4. Statements regarding successful performance.
5. The letter of self-employed students must be accompanied by a copy of the student’s business license or W-2 form.
6. Upon receipt of verification of all work experience which the student wishes to be considered for credit, evaluation will be made on the following basis:

   a. Up to 10 credits will be given for the first year of successful work experience.

   b. Up to 10 additional credits, to a maximum of 40, will be granted for each additional full year of employment if the student has made successful progress each year on the job.

   c. After the initial 10 credits for the first year, the student may earn 5 credits for a period of six months of employment, provided there is evidence of successful progress.

G. Assessment

The district may award a maximum of 80 high school credits on the basis of district approved testing.

H. Subject Matter Credit by Examination

To ensure consistency and fairness, a single standardized challenge option is available to all students regardless of course modality. Eligible students must challenge a course through in-person testing at Centennial Education Center or Santa Ana College high school classrooms.

Permission must be obtained from both a counselor and instructor prior to enrollment, assessment scoring, or course sign-off (unless otherwise specified). Students must achieve a minimum 70% (C) on the approved closed-book evaluation(s) based on prior knowledge. A passing score (70% or higher) becomes the final course grade; retaking the course for a higher grade is not permitted. A failing score (less than 70%) is discarded, requiring completion of the full course.

Students have three weeks to review materials beforehand. All preparation materials must be returned on test day (unless provided online); failure to return them disqualifies the student from testing.

Note: Challenges for residency or concurrent credit are not permitted.

I. Regional Occupational Program Courses

Credit will be determined upon receipt of an official secondary or community college transcript which indicates credit and grades as appropriate.

Guidelines for issuance of ROP credit when not on a unified school district transcript:

- RSCCD will accept an official Grade Reporting Sheet from Central County Regional Occupational Program in lieu of a unified school district transcript provided it has a grade and a number of total hours. The amount of credit issued is to be based on 16 clock hours per credit unit.
- The maximum of 20 units toward electives will be accepted in this manner.
- Students coming from outside the CCROP will have to validate their credits only through an official school district transcript.

J. High School Diploma Elective Credits

High school elective credits may be awarded in the following areas:

Career Education courses.

English as a Second Language (ESL) courses. Five elective High School Subjects credits may be granted upon passing the following courses:

ESL 130	Multilevel English as a Second Language
ESL 303	Intermediate Low
ESL 304	Intermediate High
ESL 305	Advanced Low
ESL 306	Advanced High
ESL 490	Intermediate Writing and Grammar
ESL 491	Advanced Grammar Review and Essay Writing
ESL 520	English for Work 2
ESL 720	ESL Transition to College Class

Adult Basic Education (ABE) courses. Up to 15 HSS elective credits are granted when student successfully completes ABE Reading, ABE Math, and ABE Writing.

K. Articulation Agreements

An articulation agreement between Santa Ana College (credit) and the Santa Ana College School of Continuing Education (noncredit) allows noncredit coursework to be recognized for college credit upon meeting established requirements.

The following courses are eligible for Credit for Prior Learning (CPL). Students who successfully complete the noncredit course may be awarded equivalent college credit at Santa Ana College without having to repeat the course.

These credits are transcripted at Santa Ana College and may be applied toward certificates, degrees, or transfer requirements, as applicable.

Career Education Department

VAUTO 668	Introduction to Automotive Vehicle Systems
VAUTO 669	Introduction to Diesel-Electric Technology
VAUTO 670	Introduction to Preventative Maintenance Inspection
VAUTO 672	Engine Repair
VAUTO 676	Automatic and Manual Transmissions & Transaxles
VAUTO 678	Electrical Fundamentals
VAUTO 680	Introduction to Hybrid/Electric Vehicles
VCNST 101	Introduction to Welding
VDMA 302	Web Design
VDMA 310	Introduction to Digital Media Arts
VDMA 320	Introduction to Drone Pilot Training
VFDM 100	Introduction to the Fashion Industry
VFDM 105	Beginning Sewing
VFOOD 210	ServSafe® Food Protection Manager Certification Exam Preparation, Review, & Practice
VFOOD 220	Introduction to Baking & Pastry
VFPA 009A	Dance Laboratory I
VFPA 009B	Dance Laboratory II
VFPA 107A	Dance Concert Performance I
VFPA 122A	Commercial Dance I
VFPA 122B	Commercial Dance II
VFPA 133A	Musical Theatre Dance Techniques I
VFPA 150A	Rehearsal and Performance in Production
VFPA 150B	Technical Theatre in Production
VFPA 152	Tour Ensemble
VFPA 201A	Ballet I
VFPA 201B	Ballet II
VFPA 204A	Dance Production I
VFPA 206A	Modern Dance I
VFPA 206B	Modern Dance II
VFPA 219A	Jazz Dance I
VFPA 219B	Jazz Dance II
VFPA 240A	Repertory I
VFPA 240B	Repertory II
VFPA 250A	Hip-Hop Dance I
VFPA 250B	Hip-Hop Dance II
VFPA 255	Motion Picture Performance Production
VHLTH 704	Introduction to Biotechnology
VHLTH 705	Introduction to Biotechnology Lab
VHLTH 799	Introduction to Pharmacy Technology
VMFG 680	Basic Machining Concepts and Operations

Contact the School of Continuing Education Counseling Department for further information.

Petition For High School Diploma Program Certificate

A petition for graduation must be completed and submitted soon after the date a student completes the diploma requirements. Students who maintain continuous High School enrollment have the option to meet the certificate requirements as listed in the catalog in effect at the time of first enrollment or any subsequent year. Continuous High School enrollment is defined by earning a grade in a High School continuing education class for at least one course during any semester or session (fall/spring or summer), within that academic year. For the purposes of the catalog, an academic year begins with the fall semester and concludes with the summer session. If a student does not earn a grade on their transcript during any of the semesters, or sessions, during an academic year, then the student is no longer protected by previous diploma/ certificate requirements and will be held to the additional requirements. The student must then reset their catalog rights clock to use the catalog at the time of readmission or subsequent enrollment.

NOTE: Commencement exercises are held once a year at the end of the spring semester for those students who complete the requirements for graduation during the year or the summer session. Students transferring credits to complete the high school diploma must have Official Transcripts from all high schools and/or colleges attended on file in the Admissions and Records office prior to graduation.

Scholarships

In partnership with the Santa Ana College Foundation Scholarship Office, several scholarships are made available to the School of Continuing Education every school year to high school diploma graduates and high school equivalency certificate earners to assist students to continue their college pathways.

The selection committee reviews the applicants' overall qualifications based upon recommendation of teachers and counselors, financial need, academic excellence, attendance, and minimum enrollment standards.

Students must enroll for a minimum of six credits at Santa Ana College to receive their scholarship award if selected.

Minimum Eligibility Requirements:

1. Students who will graduate in the fall or spring semester from Santa Ana College School of Continuing Education High School Program or complete all High School Equivalency exams earning a certificate.
2. For high school diploma students: all high school requirements must be completed, including the three proficiencies, and students must need no more than 20 credits to meet the graduation credit requirements at the time of the scholarship filing date.
3. Complete a minimum of 20 credits in classes within the Rancho Santiago Community College District.
4. A 2.5 GPA or better for all units completed at Rancho Santiago Community College District.

Learn more about Santa Ana College School of Continuing Education scholarship opportunities by contacting the Counseling offices at 714-241-5720 or 714-564-6176.

High School Equivalency Preparation:

Prepares students for the official HiSET or GED subtests in Reading, Writing, Math, Social Studies, and Science. Instruction is provided in English and Spanish. Courses are offered in person and in various online modalities.

College Prep

In-person and online classes which are intended to prepare students for success in college-level academic coursework and/or career education.

Career Education

Provides a blend of technical, academic, and conceptual training to prepare students for direct entry into the workforce and advancement toward higher-level training. Students learn workforce preparation, technical skills, and soft skills. Courses are offered in person and in various online modalities.

Program Goals

- Provide short-term vocational training programs and courses for entry and mid-level positions, as well as courses to upskill current professionals.
- Offer courses and programs that are in demand by industry and incorporate input and feedback from business industry advisory committees and the mandates of occupational licensing agencies.
- Programs implement theory, hands-on training, and employability skills to prepare job seekers for the workforce.
- Prepare students to transition to credit career education programs through articulated courses.

Citizenship Preparation

Provides basic knowledge and preparation for the United States Citizenship process and naturalization interview, including language usage within the context of American history, government, and civics.

Program Goals

- Prepare students for the United States citizenship interview and examination process.
- Teach students about the rights and benefits of becoming U.S. citizens.

College Success Skills - Counseling

Offers academic courses that encourage students to build essential college success skills, develop effective study strategies, and gain knowledge of campus resources and academic expectations. Courses are scheduled to support students' flexible schedules with in-person and online learning modalities. Students can also earn high school elective credits if class is passed successfully.

Counseling courses cover topics such as:

Orientation to College

- Introduces college services and programs.
- Identifies and explores college programs and services.

College Success Skills

- Focuses on college success strategies to prepare for college.
- Explores and identifies personal values, preferred learning modes, educational goals, college etiquette, and time management skills that support educational success as an adult learner.

English as a Second Language (ESL)

Instruction in English from literacy to advanced levels is offered at various locations throughout the district for adults whose primary language is not English. English for Work Pathways, ESL support classes in pronunciation, conversation, writing, and ESL for citizenship are offered.

Program Goals

- Transition ESL students to noncredit programs and career and academic pathways by providing a strong academic foundation and improving English fluency and language skills that support success in adult basic education, high school completion, high school equivalency preparation, college credit, vocational programs, and lifelong learning.
- Develop English language competency, fluency, and understanding of American culture, values, and civic responsibility for non-native adult learners.
- Provide students with resources and services available on campus, in the community, and online to support learning, basic needs, and improved employment opportunities.

Health and Safety Education

Consists of courses specifically designed to offer lifelong education to promote the health, safety and well-being of individuals, families and communities.

Older Adults Program

Consists of courses specifically designed to offer lifelong education that provides opportunities for personal growth and development, community involvement, skills for mental and physical well-being, and economic self-sufficiency.

Program Goals

- Develop music appreciation and strengthen vocal and instrumental skills through structured instruction and guided creative expression.
- Provide instruction in nutrition, consumer awareness, health literacy, and contemporary culinary practices that support informed decision-making and long-term wellness.
- Offer seminar-based courses that promote critical thinking, reflective discussion, and application of knowledge aligned with students' varied interests, cultural backgrounds, and cognitive strengths.
- Build artistic competencies through instruction in diverse media and techniques that enhance fine motor skills, visual literacy, and creative problem-solving.

Parent Education Program

Prepares students for parenting responsibilities from prenatal stages through college preparation.

Program Goals

- Provide a variety of learning opportunities and instruction for prospective parents regarding the intellectual, physical, and emotional components of the birth process.
- Provide theory, methods, and practical applications for rearing children.
- Encourage parents to acquire additional child guidance and decision-making skills that are congruent with their values, children's developmental and educational needs, and society's demands.

Students with Substantial Disabilities

Provides courses to assist developmentally disabled adults with basic academic skills and independent living skills.

STUDENT RESOURCES

Assessment

To meet the requirements of the Workforce Innovation and Opportunity Act (WIOA) grant, the Comprehensive Adult Student Assessment System (CASAS) standardized test is administered to all students in the following programs: Adult Basic Education; English as a Second Language (including Citizenship classes); and High School Diploma. CASAS is administered to measure student learning gains using a pre- and post-test method.

Basic Needs

At Santa Ana College School of Continuing Education, we know students thrive when their basic needs are met. The Basic Needs Office helps students focus on learning by providing food distribution, a snack pantry, one-on-one support, CalFresh application assistance, and connections to the SAC Thrive Center and other community resources. All services are confidential and free. Students are encouraged to visit the office and speak with staff for assistance and support. The Basic Needs Office is located at Centennial Education Center in Room F-101. For assistance, please call 714-241-5804 or email sce_basicneeds@sac.edu.

Career Center

The Career Center provides students with comprehensive support to explore career pathways, develop job readiness skills, and connect with employment opportunities. Services include career counseling, resume and cover letter assistance, interview preparation, job search support, and access to job and internship listings. The Career Center also offers workshops, job fairs, employer events, and resources designed to help students successfully transition from education to the workforce. The Career Center is located at Centennial Education Center in Room F-111. For assistance, please call 714-241-5829 or email scecareercenter@sac.edu

Child Development Center

Child development program centers are available at Centennial Education Center and Santa Ana College. Childcare arrangements may be made by calling 714-241-5739.

Counseling and Guidance

Each School of Continuing Education student is provided with the unique opportunity to benefit from an individualized counseling and guidance program designed to help students improve the quality of their lives.

Students seek counseling for many reasons, including planning educational programs, obtaining information about employment and job skills, resolving personal and family problems, examining aptitudes, interests, and achievement, finding new careers and vocational directions, and learning to cope with cultural differences and life in a new country. Students enrolling in courses leading toward a high school diploma must see a counselor upon registering each term.

Counselors are available on a walk-in basis, by appointment at selected centers, or by virtual appointments. For more information about Counseling Services, email scecounseling@sac.edu or contact:

714-241-5720 - Centennial Education Center (CEC)

714-564-6176 - SAC Adult Education Center (AEC)

Adult Dual Enrollment

The School of Continuing Education Adult Dual Enrollment Program is an opportunity for students to earn tuition-free college credit through Santa Ana College while enrolled with the School of Continuing Education and plan to pursue a High School diploma or High School Equivalency certificate.

Program Eligibility:

- Be at least 17.5 years old
- Enrolled Santa Ana College Continuing Education student pursuing a certificate or diploma
- Do not have a U.S. HS diploma or HS equivalency
- Fluency in the English Language
- Students can seek eligibility and learn more about the process by contacting the School of Continuing Education Counseling Offices to speak to a Counselor at CEC, 714-241-5720 or AEC, 714-564-6176.

Transition to College

Transitioning to college from our noncredit to credit programs is an opportunity for our students to start their college pathways. To help facilitate the process and bridge the transition from noncredit to credit classes at Santa Ana College, counselors can provide the following information and services:

- Adult Dual Enrollment
- Counseling Courses: CNSL 305 Orientation to College and CNSL 307 College Success Skills
- College Certificates and Degree Options
- Online College Application Process
- Financial Aid and Scholarships
- English and Math Placement Information
- Early Decision (Priority Registration)
- Referrals to Student Services
- Santa Ana Campus Tours, College Fairs, and Conferences

Disabled Students Programs and Services

The Disabled Students Program & Services (DSPS) team facilitates access to educational courses and programs, while also nurturing independence, self-advocacy, and inclusion for students with verified disabilities. DSPS is also committed to collaboratively supporting staff and faculty in fostering inclusive learning environments for students at Santa Ana College and the School of Continuing Education.

DSPS serves as a partner for students to ensure opportunities to participate in, and benefit from, college programs, services, and activities. Whether students are experiencing impacts of physical, mental, or other disabilities, DSPS works to individualize support for each student. Based upon students' experiences, DSPS supports may include disability and academic counseling, reasonable accommodations, and advocacy for eligible students with disabilities.

Recognizing students experience learning challenges, but disability documentation may not be available, the DSPS team encourages reaching out to discuss potential options for support. Student experiences matter. DSPS can be a partner on the academic journey.

For more information about our services, or to schedule an appointment, students may visit the DSPS office in Johnson Student Center, JSC-108, call (714) 564-6295, video phone (657) 235-2999, email DSPS@sac.edu, or visit our webpage at: www.sac.edu/dsps

Student Welcome Center

The center serves as a resource hub for students, offering a wide range of services including:

- basic technical assistance
- general school information
- access to SAC student resources and community supports

The Student Welcome Center is located at Centennial Education Center in Rooms F-101/F-102. The virtual student welcome center can be accessed at: sac.edu/scewelcome

24/7 Technical Support

Continuing Education students have access to 24/7 technology support provided in English and Spanish. To access, please call: 714-480-7407

POLICIES GOVERNING STUDENTS

A. Attendance

A student may be dropped from the roster and required to re-enroll upon returning if the following absences occur:

1. Not participating in class during the first week of instruction.
2. Missing 4 or more class meetings.
3. Being absent from class for two weeks or more.

Note: Some courses may have different attendance requirements. Please refer to program guidelines.

B. Grading Standards/Procedures

A	Superior
B	Above Average
C	Average
D	Less Than Satisfactory
F	Fail
P	Pass
SP	Satisfactory Progress
NP	No Measurable Progress
COM	Completed
CIP	In Progress

C. Procedures for Student Complaints Regarding Grades

1. Education Code 76224 states: “When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor for the course; and the determination of the student’s grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetence, shall be final.’’

2. Procedure

a. Student shall meet with instructor to discuss grade.

b. If the issue is not resolved, and the student believes that the grade is based on mistake, fraud, bad faith or incompetency (EC 76224), an appeal in writing may be made to the Division Dean. Forms of written appeal may be found in the office of the appropriate Dean of Instruction and Student Services.

c. The student may be requested to set up an appointment with the Dean of Instruction and Student Services to discuss the written complaint.

d. The Dean of Instruction and Student Services will review the allegations and may consult with the instructor.

e. The Dean of Instruction and Student Services will review the issue and will notify the student and instructor in writing of the decision.

f. The decision of the Dean of Instruction and Student Services is final.

D. Complaint Procedures for Students

Students may file a complaint when they believe they have been deprived of a right granted to students by the Board of Trustees in any of the policies or regulations of the Rancho Santiago Community College District.

The purpose of these complaint procedures is to resolve differences as fairly and expeditiously as possible while preserving the rights of students and staff members.

1. Definitions

Days: number of days refers to the days when the district offices are open.

2. Procedure

a. Students shall first confer with the staff member who took action or made the ruling to which they object no later than ten days following the event which prompted the complaint.

b. The Area Dean of Instruction and Student Services or designee will assist the student in arranging an appointment with the staff member.

c. If the difference is not satisfactorily resolved, the student shall confer with the staff member’s supervisor.

d. The Area Dean of Instruction and Student Services or designee will assist the student and staff member’s supervisor.

e. If the complaint is unresolved, the student may file a written statement setting forth the nature of the complaint on the prescribed form with the Area Dean of Instruction and Student Services no later than ten days after conferring with the staff member’s supervisor.

f. The complaint shall be submitted in writing to the Vice President of the School of Continuing Education and shall include a full description of the complaint, times, dates and pertinent facts, and the remedy sought by the student.

g. If no resolution of the complaint is obtained under (f), the Vice President shall forward the complaint together with findings to the President of Santa Ana College for review and decision.

h. If this decision does not resolve the complaint in the opinion of the student, the President shall present the case to the Board of Trustees with the findings and recommendations. If the Board finds that the complaint is invalid, the President’s recommendation shall stand in final resolution. If the Board finds that the complaint is valid, it shall instruct the President as to how the complaint shall be resolved, and the President shall implement the Board’s decision.

E. Modification of Program of Study

Students may use a modification of program of study to waive or substitute courses required for their certificate program. A course may be waived if it has not been offered in recent semesters at Santa Ana College School of Continuing Education. Substituting a course may be granted for coursework that similarly satisfies the program requirements from Santa Ana College School of Continuing Education or outside regionally accredited colleges and universities. Students must complete the Modification of Program of Study form through Admissions and Records requiring Department Chair/Discipline Lead approval.

F. Special Rules, Regulations and Student Obligations

Because of special program characteristics, the noncredit programs must adhere to special rules, regulations, and student obligation beyond the STANDARD GUIDELINES FOR STUDENT CONDUCT adopted by the Rancho Santiago Community College District. Students enrolled in any of the following programs are obligated to perform within those special program guidelines in order to maintain class attendance: Apprenticeship; Service-Employment-Redevelopment (SER); and any other community-based organization or governmental agency with which the Rancho Santiago Community College District cooperates in a program offering.

G. Family Educational Rights and Privacy (FERPA)

In accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA) and applicable California regulations, the Rancho Santiago Community College District may release certain directory information about a student without the student's prior written consent.

Directory information may include:

- Student name
- City of residence
- Major field of study
- Participation in officially recognized activities and sports
- Weight, height, and age of members of athletic teams
- Dates of attendance
- Degrees and awards received
- The most recent previous educational institution attended

Students have the right to request that the District withhold the release of directory information by submitting a written request to the Admissions and Records Office.

In addition, students may authorize the release of their educational records to a third party by submitting a FERPA Release of Records Permission form to the Admissions and Records Office.

H. Right to Review and Challenge Records

In accordance with the Family Educational Rights and Privacy Act (FERPA), students have the right to inspect and review records that directly relate to them, including:

1. admissions/records
2. data processing
3. financial aid
4. placement
5. veterans
6. division/department records, if maintained as official files

Students who wish to inspect and review their records or challenge any information they believe to be inaccurate, misleading, or otherwise in violation of their rights of privacy or other rights should contact Admissions and Records.

I. Use of Public School Facilities for Adult Classes

Alcoholic Beverages and Controlled Substances: Both by policies instituted by local Boards of Education (Garden Grove Unified School District, Orange Unified School District, Rancho Santiago Community College District and Santa Ana Unified School District) and California State Law specifically prohibit possession of alcoholic beverages and controlled substances on school premises at any time, by any person, regardless of age. Regulations also prohibit use of alcoholic beverages at school events, whether on or off the campus, or the appearance at school events while under the influence of alcoholic beverages and/or controlled substances. The penalty for violation of these regulations is immediate suspension from school, followed by expulsion, if imposed by the Board of Trustees. Additional penalties may be imposed by law enforcement agencies.

Smoking: Provisions of the Uniform Fire Code, Article 29, Section 29.06, Smoking Activity on School Property, state: "It shall be unlawful for any person or persons to engage in any smoking activity or to possess any flaming or glowing object or cause to be lighted any substance in any classroom or on school property at any time except in areas authorized by the local Board of Education.'' The only areas authorized for smoking are outside the school buildings. There is to be NO SMOKING by anyone in any of the classrooms at any time. Proper containers are provided in the smoking areas for disposal of cigarettes.

Food and Beverages: Food and beverages are not to be brought into the classrooms at any time. Proper containers are provided for disposal of trash in designated areas.

CERTIFICATE PROGRAMS

The School of Continuing Education offers noncredit certificate programs approved by the California Community Colleges Chancellor's Office. These certificate programs consist of sequences of courses that help adult learners achieve academic, career, and language goals. Certificate programs prepare students for further education, employment, and career advancement.

Noncredit certificate programs are organized by subject in the following pages. Each certificate program includes a description, learning outcomes, and the required courses for completion. Detailed course descriptions are provided in the Noncredit Courses section. Current course offerings are available in the online searchable schedule.

Some courses are offered in an Open Entry/Open Exit format, as identified in the course descriptions. Students may enroll in these competency-based courses at various times, progress at their own pace, and complete the course upon satisfactory demonstration of the required competencies.

All other courses follow a scheduled term and require students to enroll and complete the course within the published start and end dates.

The lecture and/or laboratory hours listed for each course represent the total instructional hours approved for the course.

Any course with credits listed awards high school credits rather than college units.

Noncredit Certificates	Page
Adult Basic Education: *Certificate of Competency*	410
Adult Basic Education/Adult Secondary Education Math Proficiency: *Certificate of Competency*	410
Adult Basic Education/Adult Secondary Education Reading Proficiency: *Certificate of Competency*	410
Adult Basic Education/Adult Secondary Education Writing Proficiency: *Certificate of Competency*	411
21st Century Leadership: *Certificate of Competency*	411
Career & Professional Success: *Certificate of Competency*	411
Leadership Capstone: *Certificate of Competency*	411
Spanish Literacy Core Capstone: *Certificate of Competency*	411
High School Diploma: High School Diploma	412
College Readiness: *Certificate of Competency*	413
Secondary Education (High School Equivalency Test Preparation): *Certificate of Competency*	413
Transition to College: *Certificate of Competency*	414
Care Nursing Assistant: Certificate of Completion	414
Bus Operator/Driver: *Certificate of Completion*	414
Certified Global Business Professional (CGBP) Exam Preparation & Practice: *Certificate of Completion*	414
Childcare Workers: *Certificate of Completion*	415
Customer Service Representative: *Certificate of Completion*	415
Digital Literacy for Office and Administrative Support Worker: *Certificate of Completion*	415
Foundation of Commercial Dance - Level 1: *Certificate of Completion*	416
Foundation of Commercial Dance - Level 2: *Certificate of Completion*	416
General Office Clerk: *Certificate of Completion*	417
Heating/Ventilation/Air Conditioning/Refrigeration (HVAC-R) Technology: *Certificate of Completion*	417
Hospitality Services: *Certificate of Completion*	417
Human Resources Assistant: *Certificate of Completion*	417
Information Technology (IT) Basics: *Certificate of Completion*	418
Introduction to Automotive Technology: *Certificate of Completion*	418

Noncredit Certificates	Page
Introduction to Automotive Technology Systems & Engines: *Certificate of Completion*	418
Introduction to Automotive Technology Systems, Engines, & Transmissions: *Certificate of Completion*	419
Introduction to Baking & Pastry Tier 1: *Certificate of Completion*	419
Introduction to Baking & Pastry Tier 2: *Certificate of Completion*	420
Introduction to Biotechnology: *Certificate of Completion*	420
Introduction to Diesel-Electric Technology: *Certificate of Completion*	420
Introduction to Digital Media: *Certificate of Completion*	421
Introduction to Drone Pilot: *Certificate of Completion*	421
Introduction to Electric and Hybrid Vehicles: *Certificate of Completion*	421
Introduction to Fashion Design & Merchandising: *Certificate of Completion*	422
Introduction to Information Technology (IT): *Certificate of Completion*	422
Introduction to Machining: *Certificate of Completion*	422
Introduction to Pharmacy Technology: *Certificate of Completion*	423
Introduction to Small Business and Entrepreneurship: *Certificate of Completion*	423
Introduction to Theatre Arts: *Certificate of Completion*	423
Introduction to Welding Technology: *Certificate of Completion*	423
Line Cook: *Certificate of Completion*	424
Mental Health and Wellness Career Pathways: *Certificate of Completion*	424
Nursing Assistant: *Certificate of Completion*	424
Personal Caregiver/Care Aide: *Certificate of Completion*	425
QuickBooks - Tier 1: *Certificate of Completion*	425
QuickBooks - Tier 2: *Certificate of Completion*	425
Secretary/Administrative Assistant: *Certificate of Completion*	425
Vocational Construction Technology: *Certificate of Completion*	426
ENGLISH AS A SECOND LANGUAGE	
ESL Core Capstone: *Certificate of Competency*	426
ESL Core Literacy: *Certificate of Competency*	426
ESL Core Beginning: *Certificate of Competency*	426
ESL Core Intermediate: *Certificate of Competency*	426
ESL Core Advanced: *Certificate of Competency*	427
ESL Enhanced Civics: *Certificate of Competency*	427
English for Work: *Certificate of Competency*	427
Enhanced English for Work: *Certificate of Competency*	427
ESL Enhanced Speaking Capstone: *Certificate of Competency*	427
ESL Enhanced Writing Capstone: *Certificate of Competency*	427
ESL Grammar for Better Writing: *Certificate of Competency*	428
ESL Writing and Developing a School Publication: *Certificate of Competency*	428
Digital Literacy for Academic and Professional Success I: *Certificate of Competency*	428
Digital Literacy for Academic and Professional Success II: *Certificate of Competency*	428
ESL Transition to Adult Secondary Education (ASE): *Certificate of Competency*	428
ESL College Reading and Writing: *Certificate of Competency*	429

NONCREDIT CERTIFICATES
ADULT BASIC EDUCATION

Adult Basic Education: Certificate of Competency (Noncredit)

Program Code: CEC.ABE.COM

Program Control Number: 33189

This certificate provides instruction for students to develop basic reading, writing, math, and general soft skills necessary to succeed in High School Diploma, High School Equivalency Preparation, CTE, and college courses. This certificate will provide valuable data on student success as ABE students transfer through programs. This certificate supports the college's mission by providing a pathway to support improved language skills and lifelong intellectual pursuits.

Learning Outcome(s):

1. Write complete sentences that demonstrate proficiency with grammar, mechanics, and usage
2. Produce a basic project presentation that demonstrates effective math, reading, writing, financial, or speaking skills

Students must complete and pass ONE of the following courses:		*36.0-72.0*
ABE 023	Adult Basic Education Reading	36.0-72.0
ABE 024	Adult Basic Education Writing	36.0-72.0
ABE 025	Adult Basic Education Math	36.0-72.0
ABE 010	Money Matters: Financial Literacy	36.0-72.0
ABE 036	Effective Writing for the Workplace	36.0-72.0
Students must complete and pass ONE of the following courses:		*36.0-72.0*
ABE 044	Leadership Basics Part 1	36.0-72.0
HSS 090	Leadership Basics, Part 1	72.0
ABE 018	Leadership Basics, Part 2	36.0-72.0
HSS 092	Leadership Basics, Part 2	72.0
ABE 046	Attitudes for Success	36.0-72.0
		Total: 72.0-144.0

Adult Basic Education/Adult Secondary Education Math Proficiency: Certificate of Competency (Noncredit)

Program Code: CEC.ABEM.COM

Program Control Number: 33188

This combination of courses is designed to prepare students for higher-level math skills used in High School Diploma, High School Equivalency Preparation, and CTE courses.

Learning Outcome(s):

1. Evaluate and perform order of operations on simple arithmetic expressions
2. Apply knowledge of basic math addition, subtraction, multiplication, and division to whole numbers and fractions

Students must complete and pass ONE of the following courses:		*36.0-72.0*
ABE 025	Adult Basic Education Math	36.0-72.0
HSMTH 151	Principles of Mathematics	72.0
HSMTH 158	Math Fundamentals 1	72.0
Students must complete and pass ONE of the following courses:		*72.0-96.0*
HSS 037	High School Equivalency Test Preparatio -Mathematics	72.0-96.0
HSMTH 152	Pre-Algebra	72.0
LRN 164	Introductory Algebra	72.0
		Total: 108.0-168.0

Adult Basic Education/Adult Secondary Education Reading Proficiency: Certificate of Competency (Noncredit)

Program Code: CEC.ABER.COM

Program Control Number: 33452

This combination of courses is designed to prepare students for higher-level reading skills used in High School Diploma, High School Equivalency Preparation, and CTE courses.

Learning Outcome(s):

1. Determine the main idea and details of a level-appropriate passage
2. Draw correct inferences after reading a level-appropriate passage

Students must complete and pass ONE of the following courses:		*36.0-96.0*
ABE 023	Adult Basic Education Reading	36.0-72.0
HSRDG 089	Reading Proficiency Development	72.0
HSS 031	High School Equivalency Test Preparation	72.0-96.0
Students must complete and pass ONE of the following courses:		*72.0-96.0*
HSRDG 093	Building Reading Skills 1	72.0
HSS 035	High School Equivalency Test Preparation - Reading	72.0-96.0
		Total: 108.0-192.0

Adult Basic Education/Adult Secondary Education Writing Proficiency: Certificate of Competency (Noncredit)

Program Code: CEC.ABEW.COM

Program Control Number: 33187

This combination of courses is designed to prepare students for higher level writing skills used in High School Diploma, High School Equivalency Preparation, and CTE courses.

Learning Outcome(s):

1. Write a well-organized paragraph using correct English writing conventions
2. Write clear sentences that demonstrate proficiency with grammar, mechanics, and usage

Students must complete and pass ONE of the following courses:		*36.0-96.0*
ABE 024	Adult Basic Education Writing	36.0-72.0
ABE 036	Effective Writing for the Workplace	36.0-72.0
HSENG 083	Composition 1	72.0
HSS 031	High School Equivalency Test Preparation	72.0-96.0
Students must complete and pass ONE of the following courses:		*72.0-96.0*
HSENG 084	Composition 2	72.0
HSS 036	High School Equivalency Test Preparation - Writing	72.0-96.0
		Total: 108.0-192.0

21st Century Leadership: Certificate of Competency (Noncredit)

Program Code: CEC.21CL.COM

Program Control Number: 40473

This certificate will prepare students with an understanding of the necessary 21st Century leadership, digital literacy, and computer skills that they need to be successful in their workplace, school, and communities.

Learning Outcome(s):

1. Create an effective and time-efficient weekly schedule
2. Recognize and employ basic components of computers and/or mobile devices in order to accomplish specific tasks

Students must complete and pass ONE of the following courses		*36.0-72.0*
ABE 044	Leadership Basics Part 1	36.0-72.0
HSS 090	Leadership Basics, Part 1	72.0
Students must complete and pass ONE of the following courses:		*36.0-72.0*
ABE 018	Leadership Basics, Part 2	36.0-72.0
HSS 092	Leadership Basics, Part 2	72.0
Students must complete and pass ONE of the following courses:		*12.0-45.0*
VBUS 123	Introduction to Computer Software & Online Applications	12.0-36.0
VBUS 124	Introduction to Keyboarding I	32.0
VBUS 125	Introduction to Keyboarding II	45.0
VBUS 240	Practical Computer & Internet Skills for Parents & Guardians	12.0-24.0
VBUS 500	Digital Literacy for Academic and Professional Success - Tier 1	36.0
VBUS 501	Digital Literacy for Academic and Professional Success - Tier 2	36.0
VBUS 502	Digital Literacy for Academic and Professional Success - Tier 3	36.0
VBUS 503	Digital Literacy for Real World Application – Tier 4	36.0
		Total: 84.0-189.0

Career & Professional Success: Certificate of Competency (Noncredit)

Program Code: CEC.CPS.COM

Program Control Number: 40541

This certificate is designed to equip students with the ability to manage or improve many workplace issues that will lead to productivity. Student will have the opportunity to develop and practice the power of writing and computer skills they need to be effective on a daily basis in the workplace. When combined with industry knowledge and behaviors, the mastery of these skills results in higher levels of individual performance and growth. This certificate program is highly recommended for students who are currently in the workforce.

Learning Outcome(s):

1. Navigate workplace issues that lead to improved workplace productivity
2. Write concise and clearly

Students must complete and pass ONE of the following courses:		*36.0-96.0*
ABE 024	Adult Basic Education Writing	36.0-72.0
ABE 036	Effective Writing for the Workplace	36.0-72.0
HSS 036	High School Equivalency Test Preparation - Writing	72.0-96.0
Students must complete and pass ONE of the following courses:		*12.0-60.0*
VBUS 123	Introduction to Computer Software & Online Applications	12.0-36.0
VBUS 124	Introduction to Keyboarding I	60.0
VBUS 125	Introduction to Keyboarding II	60.0
VBUS 402	Workforce Power Skills	12.0-24.0
		Total: 48.0-156.0

Leadership Capstone: Certificate of Competency (Noncredit)

Program Code: CEC.LEADC.COM

Program Control Number: 38177

This combination of courses is designed to provide students with the leadership techniques necessary to make effective changes in their workplace, home, school, and community.

Learning Outcome(s):

1. Communicate within small, medium, and large groups to express opinions, ideas, and suggestions
2. Develop leadership skills and strategies to use in personal, academic, and workplace settings

Choose 1:		*36.0–72.0*
ABE 044	Leadership Basics Part 1	36.0-72.0
HSS 090	Leadership Basics, Part 1	72.0
Choose 1:		*36.0–72.0*
ABE 018	Leadership Basics, Part 2	36.0-72.0
HSS 092	Leadership Basics, Part 2	72.0
		Total: 72.0–144.0

Spanish Literacy Core Capstone: Certificate of Competency (Noncredit)

Program Code: CEC.ABESL.COM

Program Control Number: 38623

This combination of courses is designed to prepare students in the areas of reading, writing, math, science, and social studies up to a middle school level to facilitate student transition to ESL, ABE, High School Diploma, High School Equivalency, and CTE courses. The classes are taught in Spanish.

Learning Outcome(s):

1. Write a formal essay using Spanish writing conventions
2. Apply knowledge of math skills, including tables and graphics to math problems

Core Requirements:		*160.0-320.0*
ABE 112	Beginning Spanish Literacy	80.0-160.0
ABE 113	Intermediate Spanish Literacy	80.0-160.0
ABE 114	Advanced Spanish Literacy	80.0-160.0
		Total: 160.0-320.0

ADULT SECONDARY EDUCATION

High School Diploma: High School Diploma

Program Code: CEC.HSS.DIPL

Program Control Number: 31594

The sequence of courses in the High School Subjects, Adult Education, and Learning Support programs is designated to provide a strong foundation of basic skills ranging from elementary levels through secondary subjects, with the purpose of preparing students to earn a high school diploma, obtain employment, pursue vocational training and better job opportunities, and to be prepared to continue into college credit level programs.

Learning Outcome(s):

1. The Adult Secondary Education (ASE) High School Diploma program consists of courses to help students demonstrate the ability to apply essential grammar, reading, writing, math, and social/natural science concepts when transferring to college, entering the workforce, or for personal success. This program is especially useful for students who have some secondary education experience and are seeking a High School Diploma.

ENGLISH - Forty (40) high school credits *(Maximum of 10 credits of Reading; must include 5 credits of Composition course)* **576.0**

HSRDG 089	Reading Proficiency Development	72.0
HSRDG 093	Building Reading Skills 1	72.0
HSENG 096	Building Vocabulary 1	72.0
HSENG 097	Building Vocabulary 2	72.0
HSENG 065	English Fundamentals 1	72.0
HSENG 066	English Fundamentals 2	72.0
HSENG 067	English Fundamentals 3	72.0
HSENG 068	English Fundamentals 4	72.0
HSENG 701	English 1	72.0
HSENG 702	English 2	72.0
HSENG 703	English 3	72.0
HSENG 704	English 4	72.0
HSENG 705	English 5	72.0
HSENG 706	English 6	72.0
HSENG 707	English 7	72.0
HSENG 708	English 8	72.0
HSENG 083	Composition 1	72.0
HSENG 084	Composition 2	72.0
LRN 084	Composition 2	72.0
LRN 750	Intensive Writing and Grammar	72.0

MATHEMATICS - Twenty (20) high school credits *(Must include 5 credits of Introductory Algebra or any Algebra course determined to be equivalent by discipline faculty)* **288.0**

LRN 165	College Algebra Prep	72.0
LRN 164	Introductory Algebra	72.0
HSMTH 151	Principles of Mathematics	72.0
HSMTH 152	Pre-Algebra	72.0
HSMTH 154	Pre-Algebra A	72.0
HSMTH 155	Pre-Algebra B	72.0
HSMTH 158	Math Fundamentals 1	72.0
HSMTH 163	Algebra 1A	72.0
HSMTH 164	Algebra 1B	72.0
HSMTH 165	Algebra 2A	72.0
HSMTH 166	Algebra 2B	72.0
HSMTH 167	Geometry A	72.0
HSMTH 168	Geometry B	72.0
HSMTH 172	Basic Consumer Math 1A	72.0
HSMTH 173	Basic Consumer Math 1B	72.0
HSMTH 190	Math for College and Career Readiness	72.0

Natural Science- Twenty (20) high school credits *(Must include a Biological and a Physical Science course)* **288.0**

HSSCI 192	Basic Science 1	72.0
HSSCI 190	Physical Science 1	72.0
HSSCI 191	Physical Science 2	72.0
HSSCI 188	Earth Science 1	72.0
HSSCI 185	Earth Science 2	72.0
HSSCI 170	Biology 1A	72.0
HSSCI 171	Biology 1B	72.0
HSSCI 196	Health Science	72.0
HSSCI 166	Introduction to Healthcare Sciences	72.0
HSSCI 172	Environmental Science 1	72.0
HSSCI 173	Environmental Science 2	72.0

SOCIAL SCIENCE- Thirty (30) high school credits *(Must include 10 credits of World History and/or World Geography, 10 credits of U.S. History, 5 credits of Government, and 5 credits of Economics)* **432.0**

HSSOC 215	Introduction to Economics	72.0
HSSOC 218	U.S. History 1: Colonization to Industrialization	72.0
HSSOC 219	U.S. History 2: Shaping of Modern America	72.0
HSSOC 222	Government 1: U.S. Federal Government and Politics	72.0
HSSOC 224	World Geography 1A	72.0
HSSOC 225	World Geography 1B	72.0
HSSOC 228	World History	72.0
HSSOC 231	Modern World History 1	72.0
HSSOC 232	Modern World History 2	72.0
HSSOC 221	Psychology	72.0

HUMANITIES - Ten (10) high school credits **144.0**

HSART 601	Music Theory 1	72.0
HSART 828	Understanding America Through Art	72.0
HSART 837	The Film As Art	72.0
HSOTH 740	Spanish 1	72.0
HSOTH 742	Spanish 2	72.0
HSOTH 743	Spanish 3	72.0
HSOTH 744	Spanish 4	72.0
HSOTH 640	Vietnamese 1	72.0

ETHNIC STUDIES - Five (5) credits *(Must include 5 credits from Ethnic Studies or courses determined to be equivalent by discipline faculty)* **72.0**

HSSOC 226	Ethnic Studies	72.0

ELECTIVES - Thirty-five (35) high school credits *(May include other High School courses or courses determined equivalent by discipline faculty)* **91.0-1648.0**

ABE 010	Money Matters: Financial Literacy	36.0-72.0
ABE 018	Leadership Basics, Part 2	36.0-72.0
ABE 023	Adult Basic Education Reading	36.0-72.0
ABE 024	Adult Basic Education Writing	36.0-72.0
ABE 025	Adult Basic Education Math	36.0-72.0
ABE 027	Academic Vocabulary for Language Arts	15.0
ABE 028	Academic Vocabulary for Math	15.0
ABE 029	Academic Vocabulary for Science	15.0
ABE 030	Academic Vocabulary for Social Studies	15.0
ABE 031	Academic Vocabulary for Technology	15.0
ABE 036	Effective Writing for the Workplace	36.0-72.0
ABE 044	Leadership Basics Part 1	36.0-72.0
ABE 046	Attitudes for Success	36.0-72.0
ABE 111	Spanish Literacy for Adults	240.0-480.0
ABE 112	Beginning Spanish Literacy	80.0-160.0
ABE 113	Intermediate Spanish Literacy	80.0-160.0
ABE 114	Advanced Spanish Literacy	80.0-160.0
CNSL 305	Orientation to College	8.0
HSS 090	Leadership Basics, Part 1	72.0
HSS 092	Leadership Basics, Part 2	72.0
HSS 221	Study Skills 1	72.0
HSS 222	Study Skills 2	72.0

LRN 095	Supervised Tutoring	72.0
VAUTO 668	Introduction to Automotive Vehicle Systems	72.0
VAUTO 670	Introduction to Preventative Maintenance Inspection	144.0
VAUTO 672	Engine Repair	144.0
VAUTO 676	Automatic and Manual Transmissions & Transaxles	144.0
VBUS 035	Generative AI for Small Business	60.0
VBUS 118	Microsoft Windows Overview	60.0
VBUS 124	Introduction to Keyboarding I	60.0
VBUS 125	Introduction to Keyboarding II	60.0
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 244	Introduction to Microsoft Access	60.0
VBUS 245	Introduction to Microsoft Publisher	60.0
VBUS 258	Navigating the Internet	36.0
VBUS 259	Orientation to Computers	60.0
VBUS 260	Introduction to Microsoft Word	60.0
VBUS 262	MS Excel	60.0
VBUS 270	Introduction to Microsoft Outlook	60.0
VBUS 280	Accounting Terminology	36.0
VBUS 281	Introduction to Quickbooks	36.0
VBUS 290	Business Terminology	36.0
VBUS 303	Adobe Photoshop	60.0
VBUS 304	MS PowerPoint	60.0
VBUS 400	Employability Skills	72.0
VBUS 450	Basic Computer Repair & COMPTIA A+ Certification Preparation	108.0
VBUS 500	Digital Literacy for Academic and Professional Success - Tier 1	36.0
VBUS 501	Digital Literacy for Academic and Professional Success - Tier 2	36.0
VBUS 502	Digital Literacy for Academic and Professional Success - Tier 3	36.0
VBUS 503	Digital Literacy for Real World Application – Tier 4	36.0
VBUS 559	Business Practices in Family Child Care	36.0
VBUS 570	Information Technology (IT) Basics Tier 1	60.0
VBUS 572	Information Technology (IT) Basics Tier 2	60.0
VBUS 576	Systems and Networking Essentials	108.0
VBUS 590	Introduction to How to Start a Small Business	72.0
VCNST 101	Introduction to Welding	126.0
VCNST 610	Vocational Construction Technology Module I	60.0-200.0
VCNST 620	Vocational Construction Technology Module II	60.0-200.0
VCNST 630	Heating/Ventilation/Air Conditioning/Refrigeration (HVAC-R) Technology	288.0
VDMA 310	Introduction to Digital Media Arts	72.0
VFDM 100	Introduction to the Fashion Industry	54.0
VFDM 105	Beginning Sewing	90.0
VFOOD 005	ServSafe® Food Handler	8.0-36.0
VFOOD 200	Line Cook Training	60.0
VFOOD 210	ServSafe® Food Protection Manager Certification Exam Preparation, Review, & Practice	36.0
VFOOD 212	Baking & Pastry Basics	24.0
VFOOD 214	Introduction to Bread Making	24.0
VFOOD 216	Introduction to Cakes and Decorating	36.0
VFOOD 220	Introduction to Baking & Pastry	90.0
VHLTH 102	Certified Nursing Assistant (CNA) Training - Theory	60.0-110.0
VHLTH 109	Personal Caregiver/Care Aide-Theory	40.0
VHLTH 110	Personal Caregiver/Care Aide-Skills Lab	24.0
VHLTH 799	Introduction to Pharmacy Technology	36.0
VHOSP 201	Career Focus - Hospitality Services	60.0
VMFG 680	Basic Machining Concepts and Operations	144.0
		Total: 1891.0-3448.0

College Readiness: Certificate of Competency (Noncredit)

Program Code: CEC.CR.COM

Program Control Number: 40783

This certificate program is designed for students to learn new and/or improve their digital literacy skills. It covers internet safety, online conferencing, blogging, learning management systems, online portfolios, and more. Upon completing this program, students will have developed the technical knowledge, language and/or math skills, and confidence needed for social and academic growth with the digital literacy to make a successful transition to Career and Academic Pathways in college.

Learning Outcome(s):

1. Upon completing this program, students will have developed the technical knowledge, language and/or math skills, and confidence needed for social and academic growth with the digital literacy to make a successful transition to Career and Academic Pathways in college.

Core Requirement (Choose 1)		*72.0*
LRN 084	Composition 2	72.0
LRN 164	Introductory Algebra	72.0
LRN 750	Intensive Writing and Grammar	72.0
Students must pass ONE of the following two courses:		*36.0*
VBUS 502	Digital Literacy for Academic and Professional Success - Tier 3	36.0
VBUS 503	Digital Literacy for Real World Application – Tier 4	36.0
		Total: 108.0

Secondary Education (High School Equivalency Test Preparation): Certificate of Competency (Noncredit)

Program Code: CEC.GEDC.COM

Program Control Number: 24264

These courses will help students successfully prepare for the higher-level reading, writing, math, science, and social studies skills necessary to pass the High School Equivalency exams (GED and HiSET). The High School Equivalency Certificate is especially useful for students who are seeking to enter college or the workforce.

Learning Outcome(s):

1. The Secondary Education (High School Equivalency Test Preparation) Certificate of Competency in the program consists of courses to help students successfully prepare for the higher-level reading, writing, math, science, and social studies skills necessary to pass the High School Equivalency exams (GED and HiSET). This program is especially useful for students who are seeking to enter college or the workforce.

Students must pass TWO of the following courses.		*144.0–456.0*
HSS 031	High School Equivalency Test Preparation	72.0-96.0
HSGED 031	GED Test Preparation	360.0
HSS 035	High School Equivalency Test Preparation - Reading	72.0-96.0
HSS 036	High School Equivalency Test Preparation - Writing	72.0-96.0
HSS 037	High School Equivalency Test Preparation - Mathematics	72.0-96.0
HSS 038	High School Equivalency Test Preparation - Social Studies	72.0-96.0
HSS 039	High School Equivalency Test Preparation - Science	72.0-96.0
		Total: 144.0–456.0

Transition to College: Certificate of Competency (Noncredit)
Program Code: CEC.TRANS.COM
Program Control Number: 35217

The Transition to College certificate consists of courses to help students successfully prepare to progress in a career path or undertake degree applicable or non-degree-applicable credit courses in addition to preparing student with an orientation to college course.

Learning Outcome(s):

1. The Transition to College certificate consists of courses to help students successfully prepare to progress in a career path or undertake degree-applicable or non-degree-applicable credit courses in addition to preparing student with an orientation to college course. This program is especially useful for students who want to transition to the community college setting.

Core Requirements:		*8.0*
HSS 770	Orientation to College	8.0
Core Requirement (Choose 1):		*72.0*
HSENG 084	Composition 2	72.0
HSMTH 164	Algebra 1B	72.0
HSRDG 089	Reading Proficiency Development	72.0
		Total: 80.0

CAREER EDUCATION

Acute Care Nursing Assistant: Certificate of Completion (Noncredit)
Program Code: CEC.ACNA.CC
Program Control Number: 45803

The Acute Care Nursing Assistant Certificate is designed to provide students with the theoretical knowledge, skills, and clinical knowledge to prepare for the role of a Certified Nursing Assistant (CNA) in an acute care setting. Students will learn to be part of a healthcare team in an acute care setting, under the supervision of a nurse. The curriculum is based on essential topics needed for a CNA to be successful in an acute care setting. In addition, students learn soft skills (VBUS 402) or language skills (ESL 520) that are beneficial for working in a medical/healthcare environment.

Learning Outcome(s):

1. Prepare students to successfully work as a Certified Nursing Assistant in an acute care setting.
2. Implement safe and competent patient care in an acute care facility.
3. Utilize effective infection control, safety, and communication skills in an acute care facility.
4. Support students in their nursing career pathway.

Students must pass the following ONE course:		*3.0-10.0*
VHLTH 105	Overview of the Acute Care Nursing Assistant Program	3.0-10.0
Students must pass ONE of the following courses:		*12.0-216.0*
VBUS 402	Workforce Power Skills	12.0-24.0
	–or–	
ESL 520	English for Work 2	96.0-216.0
Students must pass the following THREE courses:		*100.0-180.0*
VHLTH 106	Acute Care Nursing Assistant Theory	30.0-50.0
	–and–	
VHLTH 107	Acute Care Nursing Assistant Skills Lab	20.0-30.0
	–and–	
VHLTH 108	Acute Care Nursing Assistant Clinical	50.0-100.0
		Total: 115.0-406.0

Bus Operator/Driver: Certificate of Completion (Noncredit)
Program Code: CEC.VABOD.CC
Program Control Number: 43223

These courses prepare students for the California Commercial Learner's Permit (CLP) test and provide insight to what a career as a bus operator/driver entails. To obtain a commercial driver's license, a person needs to first attain the CLP by passing a knowledge test based on the California Commercial Driver Handbook. Therefore, students will review information in the California Commercial Driver Handbook, including sample test questions. Students will learn study skills to better prepare them for the CLP test and customer service skills which are essential in the field. Moreover, students will receive behind-the-wheel and vehicle inspection training. Finally, a walk-thru of the job application process, interview techniques, and job requirements (i.e., physical examination, background checks, etc.) will be reviewed.

Learning Outcome(s):

1. Apply the knowledge and skills they gained to pass the California Commercial Learner's Permit test and ultimately, obtain the commercial license to start their career as a bus operator/driver.

Students must pass the following TWO courses:		*50.0-53.0*
VBUS 340	Career Exploration	2.0-5.0
VAUTO 674	Bus Operator/Driver Training	48.0
		Total: 50.0-53.0

Certified Global Business Professional (CGBP) Exam Preparation & Practice: Certificate of Completion (Noncredit)
Program Code: CEC.VCGBP.CC
Program Control Number: 43592

NASBITE International's Certified Global Business Professional (CGBP) certification is widely recognized as the standard of excellence in expertise and professionalism in international trade. This certificate prepares students for the CGBP certification exam by reviewing the four primary domains included in the exam: Global Business Management, Global Marketing, Supply Chain Management, and Trade Finance. In VBUS 340 Career Exploration, students will learn more about the CGBP exam and how the certification can lead more international trade career opportunities. Students who pursue this certificate should have at least two years of international trade experience or completed and earned credit for two years of college-level international trade courses.

Learning Outcome(s):

1. Prepare to take the latest Global Business Professional (CGBP) certification exam and continue their career pathway in international trade.

Students must pass the following TWO courses:		*18.0-21.0*
VBUS 292	Global Business Professional (CGBP) Certification Exam Preparation & Practice	16.0
VBUS 340	Career Exploration	2.0-5.0
		Total: 18.0-21.0

Childcare Workers: Certificate of Completion (Noncredit)
Program Code: CEC.CWRK.CC
Program Control Number: 24362

This series of open entry/open exit courses provides students with knowledge about the care and development of infants, toddlers and pre-school children for family childcare providers. Students will learn about health information required for licensing and skills necessary for successful operation of a childcare business. In the Employability Skills course, students learn soft skills that are beneficial in operating their childcare business or being employed by a childcare business.

Learning Outcome(s):

1. Apply the knowledge and skills they gained to obtain entry-level employment, start their home-based childcare center, and/or start their career pathway in childhood education.

Must complete all four (4) of these courses:		*224.0-252.0*
VBUS 559	Business Practices in Family Child Care	36.0
VBUS 590	Introduction to How to Start a Small Business	72.0
PRNT 558	Early Childhood Care and Development For Family Child Care Providers	84.0
PRNT 562	Health Education for Family Child Care Providers	32.0-60.0
Choose one (1) course from th		*72.0-216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 296.0-468.0

Customer Service Representative: Certificate of Completion (Noncredit)
Program Code: CEC.CSRC.CC
Program Control Number: 24364

Customer service representatives interact with customers to handle complaints, process orders, and provide information about an organization's products and services. This series of courses prepares students to work in a wide variety of business settings, with the focus being on attending to and meeting the customer's needs and requests. Students will have the opportunity to strengthen or improve their current customer service, interpersonal, communication, listening, patience, and problem-solving qualities. In addition, students will attain the typing and computer skills necessary to be efficient workers. Customer service representatives typically need a high school diploma or equivalent so students are recommended to earn a diploma/certificate to increase the probability of obtaining a position in this profession. High school elective credits may be given for completing VBUS 118, VBUS 124, VBUS 243, VBUS 258, VBUS 270, and VBUS 400 if the student achieves the attendance and proficiency requirements to pass these classes. Customer service representatives are employed in nearly every industry, with many working in telephone call centers, credit and insurance agencies, banks, and retail stores.

Learning Outcome(s):

1. Apply knowledge and skills gained to obtain employment as a customer service representative and/or start their career pathway in administrative support.

Students must pass the following TWO courses:		*92.0*
VBUS 124	Introduction to Keyboarding I	32.0
VBUS 243	Introduction to Customer Service Skills	60.0
Students must pass ONE of the following courses:		*72.0–216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
Students must pass ONE of the following courses:		*36.0–60.0*
VBUS 118	Microsoft Windows Overview	60.0
VBUS 258	Navigating the Internet	36.0
VBUS 270	Introduction to Microsoft Outlook	60.0
		Total: 200.0–368.0

Digital Literacy for Office and Administrative Support Worker: Certificate of Completion (Noncredit)
Program Code: CEC.DLOAS.CC
Program Control Number: 39456

This certificate program connects ESL and career education instruction in a way that prepares English language and/or digital literacy learners for further education or training, employment and careers. Students will engage in collaborative projects designed to help the student develop the professional and technical computer skills needed to succeed in today's workforce. Upon completing this program, students will have developed the knowledge, skills, and confidence needed to make an easy transition to the General Office Clerk, Secretary/Administrative Assistant, and/or Customer Service Representative Certificate Programs offered by Santa Ana College School of Continuing Education. The certificate provides students with the foundational digital literacy skills to begin an office and administrative support career pathway.

Learning Outcome(s):

1. Students will apply the fundamental technology skills needed to be digitally literate.

Students must pass ONE of the following courses:		*36.0-60.0*
VBUS 259	Orientation to Computers	60.0
VBUS 500	Digital Literacy for Academic and Professional Success - Tier 1	36.0
Students must pass ALL of the following courses:		*108.0*
VBUS 501	Digital Literacy for Academic and Professional Success - Tier 2	36.0
VBUS 502	Digital Literacy for Academic and Professional Success - Tier 3	36.0
VBUS 503	Digital Literacy for Real World Application – Tier 4	36.0
Students must pass ONE of the following courses:		*12.0-216.0*
VBUS 400	Employability Skills	72.0
VBUS 402	Workforce Power Skills	12.0-24.0
ESL 520	English for Work 2	96.0-216.0
		Total: 156.0-384.0

Foundation of Commercial Dance - Level 1: Certificate of Completion (Noncredit)

Program Code: CEC.VCDN1.CC

Program Control Number: 46111

This foundational training program helps students build essential skills in a variety of dance genres, including commercial dance, jazz, musical theater, and hip-hop. Additional training is offered in ballet, modern, performance repertory, and production. Training in these areas provides preparation for employment in commercial and entertainment industries, studio instruction, performance, and choreography. Upon completion of this certificate, along with the Foundation of Commercial Dance - Level 2 certificate, students are encouraged to continue their training at Santa Ana College's Dance Program to obtain a more advanced certificate and/or degree.

Learning Outcome(s):

1. Perform foundational skills in dance techniques in the genres of ballet, commercial dance, jazz, modern, musical theatre, and Hip Hop.
2. Apply commercial dance terminology and practices, aligning with industry standards.
3. Identify the core principles of dance repertory and production, preparing students for performance and behind-the-scenes roles.
4. Prepare foundational dance skills and knowledge for advancement in the Foundations to Commercial Dance – Level II certificate.

Students must pass the following six (6) courses:		*360.0*
VFPA 122A	Commercial Dance I	36.0
VFPA 133A	Musical Theatre Dance Techniques I	36.0
VFPA 201A	Ballet I	72.0
VFPA 206A	Modern Dance I	72.0
VFPA 219A	Jazz Dance I	72.0
VFPA 250A	Hip-Hop Dance I	72.0
Students must pass one (1) of the following two (2) courses:		*72.0*
VFPA 204A	Dance Production I	72.0
VFPA 240A	Repertory I	72.0
Students must pass the following courses:		*27.0*
VFPA 009A	Dance Laboratory I	27.0
		Total: 459.0

Foundation of Commercial Dance - Level 2: Certificate of Completion (Noncredit)

Program Code: CEC.VCDN2.CC

Program Control Number: 46112

This training program is a continuation, but at a higher level, of the Foundation of Commercial Dance - Level 1 certificate program. It prepares students for dance techniques in the genres of commercial dance, jazz, musical theater, and hip-hop. Additional training is offered in ballet, modern, performance repertory, and production. Training in these areas provides preparation for employment in commercial and entertainment industries, studio instruction, performance, and choreography. Upon completion of this certificate, along with the Foundation of Commercial Dance - Level 1 certificate, students are encouraged to continue their training at Santa Ana College's Dance Program to obtain a more advanced certificate and/or degree.

Learning Outcome(s):

1. Perform foundational level II skills in dance techniques in the genres of ballet, commercial dance, jazz, modern, and hip-hop.
2. Apply commercial dance terminology and practices, aligning with industry standards.
3. Identify the core principles of dance repertory and production, preparing students for performance and behind-the-scenes roles.
4. Prepare and build on the skills acquired and move toward more advanced training, certificates, and degree at Santa Ana College.

Students must pass the following FIVE (5) courses:		*324.0*
VFPA 122B	Commercial Dance II	36.0
VFPA 201B	Ballet II	72.0
VFPA 206B	Modern Dance II	72.0
VFPA 219B	Jazz Dance II	72.0
VFPA 250B	Hip-Hop Dance II	72.0
Students must pass one (1) of the following three (3) courses:		*72.0*
VFPA 204A	Dance Production I	72.0
VFPA 240A	Repertory I	72.0
VFPA 240B	Repertory II	72.0
Students must pass one (1) of the following two (2) courses:		27.0
VFPA 009A	Dance Laboratory I	27.0
VFPA 009B	Dance Laboratory II	27.0
		Total: 423.0

General Office Clerk: Certificate of Completion (Noncredit)
Program Code: CEC.GOC.CC
Program Control Number: 24365

General office clerks perform a variety of clerical tasks, including using the computer to prepare documents and interact with staff, clients, and the public. This series of courses offers students the foundation for learning important soft skills, basic office skills, and using the computer software necessary to work in a general office setting. General office clerks typically need a high school diploma or equivalent so students are recommended to earn a diploma/certificate to increase the probability of obtaining a position in this profession. High school elective credits may be given for completing VBUS 118, VBUS 124, VBUS 260, VBUS 262, and VBUS 400 if the student achieves the attendance and proficiency requirements to pass these classes.

Learning Outcome(s):

1. Student use computer software and acquire the soft skills necessary to work in a general office setting.
2. Students apply the knowledge and skills they gained to start their office career pathway.

Students must pass the following TWO courses:		*120.0*
VBUS 260	Introduction to Microsoft Word	60.0
VBUS 262	MS Excel	60.0
Students must pass ONE of the following courses:		*72.0-216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
Students must pass ONE of the following courses:		*32.0-60.0*
VBUS 118	Microsoft Windows Overview	60.0
VBUS 124	Introduction to Keyboarding I	32.0
		Total: 224.0-396.0

Heating/Ventilation/Air Conditioning/Refrigeration (HVAC-R) Technology: Certificate of Completion (Noncredit)
Program Code: CEC.VHVAC.CC
Program Control Number: 39745

The Heating/Ventilation/Air Conditioning/Refrigeration (HVAC-R) Technology program develops students for careers or additional education in the HVAC-R field. Students completing the courses in this certificate will have competence in the program areas of safety, basic refrigeration, basic electricity, heating, air-conditioning, ventilation, and soft skills. Students will possess entry-level skills in the repair and servicing of refrigeration, air conditioning, and heating equipment used in residential, industrial, and commercial buildings.

Learning Outcome(s):

1. Students will possess entry-level skills in the repair and servicing of refrigeration, air conditioning, and heating equipment use in residential, industrial, and commercial buildings.

Students must pass the following course:		*288.0*
VCNST 630	Heating/Ventilation/Air Conditioning/ Refrigeration (HVAC-R) Technology	288.0
Students must pass ONE of the following two courses:		*72.0-216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 360.0–504.0

Hospitality Services: Certificate of Completion (Noncredit)
Program Code: CEC.VHOSP.CC
Program Control Number: 38680

The Hospitality Services Certificate allows students to explore careers in hospitality, specifically in food services and hotel/motel/resort front desk; understand the advantages and challenges of each; and use self-assessment tools to determine which is right for them. The program emphasizes customer service and its importance, helping students understand customer behavior and loyalty in a diverse and increasingly global society. Students will also learn techniques and tips for finding work in the hospitality industry. Moreover, in Employability Skills or VESL: English for Work 2, students learn soft skills that are beneficial for working in any hospitality environment.

Learning Outcome(s):

1. Apply the knowledge and skills they gained to obtain entry-level employment and/or start their career pathway in hospitality.

Students must pass the following TWO courses:		*120.0*
VHOSP 201	Career Focus - Hospitality Services	60.0
VBUS 243	Introduction to Customer Service Skills	60.0
Students must pass ONE of the following courses:		*8.0–60.0*
VBUS 118	Microsoft Windows Overview	60.0
VFOOD 005	ServSafe® Food Handler	8.0-36.0
Students must pass ONE of the following courses:		*72.0–216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 200.0–396.0

Human Resources Assistant: Certificate of Completion (Noncredit)
Program Code: CEC.VHRA.CC
Program Control Number: 45904

The Human Resources Assistant Certificate Program prepares students for entry-level positions in human resources and related administrative roles. Students begin with a program orientation, a VBUS 340 Career Exploration course that is specific to this program, which must be successfully completed in order to be considered for program admission. Society for Human Resource Management's (SHRM) Body of Applied Skills and Knowledge, which is included in the SHRM-CP (Certified Professional) certification exam, will be covered in three courses — Foundations of Human Resources, Human Resources Compliance, and Human Resources Operations. The program concludes with a Certified Human Resources Professional (SHRM-CP) Exam Preparation and Practice course, which reinforces professional competencies and prepares students for the industry-recognized SHRM-CP certification.

Learning Outcome(s):

1. Students will prepare to take the latest SHRM Certified Professional (SHRM-CP) certification exam and continue their career pathway in human resources.

Students must pass the following course to be considered for admission into the program and achieve the certificate:		*2.0-5.0*
VBUS 340	Career Exploration	2.0-5.0
Students must pass the following FOUR (4) courses:		*240.0*
VBUS 310	Foundations of Human Resources	60.0
VBUS 311	Human Resources Compliance	60.0
VBUS 312	Human Resources Operations	60.0
VBUS 313	Certified Human Resources Professional (SHRM-CP) Exam Preparation & Practice	60.0
		Total: 242.0-245.0

Information Technology (IT) Basics: Certificate of Completion (Noncredit)

Program Code: CEC.ITB.CC

Program Control Number: 43764

This certificate prepares students to transition to the Introduction to Information Technology (IT) certificate program at Santa Ana College School of Continuing Education and start their career pathway in IT. Equally important, this certificate ensures that students will not only navigate but also thrive in today's digital world by exploring the fundamentals of computer navigation, utilization, maintenance, and overall technology use. Hands-on training using and applying relevant concepts for today's digital world is applied. Students will also learn essential skills through communication and problem solving.

Learning Outcome(s):

1. Apply knowledge and skills gained to obtain employment and/or start their career pathway in information technology (IT).

Students must pass the following TWO courses:		*120.0*
VBUS 570	Information Technology (IT) Basics Tier 1	60.0
VBUS 572	Information Technology (IT) Basics Tier 2	60.0
Students must pass ONE of the following courses:		*60.0-216.0*
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 180.0-336.0

Introduction to Automotive Technology: Certificate of Completion (Noncredit)

Program Code: CEC.AUTO.CC

Program Control Number: 40518

This is the first of a three series certificate which prepares students to transition to Santa Ana College's Automotive Technology Program or obtain entry-level employment in the automotive technology field. Students will learn about the primary automotive systems used in modern vehicles, such as electrical, ignition, fuel, braking, and other systems. Students will be equipped with the skills and theory necessary to perform maintenance on these systems. The High School Math 190 for College and Career Readiness course is designed to help students learn and apply basic math skills in the context of automotive service. In VBUS 243 Introduction to Customer Service Skills, VBUS 400 Employability Skills, or ESL 520 English for Work 2, students learn soft skills that are beneficial in working in any automotive technology environment.

Learning Outcome(s):

1. Apply the knowledge and skills they gained to start their career pathway in automotive technology.

Students must pass the following course:		*72.0*
VAUTO 668	Introduction to Automotive Vehicle Systems	72.0
Students must pass ONE of the following courses:		*60.0-216.0*
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
HSMTH 190	Math for College and Career Readiness	72.0
		Total: 132.0-288.0

Introduction to Automotive Technology Systems & Engines: Certificate of Completion (Noncredit)

Program Code: CEC.VATSE.CC

Program Control Number: 43593

This is the second of a three series certificate which prepares students to transition to Santa Ana College's Automotive Technology Program or obtain entry-level employment in the automotive technology field. In addition to learning about the primary automotive systems used in modern vehicles, such as electrical, ignition, fuel, braking, and other systems, students learn about engine tear-down, engine assembly, engine diagnosis, repair of gasoline automotive engines, and accurate engine measurement. Students will be equipped with the skills and theory necessary to perform maintenance on modern vehicle systems and repair engines. The High School Math 190 Math for College and Career Readiness course is designed to help students learn and apply basic math skills in the context of automotive service. In VBUS 243 Introduction to Customer Service Skills, VBUS 400 Employability Skills, or ESL 520 English for Work 2, students learn soft skills that are beneficial in working in any auto technology environment.

Learning Outcome(s):

1. Apply the knowledge and skills they gained to start their career pathway in automotive technology.

Students must pass the following TWO courses:		*144.0*
VAUTO 668	Introduction to Automotive Vehicle Systems	72.0
VAUTO 672	Engine Repair	72.0
Students must pass ONE of the following courses:		*60.0-216.0*
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
HSMTH 190	Math for College and Career Readiness	72.0
		Total: 204.0-360.0

Introduction to Automotive Technology Systems, Engines, & Transmissions: Certificate of Completion (Noncredit)

Program Code: CEC.VATST.CC

Program Control Number: 43597

This is the third of a three series certificate which prepares students to transition to Santa Ana College's Automotive Technology Program or obtain entry-level employment in the automotive technology field. Students learn about the primary automotive systems used in modern vehicles, such as electrical, ignition, fuel, braking, as well as engine tear-down, engine assembly, engine diagnosis, repair of gasoline automotive engines, and accurate engine measurement. In addition, students learn about the theory, operation, diagnosis, and service procedures of automatic and manual transmissions and transaxles. Four-wheel drive, all-wheel drive, axles, driveshafts, and constant velocity axles are covered, as well as safe and correct hands-on testing and service procedures. Students will be equipped with the skills and theory necessary to perform maintenance on modern vehicle systems, repair engines, and service transmissions and transaxles. The High School 190 Math for College and Career Readiness course is designed to help students learn and apply basic math skills in the context of automotive service. In VBUS 243 Introduction to Customer Service Skills, VBUS 400 Employability Skills, or ESL 520 English for Work 2, students learn soft skills that are beneficial in working in any auto technology environment.

Learning Outcome(s):

1. Apply the knowledge and skills they gained to start their career pathway in automotive technology.

Students must pass the following THREE courses:		*288.0*
VAUTO 668	Introduction to Automotive Vehicle Systems	72.0
VAUTO 672	Engine Repair	72.0
VAUTO 676	Automatic and Manual Transmissions & Transaxles	144.0
Students must pass ONE of the following courses:		*60.0-216.0*
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
HSMTH 190	Math for College and Career Readiness	72.0
		Total: 348.0-504.0

Introduction to Baking & Pastry Tier 1: Certificate of Completion (Noncredit)

Program Code: CEC.VFBP1.CC

Program Control Number: 41954

This hands-on certificate program focuses on the fundamentals of baking and pastry principles and techniques. It prepares students for a career as a baker, pastry cook in hotels, restaurants, bakeries or even their own home business. It covers a broad range of topics ranging from bread, pastries, and cakes and decoration. Students will also be prepared to take the ServSafe Food Handler Exam which is an industry recognized certification that is in demand by employers. In VBUS 400 Employability Skills or ESL 520 English for Work 2, students learn soft skills that are beneficial in working in any culinary environment. In HSMTH 190 Math for College and Career Readiness, students learn culinary math which begins with the basics of addition, subtraction, multiplication and division along with ratios, yields and percentages, as well as how ingredients must be measured and scaled accurately, food production quantities are calculated, and recipes are increased or decreased to scale based on demand. This certificate program is ideal for individuals interested in entering the culinary workforce.

Learning Outcome(s):

1. Students will apply the knowledge and skills they gained to start their career pathway in the culinary arts field; specifically in baking and pastry.

Students must pass TWO of the following courses:		*48.0-60.0*
VFOOD 212	Baking & Pastry Basics	24.0
VFOOD 214	Introduction to Bread Making	24.0
VFOOD 216	Introduction to Cakes and Decorating	36.0
Students must pass the following course:		*8.0-36.0*
VFOOD 005	ServSafe® Food Handler	8.0-36.0
Students must pass ONE of the following three courses:		*72.0-216.0*
VBUS 400	Employability Skills	72.0
HSMTH 190	Math for College and Career Readiness	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 128.0-312.0

Introduction to Baking & Pastry Tier 2: Certificate of Completion (Noncredit)

Program Code: CEC.VFBP2.CC

Program Control Number: 41955

This series of courses prepares students to transition to Santa Ana College's Culinary Arts program to advance their training. This hands-on certificate program focuses on the fundamentals of baking and pastry principles and techniques. It also prepares students for a career as a baker, pastry cook in hotels, restaurants, bakeries or even their own home business. It covers a broad range of topics ranging from fundamental baking skills for students who intend to specialize in baking and pastry making for commercial production to master classes in preparing bread, pastries, and cakes and decoration. Students will also be prepared to take the ServSafe Food Handler Exam which is an industry recognized certification that is in demand by employers. In VBUS 400 Employability Skills or ESL 520 English for Work 2, students learn soft skills that are beneficial in working in any culinary environment. In HSMTH 190 Math for College and Career Readiness, students learn culinary math which begins with the basics of addition, subtraction, multiplication and division along with ratios, yields and percentages, as well as how ingredients must be measured and scaled accurately, food production quantities are calculated, and recipes are increased or decreased to scale based on demand. This certificate program is ideal for individuals interested in entering the culinary workforce and transitioning to Santa Ana College's Culinary Arts program to pursue a higher degree or certificate.

Learning Outcome(s):

1. Students will apply the knowledge and skills they gained to start their career pathway in the culinary arts field; specifically in baking and pastry.
2. Students will gain the knowledge and skills they need to transition to Santa Ana College's Culinary Art's program to advance their training in the culinary field.

Students must pass the following course:		*90.0*
VFOOD 220	Introduction to Baking & Pastry	90.0
Students must pass TWO of the following courses:		*48.0-60.0*
VFOOD 212	Baking & Pastry Basics	24.0
VFOOD 214	Introduction to Bread Making	24.0
VFOOD 216	Introduction to Cakes and Decorating	36.0
Students must pass the following course:		*8.0-36.0*
VFOOD 005	ServSafe® Food Handler	8.0-36.0
Students must pass ONE of the following three courses:		*72.0-216.0*
VBUS 400	Employability Skills	72.0
HSMTH 190	Math for College and Career Readiness	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 218.0–402.0

Introduction to Biotechnology: Certificate of Completion (Noncredit)

Program Code: CEC.VBIOT.CC

Program Control Number: 38684

This training program prepares students to transition to Santa Ana College's Biotechnology Lab Assistant Certificate Program or obtain entry-level employment in the biotechnology field. They will learn how to operate and maintain standard laboratory equipment. After completing these series of courses and the remaining required courses at Santa Ana College, students will have a fundamental overview of the application and underlying principles of biotechnology. The High School Math 190 for College and Career Readiness course is designed to help students learn and apply basic math skills in the context of biotechnology. In VBUS 400 Employability Skills or VESL 520 English for Work 2, students learn soft skills that are beneficial in working in any biotechnological environment. Upon completion of this certificate, students are encouraged to continue their training at Santa Ana College's Biotechnology Program to obtain a more advanced certificate and/or degree.

Learning Outcome(s):

1. Apply knowledge and skills gained to obtain employment and/or start their career pathway in biotechnology.

Students must pass the following THREE courses:		*176.0*
VHLTH 704	Introduction to Biotechnology	50.0
VHLTH 705	Introductory Biotech Lab	54.0
HSMTH 190	Math for College and Career Readiness	72.0
Students must pass ONE of the following courses:		*72.0–216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 248.0–392.0

Introduction to Diesel-Electric Technology: Certificate of Completion (Noncredit)

Program Code: CEC.VIDSL.CC

Program Control Number: 40949

This certificate introduces students to the field of Diesel-Electric Transportation Technology (DETT). Students will learn the fundamentals of diesel power, electric and hybrid drivetrains, hydrogen systems, and high-voltage safety practices. The program also covers preventive maintenance, safety inspections, and recordkeeping for medium and heavy-duty vehicles, including emerging electric vehicle technologies. Emphasis is placed on industry standards, regulatory compliance, and career pathways in transportation technology. Elective courses strengthen workplace and academic preparation through customer service, employability, English, or math skill development. Upon completion of this certificate, students are encouraged to continue their training at Santa Ana College's DETT Program to obtain a more advanced certificate and/or degree.

Learning Outcome(s):

1. Apply knowledge and skills gained to obtain employment and/or start their career pathway in diesel-electric technology and light, medium and heavy equipment.

Students must pass the following TWO (2) courses to achieve the certificate:		*26.0*
VAUTO 669	Introduction to Diesel-Electric Technology	63.0
VAUTO 670	Introduction to Preventative Maintenance Inspection	63.0
Students must pass ONE (1) of the following courses to achieve the certificate:		*60.0-216.0*
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
HSMTH 190	Math for College and Career Readiness	72.0
		Total: 186.0-342.0

Introduction to Digital Media: Certificate of Completion (Noncredit)

Program Code: CEC.VIDM.CC

Program Control Number: 42941

This training program prepares students to transition to Santa Ana College's Digital Media Program or obtain entry-level employment in the digital media field. Students will learn industry-standard software, including Adobe Creative Cloud for digital design in montage, vector, layout and time-based media. Equally important, they will learn foundational skills designed for graphic designers, artists, photographers, web designers, programmers, and animation artists working in the digital realm. In VBUS 400 Employability Skills or ESL 520 ESL: English for Work 2, students learn soft skills that are beneficial in working in any digital media environment. Upon completion of this certificate, students are encouraged to continue their training at Santa Ana College's Digital Media Program to obtain a more advanced certificate and/or degree.

Learning Outcome(s):

1. Students apply knowledge and skills gained to obtain employment and/or start their career pathway in digital media.

Students must pass the following TWO courses:.		*180.0*
VDMA 302	Web Design	108.0
VDMA 310	Introduction to Digital Media Arts	72.0
Students must pass ONE of the following courses:		*60.0-216.0*
VBUS 400	Employability Skills	72.0
VBUS 303	Adobe Photoshop	60.0
ESL 520	English for Work 2	96.0-216.0
		Total: 240.0-396.0

Introduction to Drone Pilot: Certificate of Completion (Noncredit)

Program Code: CEC.VIDP.CC

Program Control Number: 43234

These courses prepare students to transition to either Santa Ana College's Digital Media program or Business Applications Drone Technology Certificate program, and/or obtain employment as a drone pilot. Amongst other things, students will learn the ins-and-outs of legally flying a drone, FAA rules and regulations, settings and features of drones, and supervised hands-on flight instruction with a licensed drone pilot. Using mission specific settings, students will take aerial photography, video, and perform aerial mapping. The Adobe Photoshop course provides instruction on how to efficiently work with photography and video, while the customer service or employability skills courses help students obtain the soft skills that are beneficial in working in any digital media environment.

Learning Outcome(s):

1. Apply the knowledge and skills students gain to start their career pathway in digital media arts or business applications & technology, especially in aerial video and photography, and drone piloting.

Students must pass the following TWO courses:		*105.0*
VDMA 320	Introduction to Drone Pilot Training	45.0
VBUS 303	Adobe Photoshop	60.0
Students must pass ONE of the following courses:		*60.0-72.0*
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 400	Employability Skills	72.0
		Total: 165.0–177.0

Introduction to Electric and Hybrid Vehicles: Certificate of Completion (Noncredit)

Program Code: CEC.VEVHB.CC

Program Control Number: 46082

This certificate prepares students to transition to Santa Ana College's Automotive Technology Program or obtain entry-level employment in the automotive technology field. Students will explore the function, operation, and design of hybrid/electric vehicles. They will also focus on safe practices and procedures when working with high voltage systems and build a purpose-built electric vehicle and study current electric vehicle manufacturers. In addition, students will work on hybrid transaxles. High voltage systems will be examined, along with battery designs, AC and DC power motors, and electrical inverter/converters. Moreover, students will be exposed to fuel cell vehicles. The High School Math 190 for College and Career Readiness course is designed to help students learn and apply basic math skills in the context of automotive service. The ESL 520 English for Work 2 course is designed to help students learn and speak the language used in the automotive service field. In VBUS 243 Introduction to Customer Service Skills and VBUS 400 Employability Skills, students learn soft skills that are beneficial in working in any automotive technology environment.

Learning Outcome(s):

1. Apply the knowledge and skills they gained to start their career pathway in electric and hybrid automotive technology.

Students must pass the following THREE (3) courses:		*360.0*
VAUTO 668	Introduction to Automotive Vehicle Systems	72.0
VAUTO 678	Electrical Fundamentals	144.0
VAUTO 680	Introduction to Hybrid/Electric Vehicles	144.0
Students must pass ONE (1) of the following courses:		*60.0-216.0*
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
HSMTH 190	Math for College and Career Readiness	72.0
		Total: 420.0-576.0

Introduction to Fashion Design & Merchandising: Certificate of Completion (Noncredit)

Program Code: CEC.VFDM.CC

Program Control Number: 43235

This certificate program is ideal for individuals interested in entering the fashion design and merchandising workforce and transitioning to Santa Ana College's Fashion Design and Merchandising program to purse a higher degree or certificate. It introduces students to the development, structure, and interrelationship of the global fashion industry such as consumer characteristics, product design, textile and apparel production, retail merchandising, brand marketing, distribution, and promotion. Apparel business organizations, their commercial processes and career opportunities are also reviewed. Students have an option of either developing their apparel garment construction skills by participating in VFDM 105 Beginning Sewing or learn to use Adobe Illustrator and other software that are commonly used in the fashion industry in VDMA 310 Introduction to Digital Media Arts. In VBUS 400 Employability Skills or ESL 520 ESL: English for Work 2, students learn soft skills that are beneficial in working in any fashion design and merchandising environment.

Learning Outcome(s):

1. Apply the knowledge and skills students gain to start their career pathway in the fashion design & merchandising field, and transition to Santa Ana College's Fashion Design & Merchandising program to advance their training in the field.

Students must pass the following course:		*54.0*
VFDM 100	Introduction to the Fashion Industry	54.0
Students must pass ONE of the following courses:		*72.0-90.0*
VFDM 105	Beginning Sewing	90.0
VDMA 310	Introduction to Digital Media Arts	72.0
Students must pass ONE of the following courses:		*72.0-216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 198.0-360.0

Introduction to Information Technology (IT): Certificate of Completion (Noncredit)

Program Code: CEC.ITF.CC

Program Control Number: 24384

This certificate is designed to prepare students to obtain entry-level employment in information technology (IT) or pursue higher level training at Santa Ana College. Students have an opportunity to prepare for CompTIA's A+ Certification which is the IT industry standard for validating the foundational skills needed by today's computer support specialist. Students gain basic knowledge in hardware, operating systems, networking, security, and customer service. Hands-on training using computer components and operating systems provide an opportunity for students to enhance their skills in assembling, disassembling, servicing, troubleshooting, and upgrading computer and networking systems. In VBUS 243 Introduction to Customer Service Skills, VBUS 400 Employability Skills, or VESL 520 English for Work 2, students learn soft skills that are beneficial in working in any IT environment. This certificate program is ideal for individuals interested in entering the IT workforce or technology related fields.

Learning Outcome(s):

1. Students will apply the knowledge and skills they gained to start their career pathway in information technology (IT) and/or technology related fields.

Students must pass the following TWO courses:		*216.0*
VBUS 450	Basic Computer Repair & COMPTIA A+ Certification Preparation	108.0
VBUS 576	Systems and Networking Essentials	108.0
Student must pass ONE of the following courses:		*60.0-216.0*
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 276.0-432.0

Introduction to Machining: Certificate of Completion (Noncredit)

Program Code: CEC.VMACH.CC

Program Control Number: 39747

This training program prepares students to transition to Santa Ana College's Manufacturing Technology Program or obtain entry-level employment in the manufacturing field. Students learn the fundamental operations on lathes, milling machines, grinders, and drill pressers, including precision measurements and layout. Students are equipped with the skills and theory necessary to enter or upgrade within the machinist trade. The High School Math 190 for College and Career Readiness course is designed to help students learn and apply basic math skills in the context of manufacturing technology. In VBUS 400 Employability Skills or ESL 520 ESL: English for Work 2, students learn soft skills that are beneficial in working in any manufacturing technology environment. Upon completion of this certificate, students are encouraged to continue their training at Santa Ana College's Manufacturing Technology Program to obtain a more advanced certificate and/or degree.

Learning Outcome(s):

1. Apply knowledge and skills gained to obtain employment as a machinist and/or start their career pathway in manufacturing technology.

Students must pass the following TWO courses:		*216.0*
VMFG 680	Basic Machining Concepts and Operations	144.0
HSMTH 190	Math for College and Career Readiness	72.0
Students must pass ONE of the following courses:		*72.0–216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 288.0–432.0

Introduction to Pharmacy Technology: Certificate of Completion (Noncredit)

Program Code: CEC.VPHAR.CC

Program Control Number: 38771

This training program introduces students to the Santa Ana College Pharmacy Technology program and pharmacy technology careers. As registered School of Continuing Education students, students must pass the HSMTH 190 Math for College and Career Readiness course which prepares them with the basic math skills needed to succeed in pharmacy calculation. In VBUS 400 Employability Skills or ESL 520 English for Work 2, students learn soft skills that are beneficial for working in any pharmaceutical environment. The remaining courses to meet the minimum training to apply for the Board of Pharmacy License are to be taken as a student enrolled at Santa Ana College. After completing all the required courses at Santa Ana College and obtaining the board license, students are primarily prepared for employment as pharmacy technicians.

Learning Outcome(s):

1. Apply knowledge and skills gained to obtain employment and/or start their career pathway in pharmacy technology.

Students must pass BOTH of the following courses:		*108.0*
VHLTH 799	Introduction to Pharmacy Technology	36.0
HSMTH 190	Math for College and Career Readiness	72.0
Students must pass ONE of the following courses:		*72.0–216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 180.0–324.0

Introduction to Small Business and Entrepreneurship: Certificate of Completion (Noncredit)

Program Code: CEC.ISBE.CC

Program Control Number: 40520

The Small Business and Entrepreneurship Certificate will provide students with the information and skills necessary to take the first steps in starting their businesses or expanding them. A small business owner or entrepreneur is responsible for the growth, overall direction, and everyday operation of a business. Students can choose to learn commonly used business terminology, use QuickBooks to manage bookkeeping for their business and review financial reports, or employ generative artificial intelligence (GenAI) tools for a small business. Students can also choose to participate in VBUS 243 Introduction to Customer Service Skills, ESL 520 English for Work 2, ABE 018 Leadership Basics Part 2, or ABE 044 Leadership Basics Part 1, to learn soft skills that are beneficial in working in any business environment. Upon completion of this certificate program, students will be able to address the challenges and opportunities specific to small business management and be better prepared to transition to Santa Ana College to pursue a higher certificate and/or degree in business and entrepreneurship.

Learning Outcome(s):

1. Students will apply the knowledge gained to start their own businesses or expand their current business.

Students must pass the following course:		*72.0*
VBUS 590	Introduction to How to Start a Small Business	72.0
Student must pass TWO of the following courses:		*72.0–288.0*
VBUS 035	Generative AI for Small Business	60.0
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 281	Introduction to Quickbooks	36.0
VBUS 290	Business Terminology	36.0
ABE 018	Leadership Basics, Part 2	36.0-72.0
ABE 044	Leadership Basics Part 1	36.0-72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 144.0–360.0

Introduction to Theatre Arts: Certificate of Completion (Noncredit)

Program Code: CEC.ITHEA.CC

Program Control Number: 40542

This certificate is designed to provide a foundation for students seeking to enter the entertainment industry or transition into the Theatre Arts Program at Santa Ana College. Through a blend of technical training and performance practice, students gain the skills necessary for success in both stage environments and motion picture productions. Students gain practical experience in the behind-the-scenes aspects of theater which prepare students for stagecraft roles (e.g., lighting, sound, scenic construction). Students also develop vocal techniques and presentation methodologies for live stage performances, and acquire the skills to act in short or feature-length movies. To ensure career readiness, students can complete VBUS 400 Employability Skills or VBUS 402 Workforce Power Skills. These courses provide the soft skills required to thrive in professional collaborative environments. Upon completion, students will be equipped to apply their technical and artistic knowledge to launch their career pathway in the theatre arts.

Learning Outcome(s):

1. Students will apply the knowledge and skills they gained to start their career pathway in theatre arts.

Students must pass ALL of the following courses:		*390.0*
VFPA 150A	Rehearsal and Performance in Production	88.0
VFPA 150B	Technical Theatre in Production	88.0
VFPA 135	Technical Production	88.0
VFPA 255	Motion Picture Performance Production	126.0
Students must pass ONE of the following courses:		*12.0-90.0*
VFPA 151A	Showcase I	90.0
VFPA 152	Tour Ensemble	90.0
VBUS 400	Employability Skills	72.0
VBUS 402	Workforce Power Skills	12.0-24.0
		Total: 402.0-480.0

Introduction to Welding Technology: Certificate of Completion (Noncredit)

Program Code: CEC.WELD.CC

Program Control Number: 40519

These courses prepare students to transition to Santa Ana College's Welding Technology Program or obtain entry-level employment in the welding technology field. Students will be introduced to shop safety, the proper use of tools and the basic equipment, and fundamentals through the introduction of various welding processes currently used in the welding and metal fabrication industry. Processes include Oxy-fuel cutting, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW). The High School Math 190 for College and Career Readiness course is designed to help students learn and apply basic math skills in the context of welding technology. In VBUS 243 Introduction to Customer Service Skills, VBUS 400 Employability Skills, or ESL 520 English for Work 2, students learn soft skills that are beneficial in working in any welding technology environment.

Learning Outcome(s):

1. Apply the knowledge and skills students gain to start their career pathway in welding technology.

Students must pass the following course:		*126.0*
VCNST 101	Introduction to Welding	126.0
Students must pass ONE of the following courses:		*60.0-216.0*
VBUS 243	Introduction to Customer Service Skills	60.0
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
HSMTH 190	Math for College and Career Readiness	72.0
		Total: 186.0-342.0

Line Cook: Certificate of Completion (Noncredit)
Program Code: CEC.VCOOK.CC
Program Control Number: 39746

This training program prepares students to work as a line cook which is an important job in the restaurant industry. Students are presented with the opportunity to master basic cooking techniques which can be used to create an endless variety of dishes. They learn many aspects of food preparations, and the proper methods of presentation and serving. Students will also be prepared to take both the ServSafe Food Handler and Food Protection Manager Exam which are industry recognized certifications that are in demand by employers. In VBUS 400 Employability Skills or ESL 520 English for Work 2, students learn soft skills that are beneficial in working in any culinary arts environment. In addition, the program prepares students to transition to Santa Ana College's Culinary Arts Program to continue their training and earn a more advanced certificate and/or degree.

Learning Outcome(s):

1. Prepare students for employment as line cooks and food preparation workers. In addition, it prepares students for a pathway in culinary careers and transition to Santa Ana College's Culinary Arts Program.

Students must pass the following THREE courses:		*104.0-132.0*
VFOOD 200	Line Cook Training	60.0
VFOOD 005	ServSafe® Food Handler	8.0-36.0
VFOOD 210	ServSafe® Food Protection Manager Certification Exam Preparation, Review, & Practice	36.0
Students must pass ONE of the following courses:		*72.0-216.0*
VBUS 400	Employability Skills	72.0
HSMTH 190	Math for College and Career Readiness	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 176.0-348.0

Mental Health and Wellness Career Pathways: Certificate of Completion (Noncredit)
Program Code: CEC.VMHWL.CC
Program Control Number: 46084

This series of courses equips students with foundational skills for entry-level employment in the mental health field. Participants gain knowledge of common mental health disorders and service delivery models. This certificate program cultivates vocational competency, enabling students to develop skills to provide basic mental health services. The curriculum introduces common disorders, associated signs and symptoms, treatment options, culturally sensitive family work, and employability or workforce power skills.

Learning Outcome(s):

1. Apply the knowledge and skills gained to obtain entry-level employment in the mental health industry and/or start a career in mental health.

Students must pass the following THREE (3) courses:		*134.0-137.0*
VBUS 340	Career Exploration	2.0-5.0
VHLTH 414	Introduction to Mental Health Disorders	72.0
VHLTH 415	Introduction to Mental Health Services/Careers	60.0
Students must pass ONE (1) of the following courses:		*12.0-72.0*
VBUS 400	Employability Skills	72.0
VBUS 402	Workforce Power Skills	12.0-24.0
		Total: 146.0-209.0

Nursing Assistant: Certificate of Completion (Noncredit)
Program Code: CEC.VNRNA.CC
Program Control Number: 39748

The Nursing Assistant Certificate is designed to provide students with the clinical, skills, and theoretical knowledge to prepare for the Certified Nursing Assistant (CNA) designation. Students will learn to be part of a healthcare team under the supervision of a nurse. The curriculum is based on the professional standards established by regulatory agencies, and it covers essential topics included in the Nurse Assistant Certification State Exam. Upon successful completion, a student will be prepared to take the Certified Nurse Assistant exam issued by California Department of Public Health (CDPH). Students must pass VHLTH 102, VHLTH 103 and VHLTH 104, to be eligible for the state certification exam. To be considered for admission into the program, a student must pass VHLTH 101 and VBUS 402 or ESL 520. In VBUS 402 or ESL 520 course sections that are specifically focused on CNA, Healthcare or Medical Professionals, students learn soft skills that are beneficial for working in any medical/healthcare environment. This Nurse Assistant Training Program is approved by the California Department of Public Health (CDPH).

Learning Outcome(s):

1. Prepare students to successfully pass the state certification exam and thus, achieve their CNA license.
2. Help students develop the necessary skills to obtain employment as a Certified Nursing Assistant (CNA).
3. Support students in their nursing career pathway.

Students must pass the following FOUR courses:		*203.0-280.0*
VHLTH 101	Overview of the Nursing Assistant Training Program	3.0-10.0
VHLTH 102	Certified Nursing Assistant (CNA) Training - Theory	60.0-110.0
VHLTH 103	Certified Nursing Assistant (CNA) Training-Skills Lab	40.0-60.0
VHLTH 104	Certified Nursing Assistant (CNA) Training- Clinical	100.0
Students must pass ONE of the following courses:		*12.0-216.0*
VBUS 402	Workforce Power Skills	12.0-24.0
ESL 520	English for Work 2	96.0-216.0
		Total: 215.0-496.0

Personal Caregiver/Care Aide: Certificate of Completion (Noncredit)
Program Code: CEC.CGPCA.CC
Program Control Number: 38621

Former Title: Caregiver/Personal Care Aide

This program prepares students to assist the elderly, convalescents, or persons with disabilities with daily living activities. In a simulated caregiving environment, students will gain experience performing caregiver duties, which may include nutrition, cleanliness, ambulation, and household activities. Students select one elective based on their needs and career goals. VHLTH 122 BLS for Healthcare Providers & Heartsaver CPR/First Aid equips students with essential life-saving skills, including effective CPR and basic first aid, which are critical competencies in a healthcare setting. VBUS 402 Workforce Power Skills strengthens professional soft skills such as communication, teamwork, problem-solving, and many others. ESL 520 English for Work 2 provides contextualized English language development focused on healthcare.

Learning Outcome(s):

1. Students will apply the knowledge and skills they gain to start their healthcare pathway and obtain employment as a personal caregiver/care aide.

Students are to pass BOTH of the following courses:		*64.0*
VHLTH 109	Personal Caregiver/Care Aide-Theory	40.0
VHLTH 110	Personal Caregiver/Care Aide-Skills Lab	24.0
Students are to pass ONE of the following courses:		*4.0-216.0*
VHLTH 122	BLS for Healthcare Providers & Heartsaver CPR/ First Aid	4.0-6.0
VBUS 402	Workforce Power Skills	12.0-24.0
ESL 520	English for Work 2	96.0-216.0
		Total: 68.0-280.0

QuickBooks - Tier 1: Certificate of Completion (Noncredit)
Program Code: CEC.QBT1.CC
Program Control Number: 40514

The QuickBooks - Tier 1 Certificate helps students discover the power of QuickBooks while learning basic accounting concepts through hands-on practice. Upon completion of the certificate program, students gain the skills they need to start their academic and career pathway in accounting. The certificate prepares students for entry-level clerk jobs that utilize QuickBooks. In addition, for small business owners, students will acquire the necessary skills to manage bookkeeping for their business. Students are encouraged to pursue the QuickBooks - Tier 2 Certificate to further develop their QuickBooks skills and knowledge.

Learning Outcome(s):

1. Gain the knowledge and skills they need to start their academic and/or career pathway in accounting. In addition, for small business owners, manage bookkeeping for their business.

Students must complete and pass the following courses:		*72.0*
VBUS 280	Accounting Terminology	36.0
VBUS 281	Introduction to Quickbooks	36.0
Students must complete and pass ONE of the following courses:		*72.0-216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 144.0-288.0

QuickBooks - Tier 2: Certificate of Completion (Noncredit)
Program Code: CEC.QBT2.CC
Program Control Number: 40515

This series of courses prepares students to transition to Santa Ana College's Computerized Accounting-QuickBooks Certificate Program to advance their training. After completing these series of courses and the remaining required courses at Santa Ana College, students will have a fundamental overview of the application and underlying principles of QuickBooks. By obtaining this certificate, they will learn accounting theory and obtain practical knowledge of QuickBooks. Moreover, students will have the knowledge and skills necessary to obtain entry-level clerk jobs that utilize QuickBooks. In VBUS 400 Employability Skills or VESL 520 English for Work 2, students learn soft skills that are beneficial in working in any business environment.

Learning Outcome(s):

1. Gain the knowledge and skills they need to transition to Santa Ana College's Computerized Accounting-QuickBooks Certificate Program to advance their training in QuickBooks. In addition, for small business owners, to better manage the bookkeeping for their business.

Students must complete and pass ALL of the following courses:		*180.0*
VBUS 280	Accounting Terminology	36.0
VBUS 281	Introduction to Quickbooks	36.0
VBUS 282	QuickBooks I	108.0
Students must complete and pass ONE of the following courses:		*72.0-216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
		Total: 252.0-396.0

Secretary/Administrative Assistant: Certificate of Completion (Noncredit)
Program Code: CEC.SECAD.CC
Program Control Number: 24390

Secretaries and administrative assistants perform routine clerical and administrative duties. They organize files, prepare documents, schedule appointments, and support other staff. Secretaries and administrative assistants work in nearly every industry with many employed in schools, hospitals, and government, legal, and medical offices. This series of courses helps students prepare for office support positions that might require enhanced keyboarding skills and higher-level office management skills. Secretaries/administrative assistants need a high school diploma or equivalent, so students are recommended to earn a diploma/certificate to obtain a position in this profession. High school elective credits may be given for completing VBUS 125, VBUS 244, VBUS 245, VBUS 270, VBUS 304, and VBUS 400 if the student achieves the proficiency requirements to pass these classes.

Learning Outcome(s):

1. Student apply knowledge and skills gained to obtain secretarial employment and/or start their office career pathway in administrative support.

Students must pass the following TWO courses:		*105.0*
VBUS 125	Introduction to Keyboarding II	45.0
VBUS 270	Introduction to Microsoft Outlook	60.0
Students must complete ONE of the following courses:		*72.0-216.0*
VBUS 400	Employability Skills	72.0
ESL 520	English for Work 2	96.0-216.0
Students must complete ONE of the following courses:		*60.0*
VBUS 244	Introduction to Microsoft Access	60.0
VBUS 245	Introduction to Microsoft Publisher	60.0
VBUS 304	MS PowerPoint	60.0
		Total: 237.0-381.0

Vocational Construction Technology: Certificate of Completion (Noncredit)
Program Code: CEC.VCNST.CC
Program Control Number: 32681

This program is designed to help students with selecting, applying, obtaining, and succeeding in construction apprenticeships and/or employment opportunities that are appropriate for them. In addition to hands-on experience using various hand and power tools to complete projects, students will receive classroom instruction in basic math, Occupational Safety and Health Administration (OSHA) safety standards, CPR & First Aid, and employability skills or workforce power skills.

Learning Outcome(s):

1. Prepare students to apply the knowledge and skills to select, obtain, and succeed in construction apprenticeship programs or employment opportunities that are appropriate for them.

Students must complete ALL the following courses:		*122.0-405.0*
VBUS 340	Career Exploration	2.0-5.0
VCNST 610	Vocational Construction Technology Module I	60.0-200.0
VCNST 620	Vocational Construction Technology Module II	60.0-200.0
Students must pass ONE of the following courses:		*12.0-72.0*
VBUS 400	Employability Skills	72.0
VBUS 402	Workforce Power Skills	12.0-24.0
		Total: 134.0-477.0

ENGLISH AS A SECOND LANGUAGE

ESL Core Capstone: Certificate of Competency (Noncredit)
Program Code: CEC.ESLCS.COM
Program Control Number: 36880

The combination of recommended courses in this certificate is designed to help students be proficient in using English in situations that occur at home, school, work, and in the community. These courses emphasize and provide higher-level reading and writing instruction leading to completion of student learning outcomes to prepare students for higher education, career opportunities, and lifelong learning.

Learning Outcome(s):

1. Students will acquire high-intermediate to advanced-level competency and skills to be prepared to take noncredit or credit courses and programs in other subject areas, academic and vocational training programs, as well at other institutions.

Must pass all three of the following core courses:		*288.0-648.0*
ESL 304	Intermediate High	96.0-216.0
ESL 305	Advanced Low	96.0-216.0
ESL 306	Advanced High	96.0-216.0
Must pass one of the following courses:		*72.0-360.0*
Choose 1:		*72.0-360.0*
ABE 023	Adult Basic Education Reading	72.0
ABE 024	Adult Basic Education Writing	72.0
ESL 491	Advanced Grammar Review and Essay Writing	72.0-96.0
ESL 720	ESL Transition to College Class	72.0-96.0
HSGED 031	GED Test Preparation	360.0
HSRDG 089	Reading Proficiency Development	72.0
HSRDG 093	Building Reading Skills 1	72.0
HSS 031	High School Equivalency Test Preparation	72.0-96.0
LRN 750	Intensive Writing and Grammar	72.0
VBUS 400	Employability Skills	72.0
		Total: 360.0-1008.0

ESL Core Literacy: Certificate of Competency (Noncredit)
Program Code: CEC.ESLCL.COM
Program Control Number: 37093

This combination of courses is designed to help students develop adequate literacy skills to succeed in the core ESL courses that follow. In this series of courses, students will learn to function at a basic literacy level in reading, writing, listening, and speaking in both English and in their native language.

Learning Outcome(s):

1. Students will learn basic level competencies to be able to take other classes in other programs.

Students must pass this course:		*96.0-216.0*
ESL 300	Literacy	96.0-216.0
Students must pass one of the following courses:		*80.0–480.0*
ABE 111	Spanish Literacy for Adults	240.0-480.0
ABE 112	Beginning Spanish Literacy	80.0-160.0
ABE 113	Intermediate Spanish Literacy	80.0-160.0
ABE 114	Advanced Spanish Literacy	80.0-160.0
		Total: 176.0–696.0

ESL Core Beginning: Certificate of Competency (Noncredit)
Program Code: CEC.ESLCB.COM
Program Control Number: 36618

The combination of recommended courses is designed to help students begin to communicate in some of the everyday life situations they will encounter at home, work, reschool, and in the community.

Learning Outcome(s):

1. Students will learn the beginning level competencies to be able to take other classes in other programs.

To obtain this certificate, pass all three courses.		*288.0-648.0*
ESL 300	Literacy	96.0-216.0
ESL 301	Beginning Low	96.0-216.0
ESL 302	Beginning High	96.0-216.0
		Total: 288.0-648.0

ESL Core Intermediate: Certificate of Competency (Noncredit)
Program Code: CEC.ESLCI.COM
Program Control Number: 36828

The combination of recommended courses in this certificate is designed to help students communicate in many of the everyday life situations they encounter at home, work, school, and in the community. These courses emphasize and provide basic skills instruction leading to completion of student learning outcomes to prepare students for higher education, career opportunities, and lifelong learning.

Learning Outcome(s):

1. Students will acquire intermediate-level competency and skills to be prepared to take noncredit or credit courses in different subject areas, academic and vocational training programs, and at other institutions.

Must pass both of the following courses:		*192.0-432.0*
ESL 303	Intermediate Low	96.0-216.0
ESL 304	Intermediate High	96.0-216.0
		Total: 192.0-432.0

ESL Core Advanced: Certificate of Competency (Noncredit)
Program Code: CEC.ESLCA.COM
Program Control Number: 36829

This combination of two advanced-level courses in the certificate is designed to help students communicate successfully in everyday situations at home, school, work and in the community. The courses emphasize advanced-level reading and writing instruction, leading to achieving student learning outcomes to prepare students for higher education, career opportunities, and lifelong learning.

Learning Outcome(s):

1. Students will acquire advanced-level competency and skills to be prepared to take noncredit or credit courses in other subject areas, academic and vocational training programs, and at other institutions.

To obtain this certificate, students must pass two of the following core courses:		*192.0-432.0*
ESL 305	Advanced Low	96.0-216.0
ESL 306	Advanced High	96.0-216.0
		Total: 192.0-432.0

ESL Enhanced Civics: Certificate of Competency (Noncredit)
Program Code: CEC.ESLEC.COM
Program Control Number: 37095

This combination of courses is designed to help students learn more about civics topics, becoming a U.S. citizen, and being a productive community member.

Learning Outcome(s):

1. Students will achieve the competencies needed from support ESL classes to prepare for other noncredit or credit classes,-make progress in a career path, or transition to other programs at public and private institutions.

Students must pass two of the following courses:		*144.0–432.0*
ESL 120	ESL for Citizenship	72.0-144.0
ESL 130	Multilevel English as a Second Language	72.0-216.0
ESL 392	Writing and Developing a School Publication	72.0
ESL 398	ESL Lab	72.0-216.0
		Total: 144.0–432.0

English for Work: Certificate of Competency (Noncredit)
Program Code: CEC.ESLW.COM
Program Control Number: 37198

This combination of recommended courses in this certificate is designed to help students communicate successfully in an English-speaking workplace.

Learning Outcome(s):

1. Students will achieve the competencies needed for the general workplace and to prepare for noncredit or credit vocational classes and programs in colleges and private or other community-based organizations.

To obtain this certificate, students must pass both courses.		*192.0-432.0*
ESL 510	English for Work 1	96.0-216.0
ESL 520	English for Work 2	96.0-216.0
		Total: 192.0-432.0

Enhanced English for Work: Certificate of Competency (Noncredit)
Program Code: CEC.ESLWE.COM
Program Control Number: 37238

The combination of recommended courses in this certificate is designed to help students communicate successfully in an English-speaking workplace and develop their writing and digital literacy skills.

Learning Outcome(s):

1. Students will achieve the competencies needed to prepare for noncredit or credit vocational classes and programs in colleges and private or other community-based organizations.

Students must pass one course:		*96.0-216.0*
ESL 510	English for Work 1	96.0-216.0
ESL 520	English for Work 2	96.0-216.0
Students must pass one course:		*72.0-216.0*
ESL 130	Multilevel English as a Second Language	72.0-216.0
ESL 398	ESL Lab	72.0-216.0
ESL 488	Basic Writing	72.0
		Total: 168.0-432.0

ESL Enhanced Speaking Capstone: Certificate of Competency (Noncredit)
Program Code: CEC.ESLES.COM
Program Control Number: 37094

This combination of recommended courses is designed to help students quickly improve their speaking abilities in English by focusing on pronunciation and conversation.

Learning Outcome(s):

1. Students will acquire oral and listening competencies and skills from ESL support courses to prepare for noncredit or credit classes,make progress on a career path, or transition to other programs at public and private institutions.

Students must pass one of the courses:		*72.0–144.0*
ESL 570	Conversation 1	72.0-144.0
ESL 580	Conversation 2	72.0-144.0
Students must pass one of the courses:		*72.0–216.0*
ESL 130	Multilevel English as a Second Language	72.0-216.0
ESL 398	ESL Lab	72.0-216.0
ESL 530	American English Pronunciation	96.0-216.0
		Total: 144.0–360.0

ESL Enhanced Writing Capstone: Certificate of Competency (Noncredit)
Program Code: CEC.ESLEW.COM
Program Control Number: 36835

The combination of courses in this program is designed to help students develop their paragraph and essay writing skills and abilities in English and use the proper mechanics of writing (e.g., grammar, word usage, spelling, punctuation, capitalization) as they work on increasing their writing fluency.

Learning Outcome(s):

1. Students will be able to write paragraphs and essays for classes in other programs, at their workplace, at home, or for the community-at-large.

To obtain this certificate, students must pass three (3) courses from this list:		*216.0-240.0*
Choose 3 courses:		*216.0-240.0*
ESL 488	Basic Writing	72.0
ESL 489	Intermediate Writing	72.0
ESL 490	Intermediate Writing and Grammar	72.0
ESL 491	Advanced Grammar Review and Essay Writing	72.0-96.0
		Total: 216.0-240.0

ESL Grammar for Better Writing: Certificate of Competency (Noncredit)

Program Code: CEC.ESLGW.COM

Program Control Number: 41957

The combination of courses is designed to help students be more proficient in their writing abilities in English by improving their grammar knowledge and use.

Learning Outcome(s):

1. Have the skills necessary to take other credit/vocational program courses in the credit EMLS Program or other programs.

Take two courses:		*108.0*
ESL 610	Grammar for Better Writing I	54.0
ESL 611	Grammar for Better Writing II	54.0
		Total: 108.0

ESL Writing and Developing a School Publication: Certificate of Competency (Noncredit)

Program Code: CEC.ESLWD.COM

Program Control Number: 41952

This combination of courses is designed to help students use their writing abilities in English and acquire digital literacy skills to develop a school publication and other forms of printed materials/information.

Learning Outcome(s):

1. Students will use their developed writing and presentation skills, acquired digital literacy knowledge, and their project-based learning strategies to take noncredit or credit classes, make progress in a career path, or transition to other programs at public and private institutions.

To obtain this certificate, students must pass both courses:		*108.0*
ESL 392	Writing and Developing a School Publication	72.0
VBUS 502	Digital Literacy for Academic and Professional Success - Tier 3	36.0
		Total: 108.0

Digital Literacy for Academic and Professional Success I: Certificate of Competency (Noncredit)

Program Code: CEC.DLAP1.COM

Program Control Number: 39572

The combination of recommended courses in this certificate is designed to help students learn new digital literacy skills. It covers operating systems, word processing applications, e-mail, the internet, online educational applications, social media, and other related topics. Upon completing this program, students will have developed the technical knowledge, language skills, and confidence needed for social and academic growth with improved digital literacy skills and knowledge to make a successful transition to office technology programs offered in career education, vocational training, and other related vocational fields.

Learning Outcome(s):

1. Upon completing this program,students will have developed basic digital literacy skills through technical knowledge, language skill development, and increased self-confidence needed for social and academic growth to make a successful transition to office technology courses and programs in Career Education.

Students must pass one of the following core courses:		96.0-216.0
ESL 301	Beginning Low	96.0-216.0
ESL 302	Beginning High	96.0-216.0
ESL 303	Intermediate Low	96.0-216.0
ESL 304	Intermediate High	96.0-216.0
ESL 305	Advanced Low	96.0-216.0
ESL 306	Advanced High	96.0-216.0
Students must pass one of the following courses:		*36.0*
VBUS 500	Digital Literacy for Academic and Professional Success - Tier 1	36.0
VBUS 501	Digital Literacy for Academic and Professional Success - Tier 2	36.0
		Total: 132.0-252.0

Digital Literacy for Academic and Professional Success II: Certificate of Competency (Noncredit)

Program Code: CEC.DLAP2.COM

Program Control Number: 39573

The combination of recommended courses in this certificate is designed to help students learn new digital literacy skills. It covers internet safety, online conferencing, blogging, learning management systems, online portfolios, and other related topics. Upon completing this program, students will have developed the technical knowledge, language skills, and confidence needed for social and academic growth with improved digital literacy skills and knowledge to make a successful transition to office technology programs offered in career education, vocational trainings, and other related vocational fields.

Learning Outcome(s):

1. Upon completing this program, students will have developed higher-level digital literacy skills through technical knowledge, language skill development, and increased self-confidence needed for social and academic growth to make a successful transition to office technology courses and programs in Career Education.

Students must pass one of the following core courses:		96.0-216.0
ESL 301	Beginning Low	96.0-216.0
ESL 302	Beginning High	96.0-216.0
ESL 303	Intermediate Low	96.0-216.0
ESL 304	Intermediate High	96.0-216.0
ESL 305	Advanced Low	96.0-216.0
ESL 306	Advanced High	96.0-216.0
Must pass one of the following courses:		*36.0*
VBUS 502	Digital Literacy for Academic and Professional Success - Tier 3	36.0
VBUS 503	Digital Literacy for Real World Application – Tier 4	36.0
		Total: 132.0-252.0

ESL Transition to Adult Secondary Education (ASE): Certificate of Competency (Noncredit)

Program Code: CEC.ESLTA.COM

Program Control Number: 37200

This combination of courses is designed to transition students to Adult Secondary Education (ASE) courses.

Learning Outcome(s):

1. Students will take academic ESL, basic skill and Career Education courses to be able to take other classes in other programs.

Students must pass this course:		*72.0-96.0*
ESL 491	Advanced Grammar Review and Essay Writing	72.0-96.0
Students must pass one course:		*36.0–72.0*
HSRDG 089	Reading Proficiency Development	72.0
HSRDG 093	Building Reading Skills 1	72.0
VBUS 258	Navigating the Internet	36.0
VBUS 260	Introduction to Microsoft Word	60.0
LRN 750	Intensive Writing and Grammar	72.0
		Total: 108.0–168.0

ESL College Reading and Writing: Certificate of Competency (Noncredit)

Program Code: CEC.ESLRW.COM

Program Control Number: 41947

This combination of courses is designed to help students be more proficient in their reading and writing abilities in English by improving and increasing their reading and writing skills.

Learning Outcome(s):

1. Attain the reading and writing skills needed to take other credit/vocational program courses in the credit EMLS Program or other programs.

Take two courses:		*180.0*
ESL 612	College Reading and Writing I	90.0
ESL 613	College Reading and Writing II	90.0
		Total: 180.0

NONCREDIT COURSES

Adult Basic Education (ABE)

ABE 010

Money Matters: Financial Literacy

Credit(s): 0.000 Class Hours: 36.000-72.000 Lecture total.

Prepares the student for the adult world of financial management by developing sound decision-making skills in personal and family money matters. Five (5) high school elective credits may be awarded for completing ABE 010 if the student achieves the attendance and proficiency requirements to pass the class.

Open Entry/Open Exit

ABE 018

Leadership Basics, Part 2

Credit(s): 0.000 Class Hours: 36.000-72.000 Lecture total.

This is the second of a two-part leadership course in which students will refine their knowledge of effective leadership skills to create positive changes in the workplace, home, school, and the community. Students will apply their knowledge of leadership skills to create, direct and facilitate a student-centered event or conference designed to give them hands-on training in leading events. Five high school elective credits may be awarded for completing either ABE 018 or HSS 092. This course is the same as HSS 092.

Open Entry/Open Exit

ABE 023

Adult Basic Education Reading

Credit(s): 0.000 Class Hours: 36.000-72.000 Lecture total.

Instructs students in basic reading skills. Prepares students to take Adult Secondary Education, High School Equivalency, job training, or college credit classes. Recommended for ESL 305 students or above and/or placement by counselor assessment. Five high school elective credits may be granted for successful completion of this class.

Open Entry/Open Exit

ABE 024

Adult Basic Education Writing

Credit(s): 0.000 Class Hours: 36.000-72.000 Lecture total.

Instructs students in basic writing skills. Prepares students to take

Adult Secondary Education, High School Equivalency, job training, or college credit classes. Recommended for ESL 305 students or above and/or placement by counselor assessment. Five high school elective credits may be granted for successful completion of this class.

Open Entry/Open Exit

ABE 025

Adult Basic Education Math

Credit(s): 0.000 Class Hours: 36.000-72.000 Lecture total.

Instructs students in basic math skills. Prepares students to take High School Subjects courses, job training, GED Preparation, or college credit classes. Recommended for Intermediate ESL 2 students or above and/or placement by counselor assessment. Five High School elective credits may be granted for successful completion of this class.

Open Entry/Open Exit

ABE 027

Academic Vocabulary for Language Arts

Credit(s): 0.000 Class Hours: 15.000 Lecture total.

Instructs and familiarizes entry-level students in academic vocabulary for language arts. Prepares students to take high school subjects in language arts, job training, high school equivalency test preparation, or college credit classes.

Recommended for ESL 305 students or above and/or placement by counselor assessment. One high school elective credit may be granted for successful completion of this class.

Open entry/open exit.

ABE 028

Academic Vocabulary for Math

Credit(s): 0.000 Class Hours: 15.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in:

Instructs and familiarizes entry-level students in academic vocabulary for math courses. Prepares students to take high school subjects in math, job training, high school equivalency preparation, or college credit classes. Recommended for ESL 305 students or above and/or placement by counselor assessment. One high school elective credit may be granted for successful completion of this class.

Open Entry/Open Exit

ABE 029

Academic Vocabulary for Science

Credit(s): 0.000 Class Hours: 15.000 Lecture total.

Instructs and familiarizes entry-level students in academic vocabulary for science courses. Prepares students to take high school subjects in science, job training, high school equivalency preparation, or college credit classes. Recommended for Advanced ESL students or above and/or placement by counselor assessment. One high school elective credit may be granted for successful completion of this class.

Open Entry/Open Exit

ABE 030

Academic Vocabulary for Social Studies

Credit(s): 0.000 Class Hours: 15.000 Lecture total.

Instructs and familiarizes entry-level students in academic vocabulary for courses in social studies. Prepares students to take high school subjects in social studies, job training, high school equivalency preparation, or college credit classes. Recommended for Advanced ESL students or above and/or placement by counselor assessment. One high school elective credit may be granted for successful completion of this class.

Open Entry/Open Exit

ABE 031

Academic Vocabulary for Technology

Credit(s): 0.000 Class Hours: 15.000 Lecture total.

Instructs and familiarizes entry-level students in academic vocabulary for technology-related courses. Prepares students to take high school subjects using technology, job training, high school equivalency preparation, or college credit classes.

Recommended for Advanced ESL students or above and/or placement by counselor assessment. One high school elective credit may be granted for successful completion of this class.

Open Entry/Open Exit

ABE 036

Effective Writing for the Workplace

Credit(s): 0.000 Class Hours: 36.000-72.000 Lecture total.

Effective writing in the workplace is an essential skill. The rules are essentially the same for all types of writing, however, there are special issues that arise in the business context. Knowing the elements of good business writing can make or break a career.

This course addresses basic elements such as knowing your audience, punctuation and grammatical errors, effective use of passive voice, gender-neutral writing, formality, and other recent trends in business writing.

Open Entry/Open Exit

ABE 044

Leadership Basics Part 1

Credit(s): 0.000 Class Hours: 36.000-72.000 Lecture total.

Provides the first of a two-part leadership course in which students will learn and practice leadership techniques that will

help them create effective change in the workplace, home, school, and community. Students will improve their basic skills through intensive, interactive, student-centered activities. The course requires participation in the four areas of language acquisition: reading, writing, listening, and speaking. Recommended for ABE and ESL Intermediate and above students. Five high school elective credits may be awarded for completing either ABE 044 or HSS 090. This course is the same as HSS 090.

Open Entry/Open Exit

ABE 046

Attitudes for Success

Credit(s): 0.000 Class Hours: 36.000-72.000 Lecture total.

This class provides students with classroom discussion and information about attitudes and behaviors that influence success in their personal, educational, and career development. Five (5) high school elective credits may be awarded for completing ABE 046 if students complete and pass all course assignments and requirements.

Open Entry/Open Exit

ABE 111

Spanish Literacy for Adults

Credit(s): 0.000 Class Hours: 240.000-480.000 Lecture total.

This course assists native Spanish-speaking students in acquiring literacy in Spanish in order to facilitate the transition to beginning ESL courses. It focuses on basic reading and writing skills, including phonics decoding and encoding skills, as well as classroom and community engagement. Recommended for non- literate native speakers of Spanish. Taught in Spanish.

Open Entry/Open Exit

ABE 112

Beginning Spanish Literacy

Credit(s): 0.000 Class Hours: 80.000-160.000 Lecture total.

This course assists students in acquiring literacy skills in Spanish to facilitate their transition to Intermediate Spanish Literacy and ESL courses. It focuses on phonetic decoding and encoding skills, basic reading and writing skills, and basic mathematics. Taught in Spanish.

Open Entry/Open Exit

ABE 113

Intermediate Spanish Literacy

Credit(s): 0.000 Class Hours: 80.000-160.000 Lecture total.

This course assists students in acquiring literacy in Spanish to facilitate the transition to Advanced Spanish Literacy and ESL

courses. It focuses on reading and writing skills, including phonics, decoding and encoding, natural sciences, social sciences and math skills. Taught in Spanish.

Open Entry/Open Exit

ABE 114

Advanced Spanish Literacy

Credit(s): 0.000 Class Hours: 80.000-160.000 Lecture total.

This course assists students in acquiring literacy in Spanish in order to facilitate the transition to ESL, ABE, high school diploma, and high school equivalency courses. It focuses on higher level reading, writing, mathematics, science, and social science skills. Taught in Spanish.

Open Entry/Open Exit

ABE 137

Topics in Adult Basic Education

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

A specialized course to help students develop their basic reading and writing skills.

Open Entry/Open Exit

Citizenship (CTZN)

CTZN 020

Citizenship

Credit(s): 0.000 Class Hours: 48.000-96.000 Lecture total.

Provides basic knowledge and preparation for the United States Citizenship process and naturalization interview including language usage within the context of American history, government and civics.

Open Entry/Open Exit

Counseling - CEC (CNSL)

CNSL 303

Educational & Career Assessment

Credit(s): 0.000 Class Hours: 3.000 Lecture total.

Assist students with appropriate educational placement and/or an overview of student services, career and academic guidance information that is available in Continuing Education as a result of individual and group testing.

Open Entry/Open Exit

CNSL 305

Orientation to College

Credit(s): 0.000 Class Hours: 8.000-72.000 Lecture total.

Introduces college services and programs. Identifies and explores programs and services designed to assist students entering college credit courses. Variable credits from 1.5 high school electives credits up to 5 high school elective credits may be awarded upon passing the course.

Open Entry/Open Exit

CNSL 307

College Success Skills

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

This course focuses on college success strategies to prepare for college. Non-credit and credit career and academic pathways will be introduced. Success skills will be explored by identifying personal values, preferred learning modes, setting educational goals, college etiquette, and time management skills that relate to educational success as an adult learner. Five (5) high school elective credits may be awarded.

Open Entry/Open Exit

English As a Second Language (ESL)

ESL 120

ESL for Citizenship

Formerly:ESL Civics

Credit(s): 0.000 Class Hours: 72.000-144.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 302

Provides development in listening, speaking, reading, and writing English within the context of history and government in preparation for the United States Citizenship examination.

Open Entry/Open Exit

ESL 130

Multilevel English as a Second Language

Formerly:Topics in English as a Second Language

Credit(s): 0.000 Class Hours: 72.000-216.000 Lecture total.

A course using topics of interest to meet the language needs of multilevel English as a Second Language students. Five high school elective credits may be awarded if students pass required course posttests/assessments with 80% or higher.

Open Entry/Open Exit

ESL 300

Literacy

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

This is an ESL class for students who are not yet literate in English. Emphasizes communicative competence and basic functional language skills to meet immediate communication needs, including verbal and nonverbal strategies. Develops the ability of second language learners to recognize and read letters and numbers, and copy and produce the alphabet, numerals, and simple personal information.

Open Entry/Open Exit

ESL 301

Beginning Low

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 300 - Literacy or equivalent

For students with some literacy in English. Emphasizes language skills in everyday situations and immediate needs of adult English learners, focusing on listening comprehension and beginning oral production of simple conversations, reading of practiced words and phrases, and completing simple writing tasks in the context of school, work and community.

Open Entry/Open Exit

ESL 302

Beginning High

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 301 - Beginning Low or equivalent

Emphasizes comprehending and participating in simple conversations, communicating survival needs, and reading and performing written tasks in the context of college, career readiness, and civic participation.

Open Entry/Open Exit

ESL 303

Intermediate Low

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 302 - Beginning High or equivalent

Emphasizes comprehending and participating in conversations, communicating needs and opinions, reading from academic and informational text, and performing written tasks. Exposes students to authentic spoken and written content to prepare students for college, the workplace, and civic participation. Five high school elective credits may be granted upon passing the course.

Open Entry/Open Exit

ESL 304

Intermediate High

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 303 - Intermediate Low or equivalent

Emphasizes expanding oral language, critical and creative thinking skills in English, and reading comprehension of authentic academic and informational text. Written tasks focus on academic and workforce preparation, as well as increased community and civic participation. Five high school elective credits may be granted upon passing the course.

Open Entry/Open Exit

ESL 305

Advanced Low

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 304 - Intermediate High or equivalent

Emphasizes higher-level language skills, reading more complex passages with increased understanding, analysis, and improving academic and informational writing skills. Prepares students for academic and workforce success and civic participation. Five high school elective credits may be granted upon passing the course.
Open Entry/Open Exit

ESL 306

Advanced High

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 305 - Advanced Low or equivalent

Prepares students for academic and workforce success and civic participation. Emphasizes high-level language skills, conversations that convey complex thought patterns, and reading and writing strategies. This course uses authentic academic, informational, and technical reading materials that expand the use of creative and critical thinking skills. Five high school elective credits may be granted upon passing the course.

Open Entry/Open Exit

ESL 392

Writing and Developing a School Publication

Formerly:Writing and Computers: Developing a School Publication

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 303

This course offers writing, reading, presentation, and interviewing strategies for students in developing a school publication.

Students will work in groups on different sections of the publication and perform research. Publication regulations and requirements will be discussed. Five high school elective credits may be awarded if students pass required course posttests/ assessments with 80% or higher.

Open Entry/Open Exit

ESL 398

ESL Lab

Formerly:ESL Community Learning Center

Credit(s): 0.000 Class Hours: 72.000-216.000 Lecture total.

This course provides English language learners of all levels the opportunity to improve their language skills, while increasing knowledge of civics and computer literacy terms/phrases through individualized and small group instruction. Online learning software programs, desktop computer software, web-based instructional programs, and faculty-created OER curriculum are used to support and enhance student learning.

Open Entry/Open Exit

ESL 488

Basic Writing

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

This course will introduce beginning level English learners to basic sentence structure and the writing process.

Open Entry/Open Exit

ESL 489

Intermediate Writing

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 488, Basic Writing

This course will guide intermediate level English learners to develop their paragraph writing skills and strategies.

Open Entry/Open Exit

ESL 490

Intermediate Writing and Grammar

Formerly:Advanced Writing and Grammar

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 305

This course will strengthen writing skills with a focus on grammatical tenses, grammar and mechanics and the various sentence combining structures for cohesive paragraph writing. Five high school elective credits may be awarded if students pass required course posttests/assessments with 80% or higher.

Open Entry/Open Exit

ESL 491

Advanced Grammar Review and Essay Writing

Formerly:Advanced Writing and Grammar Review

Credit(s): 0.000 Class Hours: 72.000-96.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 306

This course will provide intensive review and practice on essay writing. It will include topic/thesis statement and organization of complex ideas in body paragraphs by following essay models. The course will review adjective, noun, and adverb clauses, and parallelism in sentences. Five high school elective credits maybe awarded if students pass required course posttests/assessments with 80% or higher.

Open Entry/Open Exit

ESL 510

English for Work 1

Formerly:ESL: English for Work 1

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

Prepares beginning level non-native English-speaking students to enter the workforce for general or specific occupations. Focuses on workplace communication, work-related vocabulary skills, job applications and postings, workplace safety and issues, and vocational readings with emphasis on verbal communication through basic language skills instruction.

Open Entry/Open Exit

ESL 520

English for Work 2

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 510 - English for Work 1 or equivalent

Prepares intermediate level non-native English speaking students to enter the workforce or a Career Education (CE)/vocational program for general or specific occupations. Focuses on communicating in the workplace, job safety, work-related vocabulary skills, workplace culture/issues, career pathways, and vocational readings with emphasis on verbal communication through intermediate language skills instruction. Five high school elective credits maybe awarded if students pass required course posttests/assessments with 80% or higher.

Open Entry/Open Exit

ESL 530

American English Pronunciation

Credit(s): 0.000 Class Hours: 96.000-216.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 302 - Beginning High or equivalent

Develops English language fluency and productive and receptive skills as they relate to sound discrimination, sound inventory, stress, intonation, linking, prominence, and rhythm. The course aims to help students understand English and be understood while functioning within communicative, employment, and academic contexts.

Open Entry/Open Exit

ESL 570

Conversation 1

Credit(s): 0.000 Class Hours: 72.000-144.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 302 - Beginning High or equivalent

Introduces intermediate conversational strategies in listening, language use, and nonverbal communication. Presents oral skills necessary for initiating, maintaining and closing conversations. Emphasis on oral skills that assist in social interactions and expansion of listening and speaking skills.

Open Entry/Open Exit

ESL 580

Conversation 2

Credit(s): 0.000 Class Hours: 72.000-144.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: ESL 304 - Intermediate High or equivalent

Introduces advanced conversational strategies in listening, language use, and nonverbal communication. Presents oral expressions necessary for enhancing conversation and listening skills. Emphasizes differences between formal and informal language based on attitudes and cultures in the United States.

Open Entry/Open Exit

ESL 610

Grammar for Better Writing I

Credit(s): 0.000 Class Hours: 54.000 Lecture total.

Recommended Preparation: Completion of EMLS self-guided placement is recommended. Taking EMLS 104 concurrently is recommended.

Sentence refining course for multilingual students who can speak English but often make grammar mistakes when writing. Basic grammar including verb tenses, verbals, modals, nouns, pronouns, compound and complex sentences. Revision and editing. Ten high school elective credits (COM) will be awarded if the student passes the class with 80% or higher in multiple measures assessments.

Open Entry/Open Exit

ESL 611

Grammar for Better Writing II

Credit(s): 0.000 Class Hours: 54.000 Lecture total.

Sentence refining course for bilingual students who can speak English but often make grammar mistakes when writing. Grammar focus is on sentence level accuracy, including transitions, the passive voice and multi-clause sentences. Revision and editing.

Ten high school elective credits (COM) will be awarded if the student passes the class with 80% or higher in multiple measures assessments.

Open Entry/Open Exit

ESL 612

College Reading and Writing I

Credit(s): 0.000 Class Hours: 90.000 Lecture total.

Reading and paragraph-level writing course for bilingual students who need to develop skills in reading academic material and writing academic paragraphs. Emphasis on connection between reading and writing, responding to reading critically, following the writing process and editing. Fifteen high school elective credits (COM) will be awarded if the student passes the class with 80% or higher in multiple measures assessments.

Open Entry/Open Exit

ESL 613

College Reading and Writing II

Credit(s): 0.000 Class Hours: 90.000 Lecture total.

Reading and short essay-level writing course for bilingual students who need to improve skills in reading academic material and writing academic essays. Emphasis on connection between reading and writing, responding to reading critically, following the writing process and editing. Fifteen high school elective credits (COM) will be awarded if the student passes the class with 80% or higher in multiple measures assessments.

Open Entry/Open Exit

ESL 720

ESL Transition to College Class

Credit(s): 0.000 Class Hours: 72.000-96.000 Lecture total.

This noncredit course prepares students for transition to Santa Ana College by developing language skills, critical reasoning and thinking, academic study skills and student success strategies. Five high school elective credits may be granted upon passing the course.

Open Entry/Open Exit

Health and Safety (SAFE)

SAFE 877

Health Issues & Concepts

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Provides a basic foundation in the issues and concepts of mental health, family and social health, the stages in the life cycle, medicine and drugs, and diseases and disorder. May earn five (5) high school elective credits if student completes all the required assignments with a minimum passing grade of 75%. Open Entry/ Open Exit.

SAFE 910

Basic Life Support (Adult, Infant, Child)

Credit(s): 0.000 Class Hours: 18.000-28.000 Lecture total.

This course is designed to provide participants with knowledge and practice of basic life support theory and skills as defined by the American Heart Association,(AHA) along with cardiopulmonary resuscitation (CPR), and automated external defibrillator (AED) procedures for infants, children, and adults. Taught according to the current AHA Guidelines for CPR and Emergency Cardiovascular Care (ECC) for adults, children and infants. Opportunity for American Heart Association CPR and AED certification when the AHA required skills and written test are successfully completed.

High School Subjects (HSS)

HSS 031

High School Equivalency Test Preparation

Credit(s): 0.000 Class Hours: 72.000-96.000 Lecture total.

Provides pre- and post-testing and individualized prescriptive instruction in preparation for the High School Equivalency exam. Covers test-taking strategies and the essentials of reading, writing, mathematics, science, and social studies.

Open Entry/Open Exit

HSS 035

High School Equivalency Test Preparation - Reading

Credit(s): 0.000 Class Hours: 72.000-96.000 Lecture total.

This course will prepare students for the Reading part of the High School Equivalency Exam. It provides pre- and post-testing individualized prescriptive instruction, direct instructed lessons on the essentials of the exam, and an overview of key test-taking strategies.

Open Entry/Open Exit

HSS 036

High School Equivalency Test Preparation - Writing

Credit(s): 0.000 Class Hours: 72.000-96.000 Lecture total.

This course will prepare students for the Writing part of the High School Equivalency Exam. It provides pre- and post-testing individualized prescriptive instruction, direct instructed lessons on the essentials of the exam, and an overview of key test-taking strategies.

Open Entry/Open Exit

HSS 037

High School Equivalency Test Preparation - Mathematics

Credit(s): 0.000 Class Hours: 72.000-96.000 Lecture total.

This course will prepare students for the Mathematics part of the High School Equivalency Exam. It provides pre- and post-testing individualized prescriptive instruction, direct instructed lessons on the essentials of the exam, and an overview of key test-taking strategies.

Open Entry/Open Exit

HSS 038

High School Equivalency Test Preparation - Social Studies

Credit(s): 0.000 Class Hours: 72.000-96.000 Lecture total.

This course will prepare students for the Social Studies part of the High School Equivalency Exam. It provides pre- and post-testing individualized prescriptive instruction, direct instructed lessons on the essentials of the exam, and an overview of key test-taking strategies.

Open Entry/Open Exit

HSS 039

High School Equivalency Test Preparation - Science

Credit(s): 0.000 Class Hours: 72.000-96.000 Lecture total.

This course will prepare students for the Science part of the High School Equivalency Exam. It provides pre- and post-testing individualized prescriptive instruction, direct instructed lessons on the essentials of the exam, and an overview of key test-taking strategies.

Open Entry/Open Exit

HSS 090

Leadership Basics, Part 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Introduces useful leadership skills. Information will be presented in academic format, but students will be required to demonstrate mastery through participation in student centered, hands-on activities. This course consists of ten stand-alone lessons. Open to HSS students.

Open Entry/Open Exit

HSS 092

Leadership Basics, Part 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides the student with ten stand-alone leadership training sessions. Continues the leadership training begun in Part 1. Information will be presented in academic format, but students will be required to demonstrate mastery through their participation in student centered, hands-on activities. Open to all HSS students.

Open Entry/Open Exit

HSS 221

Study Skills 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Develops student's study and test preparation skills. Introductory instruction in basic study skills, organizational skills,, goal setting, note taking, report writing, time management, test preparation, learning styles, effective communication skills. Provides learning opportunities for students to develop and master effective study skills for successful academic career achievement.

Open Entry/Open Exit

HSS 222

Study Skills 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Develops the student's study and test preparation skills. Second semester instruction in basic study skills, organizational skills, goal setting, note taking, report writing, time management, test preparation, learning styles, effective communication, and stress management skills. Provides learning opportunities for students to develop and master effective study skills for successful academic and career achievement.

Open Entry/Open Exit

HSS 770

Orientation to College

Credit(s): 0.000 Class Hours: 8.000 Lecture total.

Introduces college services and programs. Identifies and explores programs and services designed to assist students entering college credit courses. 1.5 high school elective credits may be awarded upon passing the course. Same as CNSL 305.

Open Entry/Open Exit

High School Subjects - Arts (HSART)

HSART 601

Music Theory 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This class provides a beginning level music course that introduces students to the vocabulary and basic principles of music. The primary emphasis will be on rhythm, pitch, and notation.

Open Entry/Open Exit

HSART 828

Understanding America Through Art

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides an overview of American civilization through arts and crafts from the colonial period through the 20th century, including periods and artistry in their historical context.

Open Entry/Open Exit

HSART 837

The Film As Art

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Traces the history of film from the recording of a single event through the silent film era to current classic films, and identifies the ways films reflect the values of American culture. Culminates in the use of classic and contemporary literature as a basis for modern film.

Open Entry/Open Exit

High School Subjects - English (HSENG)

HSENG 065

English Fundamentals 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Introduces students to basic concepts and skills of building vocabulary, grammar, parts of speech, writing sentences, and paragraphs.

Open Entry/Open Exit

HSENG 066

English Fundamentals 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Reinforces and expands the basic concepts of sentence structure, vocabulary, grammar, parts of speech, and writing skills.

Open Entry/Open Exit

HSENG 067

English Fundamentals 3

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides an intermediate English course that expands upon vocabulary, parts of speech, and grammar to accelerate writing skills.

HSENG 068

English Fundamentals 4

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides an advanced course in English vocabulary, grammar, parts of speech, writing skills, and general proficiency in the English language, both written and spoken.

HSENG 083

Composition 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides instruction and practice in the communication of ideas in written form. Emphasis on mastery of sentence and paragraph skills, including organization in terms of unity, support, and coherence in an effective, well-supported, one page composition.

HSENG 084

Composition 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Prepares the student to write well-conceived and well-executed two page essays. Meets the composition proficiency requirement. (Recommended for students who have completed Composition 1 or equivalent.)

HSENG 096

Building Vocabulary 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

A basic vocabulary course that provides practice in using context clues to develop vocabulary, and includes practice in synonyms, antonyms, matching words with meaning, adding words to readings, and sentence writing.

HSENG 097

Building Vocabulary 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

An intermediate vocabulary course that provides practice in using context clues to develop vocabulary and includes practice in synonyms, antonyms, matching words with meaning, adding words to readings, analogies, and sentence writing. Develops vocabulary skills needed to master state standardized tests.

HSENG 701

English 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Facilitates the development of reading and writing skills at the ninth-grade (first semester) level. Focuses on the instruction of literature, writing, vocabulary, research, communication, and study skills. The curriculum for this course is aligned to the California State Standards.

HSENG 702

English 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Facilitates the development of reading and writing skills at the ninth-grade (second semester) level. Focuses on the instruction of literature, writing, vocabulary, research, communication, and study skills. The curriculum for this course is aligned to the California State Standards.

HSENG 703

English 3

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This course is designed to provide students with the language skills needed to prepare them for college and career readiness. These skills are developed through the active reading of literary and informational texts, academic language development of text- embedded vocabulary, oral language practice, and writing of informational, argumentative, and narrative pieces. Students practice critical thinking, comprehension, and application skills through thematic units centered on topics, such as plot and conflict, themes and symbols, argument and persuasion, and drama. This course expands upon proficiencies in the fundamentals of reading and writing with focus on comprehension and mastery of syntax, grammar, punctuation, capitalization, spelling, and usage in written communication.

Students are exposed to a variety of literary and informational texts in order to construct coherent writing pieces that help to develop their own position and perspective on a variety of topics.

HSENG 704

English 4

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This course is designed to provide students with the language skills needed to prepare them for college and career readiness. These skills are developed through the active reading of literary and informational texts, academic language development of text- embedded vocabulary, oral language practice, and writing of informational, argumentative, and narrative pieces. Students practice critical thinking, comprehension, and application skills through thematic units centered on topics, such as plot and conflict, themes and symbols, argument and persuasion, and drama. This course expands upon proficiencies in the fundamentals of reading and writing with focus on comprehension and mastery of syntax, grammar, punctuation, capitalization, spelling, and usage in written communication.

Students are exposed to a variety of literary and informational texts in order to construct coherent writing pieces that help to develop their own position and perspective on a variety of topics.

HSENG 705

English 5

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This course is an integrated English course that incorporates both the Common Core State Standards for English/Language Arts and California's Academic Standards for English/Language Arts of the first half of grade 11 into the curriculum. The course is a study of language, literature, composition, and oral communication with a focus on exploring characterization across universal themes, such as the American Dream, and a wide variety of genres. Students use literary interpretation, analysis, comparison, and evaluation to read and to respond to representative works of historical or cultural significance appropriate for English 5. Students read classic and contemporary literature balanced with nonfiction--the major focus are American literature and media literacy regarding non-fiction texts. Students examine and compose various types of writing including, literary analysis, satire, synthesis, and narrative as well as deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online and printed information. Successful completion of this course will prepare students for rigorous senior-level courses focused in critical reading and effective written expression.

HSENG 706

English 6

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This course is an integrated English course that incorporates both the Common Core State Standards for English/Language Arts and California's Academic Standards for English/Language Arts into the 11th grade (second half of 11th grade) curriculum. The course is a study of language, literature, composition, and oral communication with a focus on exploring characterization across universal themes, such as the American Dream, and a wide variety of genres. Students use literary interpretation, analysis, comparison, and evaluation to read and to respond to representative works of historical or cultural significance appropriate for English 6. Students read classic and contemporary literature balanced with nonfiction--the major focus are American literature and media literacy regarding non-fiction texts. Students examine and compose various types of writing including, literary analysis, satire, synthesis, and narrative as well as deliver grade- appropriate multimedia presentations and access, analyze, and evaluate online and printed information. Successful completion of this course will prepare students for rigorous senior-level courses focused in critical reading and effective written expression.

HSENG 707

English 7

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This 12th grade (first half of 12th grade) course features continued refinement of writing skills, including literary analysis, research-oriented papers and projects, argumentation, exposition, narrative writing, and vocabulary growth. The literary study is a chronological survey of British literature and will include at least two British novels as out-of-class assignments. The purpose of this class is to prepare students to be able to communicate competently (reading, writing, speaking, and listening) in the workplace and in postsecondary educational pursuits.

HSENG 708

English 8

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This 12th grade (second half of 12th grade) course features continued refinement of writing skills, including literary analysis, research-oriented papers and projects, argumentation, exposition, narrative writing, and vocabulary growth. The literary study is a chronological survey of British literature and will include at least two British novels as out-of-class assignments. The purpose of this class is to prepare students to be able to communicate competently (reading, writing, speaking, and listening) in the workplace and in postsecondary educational pursuits.

High School Subjects - Math (HSMTH)

HSMTH 151

Principles of Mathematics

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This course consists of addition, subtraction, multiplication, division of whole numbers, fractions, and decimals. Other topics include percentages, geometry, unit conversions, and signed numbers.

Open Entry/Open Exit.

HSMTH 152

Pre-Algebra

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Introduction to variables, algebraic expressions, solving equations, inequalities, graphs, number and operation sense, estimation skills, and the ability to judge reasonableness of results will be strengthened in the context of practical applications and problem solving. (Recommended for students who have completed Principles of Mathematics or equivalent.)

Open Entry/Open Exit

HSMTH 154

Pre-Algebra A

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Covers language, symbolism, and fundamental operations skills required to prepare students for success in Algebra 1. Number and operation sense, estimation skills, and the ability to judge the reasonableness of results will be strengthened in the context of practical applications and problem-solving. Recommended for students who have completed Math Fundamentals 2 or equivalent. This is a BRIDGE course intended for students currently enrolled in Santa Ana Unified District High School.

Open Entry/Open Exit

HSMTH 155

Pre-Algebra B

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Covers language, symbolism, and fundamental operations skills required to prepare students for success in Algebra 1 and Geometry. Data analysis, spatial thinking, and the ability to judge the reasonableness of results will be strengthened in the context of practical applications and problem-solving. Recommended for students who have completed Pre-Algebra A or equivalent. This is a BRIDGE course intended for students currently enrolled in Santa Ana Unified District High School.

Open Entry/Open Exit

HSMTH 158

Math Fundamentals 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provide instruction in whole numbers, fractions, decimals, percents, geometric formulas, and signed numbers.

HSMTH 163

Algebra 1A

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides instruction in sets, numbers, formulas, monomials, exponents, square roots, the laws of the sign, binomials, and simultaneous equations. Course content and outcomes align with Santa Ana Unified District high school graduation requirements.

Open Entry/Open Exit

HSMTH 164

Algebra 1B

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: Algebra 1A or equivalent

Provides instruction in co-ordinate systems, graphing of linear equations, simultaneous equations of fractions, ratio, proportion, factoring, formulas, inequalities and square roots. Course content and outcomes align with Santa Ana Unified District high school graduation requirements.

Open Entry/Open Exit

HSMTH 165

Algebra 2A

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides students with a course of study in equations and inequalities; linear equations and functions; systems of linear equations and inequalities; matrices and determinants; quadratic functions; polynomials and polynomial functions; and powers, roots, and radicals. This is a BRIDGE course intended for students currently enrolled in Santa Ana Unified District High School.

Open Entry/Open Exit

HSMTH 166

Algebra 2B

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: HSMTH 165 - Algebra 2A or equivalent

Provides students with a course of study that includes: exponential and logarithmic functions, rational equations and functions, quadratic relations and conic sections. The course will also cover sequences and series, probability and statistics, trigonometric ratios and functions, and trigonometric graphs.

Course content and outcomes align with Santa Ana Unified District high school graduation requirements.

Open Entry/Open Exit

HSMTH 167

Geometry A

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This course covers topics in basic geometry, reasoning and proofs, perpendicular and parallel lines, congruent triangles, properties of triangles, and quadrilaterals. Recommended for students who have completed ten units of Algebra. Course content and outcomes align with Santa Ana Unified District high school graduation requirements.

Open Entry/Open Exit

HSMTH 168

Geometry B

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: HSMTH 167 - Geometry A or equivalent

This course covers topics in transformations, similarity, right triangles and trigonometry, circles, areas of polygons and circles, and surface area and volume. Course content and outcomes align with Santa Ana Unified District high school graduation requirements.

Open Entry/Open Exit

HSMTH 172

Basic Consumer Math 1A

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides a comprehensive review of arithmetic skills that apply to personal and vocational opportunities. Topics covered include whole number operations, customary and metric units, fractions, decimals, and percents. Skills are then applied to use in earning money, buying food, shopping for clothes, managing a household, buying and maintaining a car, and working with food.

HSMTH 173

Basic Consumer Math 1B

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Students will use practical computational skills to solve common problems in a consumer's life including home improvements, traveling costs, budgeting for household expenses, banking and investing, paying real estate and sales taxes, and preparing for careers.

Open Entry/Open Exit

HSMTH 190

Math for College and Career Readiness

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Contextualized math course to prepare students for successful transition to college, apprenticeships, and employment. Topics include numeracy, fractions, decimals, unit conversion, ratios, proportions, algebra, measurement, basic geometry and statistics. This course is designed to help students learn and apply basic math skills in the context of their specific career pathway such as automotive, welding, manufacturing, biotechnology, pharmacy technology, construction, and others.

Open Entry/Open Exit

High School Subjects - Natural Sciences (HSSCI)

HSSCI 166

Introduction to Healthcare Sciences

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Introduces students to basic medical terminology, explore basic anatomy and physiology, be introduced to microbiology, and gain an understanding of common diseases.

Open Entry/Open Exit

HSSCI 170

Biology 1A

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

The course provides instruction in the study of life, the chemical foundation of life, biological macromolecules, the cell, genetics, and evolutionary processes.

Open Entry/Open Exit

HSSCI 171

Biology 1B

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

The course provides instruction in ecology, plant anatomy, diversity of life, and the animal kingdom.

Open Entry/Open Exit

HSSCI 172

Environmental Science 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This first semester of Environmental Science, an interdisciplinary life and physical science course, introduces students to core concepts in ecology and human impacts on the natural world. Students will explore the principles of environmental science, ecosystem dynamics, interdependence of organisms, and population growth with its influencing factors.

Open Entry/Open Exit

HSSCI 173

Environmental Science 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This second semester of Environmental Science, an interdisciplinary life and physical science course, examines how human activities impact air, water, land, and energy resources. Students will explore renewable and nonrenewable energy, human impacts on ecosystems, and ways to influence environmental policy. The course also introduces careers in environmental science and encourages students to consider solutions for a sustainable future.

Open Entry/Open Exit

HSSCI 185

Earth Science 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides instruction in the principles and concepts of earth science. The earth's processes and place in the universe will be examined.

Open Entry/Open Exit

HSSCI 188

Earth Science 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides instruction in the principles and concepts of earth science. The earth's matter and features will be examined.

Open Entry/Open Exit

HSSCI 190

Physical Science 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

The course surveys the principles and concepts of physical science, including matter, atoms, chemical bonds and reactions, solutions, acids, bases, and carbon chemistry.

Open Entry/Open Exit

HSSCI 191

Physical Science 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

The course surveys the principles and concepts of physical science, including motion, force, work, energy, sound, and electricity.

Open Entry/Open Exit

HSSCI 192

Basic Science 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Surveys basic principles and concepts of general science including Earth, space, and physical science. Examines minerals, rocks, the atmosphere, weather, climate, and the earth in space. Discusses properties and classes of matter, Newton's Laws of Motion, energy, and energy resources.

Open Entry/Open Exit

HSSCI 196

Health Science

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides a basic foundation in personal health, nutrition, body functions, first aid and community health.

Open Entry/Open Exit

High School Subjects - Other (HSOTH)

HSOTH 640

Vietnamese 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This course is designed to teach students the foundations of the Vietnamese language, including pronunciation, elementary vocabulary and basic sentence structure. It will give additional emphasis to building proficiency in simple conversations, understanding essential written texts, and appreciating Vietnamese culture through real-world scenarios.

Open Entry/Open Exit

HSOTH 740

Spanish 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Spanish 1 is an introduction to Spanish Language and focuses on the four key areas of foreign language study: listening, speaking, reading, and writing. The primary purpose of the course is to prepare students with the foundational skills to communicate effectively in Spanish while being aware of the cultural influences of the Spanish language and Latino heritage at home, in their community, and abroad. Students enrolled in this course will learn basic conversational vocabulary, greetings, the alphabet, numbers, time, and conjugation of present tense verbs. As part of the course, students will engage in reading, writing, listening, and Spanish speaking activities.

Open Entry/Open Exit

HSOTH 742

Spanish 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Spanish 2 builds on the fundamental language elements taught in Spanish 1 and continues to focus on the four language skills: reading, writing, speaking, and listening in the target language.

Through this course, students broaden their knowledge of Spanish grammatical structures and vocabulary allowing them to communicate ideas using various tenses. Students are challenged to further develop their language skills and their comprehension of Spanish. Students will also analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries, which allow connections to be made with their own culture.

Open Entry/Open Exit

HSOTH 743

Spanish 3

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Spanish 3 builds on the fundamental language elements taught in Spanish 2 and expands to focus on the four language skills: reading, writing, speaking and listening in the target language.

Students will elaborate on ideas, ask and answer questions, narrate and describe in sentences and understand short oral and written passages. They will extend their language skills, become more accurate in the language they produce, and comprehend a greater variety of texts and, generate responses, and initiate interactions in the language in ways that are more complex. They will recognize the interrelatedness of cultural products, practices, and perspectives of Spanish-speaking Countries.

Open Entry/Open Exit

HSOTH 744

Spanish 4

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Spanish 4 builds on the fundamental language elements taught in Spanish 3 and expands to focus on the four language skills: reading, writing, speaking, and listening in the target language.

This course is designed for students wishing to refine and enhance the language skills and cultural knowledge acquired in the prior years of study. While it is expected that students have been introduced to many of the main concepts of Spanish grammar, we will continue to review and practice these concepts in the context of conversation, reading, and writing. New concepts introduced in level 4 are the Preterite and the Present Progressive tenses.

Open Entry/Open Exit

High School Subjects - Reading (HSRDG)

HSRDG 089

Reading Proficiency Development

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Enables students to become proficient in practical, content and reference skills as well as to improve general comprehension and vocabulary skills. This course is in preparation for the district reading proficiency examination.

Open Entry/Open Exit

HSRDG 093

Building Reading Skills 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides an opportunity for skill development in word recognition, comprehension, study and content reading skills necessary for success in the High School Subjects program. Computer-aided instruction is included.

Open Entry/Open Exit

High School Subjects - Social Sciences (HSSOC)

HSSOC 215

Introduction to Economics

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Introduces the basic concepts of economics. Explores the basic questions of every economic system. Examines money, the role of consumers, workers, businesses, and governments.

Open Entry/Open Exit

HSSOC 218

U.S. History 1: Colonization to Industrialization

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Surveys events, movements, and personalities in United States history from the colonial period through reconstruction, westward expansion, and industrialization. Includes immigration, plight of Native and African Americans, reform movements, and geographical influences in the history of the United States.

Open Entry/Open Exit

HSSOC 219

U.S. History 2: Shaping of Modern America

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Examines United States history from the beginning of industrialization to present. Emphasizes the emergence of

America on the international, economic, geographical, social, and political scene.

Open Entry/Open Exit

HSSOC 221

Psychology

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides students with knowledge of the basic principles of psychoanalysis, behaviorism, the interpersonal model, humanism, existentialism and phenomenology, as well as other concepts applied to the self.

Open Entry/Open Exit

HSSOC 222

Government 1: U.S. Federal Government and Politics

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Examines the development of the federal government from colonial times and the structure of contemporary government. Explores the economic, social, and political influence on American citizens and their civic duties and responsibilities.

Open Entry/Open Exit

HSSOC 224

World Geography 1A

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides a basic foundation for understanding physical geography and the cultural and economic variables in the relationship with the earth and its history. Introduces Northern America, Latin America, Europe, and Russia. Includes geography skills such as map reading, interpretation of graphs and diagrams, and map identification.

Open Entry/Open Exit

HSSOC 225

World Geography 1B

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides an overview of certain areas of the world in terms of their physical, cultural, historical, and economic geography. Introduces North Africa, the Middle East, Africa south of the Sahara, the Asian Region, and the Pacific World. Includes geography skills such as map reading, interpreting graphs, and analyzing data from a chart.

Open Entry/Open Exit

HSSOC 226

Ethnic Studies

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This course is designed to broaden students' understanding of the experiences of four groups in American history: Native Americans, Black or African Americans, Asian Americans and Latino Americans. By studying historical and contemporary issues of race, ethnicity, nationality, sexuality, and culture, students will build empathy for individuals, solidarity with these and other historically-marginalized groups of Americans, and become more conscious about their own personal connections to American history.

Open Entry/Open Exit

HSSOC 228

World History

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Offers the student a chronological understanding of world history in a sequence of events from the time before hominids became fully human, to the introduction to the new millennium. Addresses culture and geography in the context of world history.

Open Entry/Open Exit

HSSOC 231

Modern World History 1

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides students with a study of the major events that shaped the modern world, from the eighteenth century through the First World War. Students will trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues.

HSSOC 232

Modern World History 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides students with a study of the major events that shaped the modern world, from the end of the First World War to the present. Students will develop an understanding of current world issues and relate them to their historical, geographic, political, and economic contexts.

Open Entry/Open Exit

Learning (LRN)

LRN 084

Composition 2

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Prepares the student to write well-conceived and well-executed five-paragraph essays, expository paragraph writing emphasizing various methods including argumentation, reading analysis, and research. Practice in refining sentence skills and grammar. A minimum grade of B (80%) in LRN 84 will serve as a prerequisite to English 101 without support. Meets the High School Composition Proficiency requirement. Students may be awarded 5 high school English core credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit.

LRN 095

Supervised Tutoring

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Supervised individual and group tutoring to assist students in reading, writing, and mathematics, science, business, and software applications for students enrolled at Santa Ana College School of Continuing Education and/or Santa Ana College course(s) for which tutoring is requested. Referral by counselor or instructor based on assessed academic need.

Open Entry/Open Exit

LRN 164

Introductory Algebra

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides instruction in basic algebra concepts, math vocabulary, and algebraic operations. This course is intended to be a bridge from basic arithmetic to elementary algebra. Students may be awarded 5 high school math credits if they complete and pass all course assignments and requirements.

Open entry/open exit.

LRN 165

College Algebra Prep

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

This course is intended to equip students with the necessary foundational knowledge and skills to succeed in college algebra. Emphasis is placed on enhancing mathematical reasoning, problem-solving abilities, and critical thinking. Through rigorous practice and conceptual understanding, students will develop the proficiency required for more advanced algebraic coursework.

This course is an essential preparatory step for students aiming to excel in College Algebra.

Open Entry/Open Exit

LRN 750

Intensive Writing and Grammar

Credit(s): 5.000 Class Hours: 72.000 Lecture total.

Provides intensive review and practice of writing strategies and advanced grammar. Concentrates on the writing process and development of various essay types along with verb tenses, adjective, noun, and adverb clauses. Recommended completion of ESL 707, HS English 067 and 068 or equivalent, with a minimum passing grade. Students may be awarded 5 high school English credits if they complete and pass all course assignments and requirements. Open Entry/Open Exit.

Older Adults (OAP)

OAP 200

Health and Wellness

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Provides information and discussion related to current and relevant health and wellness topics. Students will research techniques, decision making and communication skills to enhance learning.

Open Entry/Open Exit

OAP 457

Music Arts for Older Adults

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Provides a positive framework for developing and enhancing music appreciation, vocal and instrumental skill. Emphasis will be on activities designed to encourage creative expression.

Open Entry/Open Exit

OAP 518

Creative Cooking for Older Adults

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Designed to enhance awareness of current cooking techniques. Demonstrations and lectures include information on basic nutrition and consumer awareness. A variety of cooking appliances and methods are utilized.

Open Entry/Open Exit

OAP 521

Nutrition to Optimize Mind and Body Functions

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Provides information and discussion related to current and relevant nutrition research on nutrients that preserve and support brain health and overall wellness topics are covered. Students research cooking and food storage techniques that enhance the bioavailability of these nutrients in foods.

Open Entry/Open Exit

OAP 522

Sustainable Cooking in the Southwest and Selected Regions

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Provides information and discussion related to sustainable agriculture, basic nutrient management, and exploration of the local community food systems. Students research shopping, cooking, and food storage techniques that support a sustainable diet in selected geographical regions.

Open Entry/Open Exit

OAP 802

Seminar for Older Adults

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Provides information and a discussion forum related to the examination of concerns common to older adults. Discovers specific needs and interests and examines current news events as interpreted through historical background and current political/ regional developments and changes.

Open Entry/Open Exit

OAP 823

Manipulative Skills for Older Adults

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Concentrates on maintenance and improvement of motor skills and decision making through utilization of a variety of art media and techniques. Provides opportunities for analysis and decision making skills while exercising basic manipulative skills.

Open Entry/Open Exit

Parent Education (PRNT)

PRNT 151

Building Study & Portfolio Writing Skills for Early Care Educators I

Credit(s): 0.000 Class Hours: 15.000-30.000 Lecture total.

Corequisite: Concurrent enrollment in: PRNT 559

This course is for students enrolled in the primary course to acquire professional writing and presentation skills necessary to create digital and physical portfolios for their childcare associate credentialing.

PRNT 152

Building Study & Portfolio Writing Skills for Early Care Educators II

Credit(s): 0.000 Class Hours: 15.000-30.000 Lecture total.

Corequisite: Concurrent enrollment in: PRNT 560

Provides more advanced instruction for professional writing and industry approved presentations to complete digital and physical portfolios necessary for credentialing in the early educator fields. This is the second of two courses.

PRNT 527

Pre-Kindergarten

Credit(s): 0.000 Class Hours: 132.000 Lecture total.

Provides the opportunity for parents and others to learn the importance of providing appropriate early childhood experiences and preparing children for a successful kindergarten experience. Topics include school readiness, how to transform children's everyday world into an exciting learning environment, and how to stay positively involved in children's education.

PRNT 528

Increasing Parent Awareness of U.S. Schools

Credit(s): 0.000 Class Hours: 132.000 Lecture total. Develops awareness of school systems in the United States.

Introduces content standards and expectancies for different grade levels. Includes teaching and learning processes, strategies to support school children at home, pre-collegiate preparation of children, and college options.

Open Entry/Open Exit

PRNT 557

Early Childhood Education: Principles and Practices

Credit(s): 0.000 Class Hours: 96.000 Lecture total.

Bilingual (Spanish/English) course designed to introduce Spanish speaking students who are considering a career as teachers or aides to the scope of early childhood education. This class meets state licensing requirements for aides and limited-English caregivers in Early Childhood Education programs. May award five elective credits.

Open entry/open exit (same as Human Development 070).

PRNT 558

Early Childhood Care and Development For Family Child Care Providers

Credit(s): 0.000 Class Hours: 84.000 Lecture total.

Provides knowledge about the care and development of young children for family child care providers seeking state licensing.

PRNT 559

Building Essential Competencies in Health, Education, and Advocacy for Infants, Children, & Families I

Credit(s): 0.000 Class Hours: 42.000-50.000 Lecture total.

Corequisite: Concurrent enrollment in: PRNT 151

This course is designed to provide a comprehensive in-depth study for early professional educators. The focus is on competency standards, building literacy, and practicing working with young children in preparation for being a child development associate as part of the pre-apprenticeship early educators pathway. This is the first of two courses.

PRNT 560

Building Essential Competencies in Health, Education, and Advocacy for Infants, Children & Families II

Credit(s): 0.000 Class Hours: 32.000-40.000 Lecture total.

Corequisite: Concurrent enrollment in: PRNT 152

This course focuses on students demonstrating competence and practice in the functional areas, and understanding the credentialing process for the child development associate as part of the pre-apprenticeship pathway. This is the second of two courses.

PRNT 562

Health Education for Family Child Care Providers

Credit(s): 0.000 Class Hours: 32.000-60.000 Lecture total.

Provides family child care providers with health and safety information related to licensing.

Open Entry/Open Exit

Secondary Subjects GED (HSGED)

HSGED 031

GED Test Preparation

Credit(s): 0.000 Class Hours: 360.000 Lecture total.

Provides pre and post testing and individualized prescriptive instruction in preparation for the GED test. Covers test-taking strategies and the fundamentals of social studies, mathematics, science, reading, and writing.

Substantial Disabilities (SSD)

SSD 100

Basic Sign Language Communication for Families of Deaf and Nonverbal Children

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Designed as an introductory course to teach basic ASL vocabulary and phrases to help students and community members of families communicate with deaf and hard of hearing children and adults with an emphasis on helping parents.

Open Entry/Open Exit

SSD 350

Signing Exact English for Parents of Deaf Children

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Designed as an introductory course to teach Signing Exact English and the manual alphabet.

Open Entry/Open Exit

SSD 400

Developmentally Disabled Adults Job Coach Training

Credit(s): 0.000 Class Hours: 180.000-244.000 Lecture total.

Students will develop knowledge of and acquire the necessary skills to assist developmentally disabled clients in their daily lives.

SSD 495

Personal Development & Grooming for Developmentally Disabled Adults

Credit(s): 0.000 Class Hours: 65.000-95.000 Lecture total.

Assists developmentally disabled adults in acquiring skills necessary to attain interpersonal relationships, social behavioral, grooming, and physical fitness skills. Students will work in groups and independently toward grooming awareness and physical fitness activities. Exercises are tailored to students abilities.

Open Entry/Open Exit

SSD 788

Independent Living Skills for Adults With Developmental Disabilities

Credit(s): 0.000 Class Hours: 180.000 Lecture total.

Assists adults with developmental disabilities to attain a higher functional level for independent living in these areas: health and nutrition, personal appearance, communication, manners, money management, safety and consumer awareness, transportation, social interaction and practical reading, writing and math skills related to home and community settings.

Open Entry/Open Exit

SSD 792

Handicapped Adults Topics

Credit(s): 0.000 Class Hours: 72.000-216.000 Lecture total.

Specialized courses on topics related to the needs of students in Handicapped Education.

Open Entry/Open Exit

Vocational - Automotive (VAUTO)

VAUTO 668

Introduction to Automotive

Formerly: Introduction to Automotive Vehicle Systems

Credit(s): 0.000 Class Hours: 45.000 Lecture total, 27.000 Lab total.

Introduction to the primary automotive systems used on modern vehicles. Theory, parts nomenclature, and description of system operation are emphasized. This course is intended for students seeking technical knowledge, with hands-on lab work, and future employment as an automotive service technician. May award five (5) high school elective credits if the student completes all the required assignments with a minimum passing grade of 70%. Upon completion of VAUTO 668, students will earn credit for AUTO102 through the credit by exam process.

Open Entry/Open Exit

VAUTO 669

Introduction to Diesel-Electric Technology

Credit(s): 0.000 Class Hours: 36.000 Lecture total, 27.000 Lab total.

This introductory course explores the emerging field of Diesel-Electric Transportation Technology (DETT). Students will gain foundational knowledge of diesel power and alternative fuels systems, electric drivetrains, hybrid technologies, hydrogen technologies, and high-voltage safety practices. The course emphasizes the fundamentals of diesel and electric equipment while also examining labor market trends, salaries, industry outlooks, and career opportunities. Designed for students considering careers in transportation technology. The course introduces key regulatory standards, industry practices, and pathways to advanced technical training and certifications. Field trips may be required. Four (4) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VAUTO 669, students will earn credit for DETT 101 through the credit by exam process.

VAUTO 670

Introduction to Preventative Maintenance Inspection

Formerly:Preventative Maintenance Inspection

Credit(s): 0.000 Class Hours: 36.000 Lecture total, 27.000 Lab total.

This course provides students with basic knowledge and skills in medium and heavy-duty truck maintenance. Safety, inspections, and hands-on practice are emphasized. Close overview of CHP and DOT safety and maintenance inspection format and records filing. Introduction to electric heavy-duty vehicle systems and inspection. Field trips may be required. Four (4) high school elective credits will be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VAUTO 670, students will earn credit for DETT 181 through the credit by exam process.

VAUTO 672

Engine Repair

Credit(s): 0.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VAUTO 668 and AUTO 102

This course deals with tear-down, assembly, diagnosis, and repair of gasoline automotive engines. Accurate engine measurements are highlighted. Hands-on practice of engine repair skills is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A1 (Engine Repair) ASE certification exam. Field trips may be required. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

VAUTO 674

Bus Operator/Driver Training

Credit(s): 0.000 Class Hours: 24.000 Lecture total, 32.000 Lab total.

This course prepares students for the California Commercial Learner's Permit (CLP). Students will review information in the California Commercial Driver Handbook, including sample test questions, and study skills to help them successfully pass the CLP examination. Moreover, students will receive behind-the-wheel and vehicle inspection training, instruction on how to provide exceptional customer service, and employment preparation (e.g., interview skills, completing applications). Three (3) high school elective credits wil be awarded if a student passes the course with a minimum grade of 70%

VAUTO 676

Automatic and Manual Transmissions & Transaxles

Credit(s): 0.000 Class Hours: 144.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VAUTO 668

This course will cover the theory, operation, diagnosis, and service procedures of automatic and manual transmissions and transaxles. The course also covers four-wheel drive, all-wheel drive, axles, driveshafts, and constant velocity axles. Safe and correct hands-on testing and service procedures are emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A2 (Automatic Transmission/ Transaxles) and A3 (Manual Drive Train) ASE certification exams. Field trips may be required. Students may be awarded 10 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VAUTO 678

Electrical Fundamentals

Credit(s): 0.000 Class Hours: 72.000 Lecture total, 72.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VAUTO 668 or AUTO 102

Introduction to the basic operating principles of electrical and electronic devices used in modern vehicles. Hands-on digital multimeter testing is highlighted. Safe and correct use of tools and equipment by students will be emphasized. The course will also include Ohm's law, circuit testing, electromagnetism, batteries, starters, and alternators. Students must furnish their own approved safety glasses. This course assists students in preparation for the A6 (Electrical/Electronics) ASE certification exam. Field trips may be required. May award ten (10) high school elective credits if student completes all the required assignments with a minimum passing grade of 70%. Upon completion of VAUTO 678, students may earn credit for AUTO 116 through the credit by exam process.

VAUTO 680

Introduction to Hybrid/Electric Vehicles

Credit(s): 0.000 Class Hours: 63.000 Lecture total, 81.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VAUTO 668 Introduction to Automotive Vehicle Systems or AUTO 102 Introduction to Automotive and VAUTO 678 Electrical Fundamentals or AUTO 116 Electrical Fundamentals

This course will explore the function, operation, and design of hybrid/electric vehicles. The course will also focus on safe practices and procedures when working with high voltage systems. Students will build a purpose-built electric vehicle in the course and study current electric vehicle manufacturers. Students will work on hybrid transaxles also. High voltage systems will be examined, along with battery designs, AC and DC power motors, and electrical inverter/converters. Fuel cell vehicles are also included in the course content. Field trips may be required. Ten (10) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VAUTO 680, students may earn credit for AUTO 260 through the credit by exam process.

Vocational - Business (VBUS)

VBUS 035

Generative AI for Small Business

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Introductory course on how to employ generative artificial intelligence (GenAI) tools for a small business. Applies use cases for using AI in small businesses, including research, creating tables and schedules, generating images for logos, conducting a SWOT (strengths, weaknesses, opportunities, and threats) analysis, and developing a business plan with the assistance of GenAI tools. Four high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

VBUS 118

Microsoft Windows Overview

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 259 or VBUS 500 or VBUS 501 or VBUS 502 or VBUS 503

Provides students with a complete introduction to Microsoft's new operating system and basic computer concepts to ensure students develop the skills they need to effectively use a computer. The beginning of the course focuses on skills and tools that students will use every day, aiding productivity in school and at work. These features include starting and properly shutting down the computer, logging in, using a mouse, navigating the desktop, program controls, working with menus, using the taskbar, basic word processing, switching between apps, working with apps, using email, and email safety. As students advance in the course, file management and organization is reviewed where students save files and create folders both on the local PC and in the cloud. Microsoft's web browser, focusing on effective web searches, how to protect against internet threats, Outlook Online, Word Online, OneDrive, and how to manage setting and preferences within Windows are covered as well. Four high school elective credits may be awarded if a student passes the course with a minimum grade of 70%, or achieves a minimum score of 85% on a challenge course by exam.

Open Entry/Open Exit

VBUS 123

Introduction to Computer Software & Online Applications

Credit(s): 0.000 Class Hours: 12.000-36.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 259 or VBUS 500 or VBUS 501 or VBUS 502 or VBUS 503

Provides instruction on the basic skills needed to perform tasks on computer software such as, but not limited to, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Outlook, Adobe Photoshop, and online applications. The standards reviewed in this course reflect basic computer competency benchmarks common to many jobs.

Open Entry/Open Exit

VBUS 124

Introduction to Keyboarding I

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 259 Orientation to Computers or VBUS 500 or VBUS 501 or VBUS 502 or VBUS 503

Provides introductory instruction for keyboarding by touch and skill building drills to achieve speed and accuracy. Emphasis is placed on proper posture, typing on a computer without looking at the keyboard, and using proper finger and hand placement. Four (4) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%, or achieves a minimum score of 85% on a challenge course by exam.

Open Entry/Open Exit

VBUS 125

Introduction to Keyboarding II

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 124

Provides additional practice in keyboarding by touch through the production of business and academic documents and tables. All students learn Microsoft Word as they advance through the course. Extensive accuracy and speed development is offered.

Four (4) high school elective credits may be awarded if a student passes the course with a minimum grade of 70% , or achieves a minimum score of 85% on a challenge course by exam..

Open Entry/Open Exit

VBUS 200

Topics in Business Skills

Credit(s): 0.000 Class Hours: 12.000-72.000 Lecture total.

Topics taught in this course vary. It's a specialized course that covers topics that are current or immediate needs of students in the Vocational Business Skills program and/or industry.

Open Entry/Open Exit

VBUS 215

Administration I: Programs in Early Childhood Education (DS6)

Credit(s): 0.000 Class Hours: 54.000 Lecture total.

Corequisite: Completion of or concurrent enrollment in: PRNT 151 and PRNT 559

This course is an introduction to the administration of early childhood programs. Students will learn about program types, budget, management, regulations, laws, development and implementation of policies and procedures. Additionally, they will examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program.

VBUS 240

Practical Computer & Internet Skills for Parents & Guardians

Credit(s): 0.000 Class Hours: 12.000-24.000 Lecture total.

This course is designed to help parents or guardians learn the computer and internet skills that they will be able to use immediately to help their children, family and themselves succeed in school and with daily tasks. Parents or guardians will learn essential skills like how to navigate popular software and online programs, and internet security. Course sessions are taught in various languages including, but not limited to, English, Spanish, and Vietnamese.

Open Entry/Open Exit

VBUS 243

Introduction to Customer Service Skills

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Provides basic customer service training in: achieving high customer satisfaction; developing strong listening and communication skills; developing effective telephone skills; handling challenging customer situations; solving and preventing incidents and problems; working in a team; and minimizing stress and avoiding burnout. In short, students will learn how to apply excellent customer service in any work setting. Students may be awarded 4 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VBUS 244

Introduction to Microsoft Access

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 118 VBUS 118 Microsoft Windows Overview, and VBUS 262

This course is an introduction to Microsoft Access - a database management system. Students will learn how to: design and use databases by creating tables, queries, forms and reports; create relationships between tables; and sort and filter data. Businesses use relational databases to manage their data. This course prepares students to understand and use Microsoft Access and databases in general, thereby assisting them in workforce preparation. Four (4) high school elective credits may be awarded if a student passes the course with a minimum grade of 70% or achieves a minimum score of 85% on a challenge course by exam.

Open Entry/Open Exit

VBUS 245

Introduction to Microsoft Publisher

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 118 and VBUS 260 VBUS 260 Introduction to Microsoft Word

This course introduces students to Microsoft Publisher which is a desktop software application. Students obtain the skills to create and produce publications such as flyers, newsletters, brochures, greeting cards, certificates, newsletters, invitations, and other printed publications. Four (4) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%, or achieves a minimum score of 85% on a challenge course by exam.

Open Entry/Open Exit

VBUS 258

Navigating the Internet

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 500 or VBUS 501 VBUS 502 or VBUS 503

Provides students with a basic introduction to accessing and using the internet. Topics include basic internet terms and concepts, browsing the Web, searching the Web, and communicating online. Two (2) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%, or achieves a minimum score of 85% on a challenge course by exam.

Open Entry/Open Exit

VBUS 259

Orientation to Computers

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

This course is designed to familiarize students with the fundamentals of computer hardware and software/applications. It also introduces the Windows operating system, word processing and slides software/applications, email, and internet. Four high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

VBUS 260

Introduction to Microsoft Word

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 118 or VBUS 259 or VBUS 500 or VBUS 50

. Students will learn procedures for creating, editing, and formatting office/business documents of varying complexities. They will create business letters and tables, use mail merge, illustrate documents with graphics, and more. Four (4) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%, or achieves a minimum score of 85% on a challenge course by exam.

Open Entry/Open Exit

VBUS 262

MS Excel

Formerly:Introduction to Microsoft Excel

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: VBUS 118 is recommended. VBUS 124 is recommended.

Provides students with introductory instruction to spreadsheet concepts and software using Microsoft Office Excel. Students will learn how to create a worksheet, use formulas and functions, insert charts and tables, and more. Four high school elective credits may be awarded if a student passes the course with a minimum grade of 70% , or achieves a minimum score of 85% on a challenge course by exam. This course will prepare students for Santa Ana College credit course BA 188 Microsoft Excel and BA 189 Advanced Excel with 2 Microsoft Office Specialist (MOS) industry certifications.

Open Entry/Open Exit

VBUS 270

Introduction to Microsoft Outlook

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 118

Students learn the basic skills they need to start using Microsoft Outlook to manage their email communications, contact information, calendar events, tasks, and customizing their interface to suit their working style. Email etiquette and avoiding viruses by identifying suspicious emails and attachments is also reviewed. Four high school elective credits may be awarded if a student passes the course with a minimum grade of 70% or achieves an 85% on a challenge course by exam.

Open Entry/Open Exit

VBUS 280

Accounting Terminology

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

This is a beginning accounting course designed for students with little or no accounting background. It introduces and provides an understanding of accounting terminology to prepare students for accounting occupations and accounting coursework. Two (2) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

VBUS 281

Introduction to Quickbooks

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 280

This course is for students who want to learn how to navigate the basic features of Quickbooks such as creating and paying bills, creating invoices, and more. These skills and knowledge provide the foundation for the study and application of QuickBooks accounting systems. Students who pass this course will be prepared to transition into VBUS 282 Quickbooks I which is equivalent to Santa Ana College's Accounting 035 Quickbooks I course. Two (2) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

VBUS 282

QuickBooks I

Credit(s): 0.000 Class Hours: 108.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VBUS 280 VBUS 281

This is an introductory course on using QuickBooks software in the business environment for preparation of accounting information. The course will cover accounting theory and practical knowledge of QuickBooks on topics that include company file setup, customizing QuickBooks, recording customer and vendor transactions, bank reconciliations, creation of accounting reports and customization.

VBUS 290

Business Terminology

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

An introductory course to commonly used business terms with the intent of helping students develop a viable business vocabulary and how they can be effectively used in the workplace and for career advancement. Students may be awarded 2 high school elective credits if they complete and pass all course assignments and requirements. Two (2) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

VBUS 292

Global Business Professional (CGBP) Certification Exam Preparation & Practice

Credit(s): 0.000 Class Hours: 16.000 Lecture total.

NASBITE International's Certified Global Business Professional (CGBP) credential is widely recognized as the standard of excellence in expertise and professionalism in international trade. This course prepares students for the certification exam by reviewing the four primary domains included in the exam: Global Business Management, Global Marketing, Supply Chain Management, and Trade Finance. Students who enroll should have at least 2 years of international business experience or international business education.

Open Entry/Open Exit

VBUS 303

Adobe Photoshop

Formerly:Introduction to Adobe Photoshop

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: VBUS 118 is recommended. VBUS 124 is recommended.

Provides introductory instruction to electronic imaging using Adobe Photoshop software. Topics include beginning Photoshop features, scanner basics, image and file formats, color, importing/ exporting of files, and printing. Four high school elective credits may be awarded if a student passes the course with a 70% or better, or achieves an 85% on a challenge course by exam. This course will prepare students for Santa Ana College credit course BA 164 Adobe Photoshop with Adobe Certified Professional (ACP) industry certification.

Open Entry/Open Exit

VBUS 304

MS PowerPoint

Formerly:Introduction to Microsoft PowerPoint

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Recommended Preparation: VBUS 118 is recommended. VBUS 124 is recommended.

Provides students with introductory instruction on how to use PowerPoint features (e.g., templates, layouts, pictures, graphics, animation, multi-media assets) to create engaging presentations. Students will also discuss best practices for using PowerPoint as a visual aid for any presentation. Four high school elective credits may be awarded if a student passes the course with a minimum grade of 70% or achieves a minimum score of 85% on a challenge course by exam. This course will prepare students for Santa Ana College credit course BA 190 Microsoft PowerPoint with Microsoft Office Specialist (MOS) industry certification.

Open Entry/Open Exit

VBUS 310

Foundations of Human Resources

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

This course is designed to teach the foundational knowledge and professional skills necessary to help those enter the Human Resources (HR) field. This course provides an overview of the Human Resources management function in areas that are critical to the success of any HR practitioner. Students will learn hands-on recruiting and performance management and their practical applications. Course participants will acquire customer service, interpersonal, written and verbal communication, time management, teamwork and collaboration skills. HR Apprenticeship students are required to participate in this certificate program. Students may be awarded 4 high school elective credits if they complete and pass all course assignments and requirements.

VBUS 311

Human Resources Compliance

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

This course is designed to teach the student the legal framework within the human resources (HR) function and the alignment with risk management principles associated with managing people.

This course provides an overview of employment law and the relevant labor and employee relations principles that govern employment across the United States. Additionally, students will learn the intersection of appropriate risk mitigation related to employment. HR Apprenticeship students are required to participate in this certificate program. Students may be awarded four (4) high school elective credits if they complete and pass all course assignments and requirements.

VBUS 312

Human Resources Operations

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

This course is designed to teach the foundational knowledge of the Human Resources Operations Function. This course provides an overview of the Human Resources (HR) operations function in areas that are critical to the success of any HR Operations practitioner. Students will learn hands-on promising practices for HR Policy and procedure, human resources information systems (HRIS), payroll, benefits and compensation to support the organization's objectives and meet the needs of employees. HR Apprenticeship students are required to participate in this course for the certificate program. Students may be awarded four (4) high school elective credits if they complete and pass all course assignments and requirements.

VBUS 313

Certified Human Resources Professional (SHRM-CP) Exam Preparation & Practice

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Society for Human Resources Management's SHRM-CP credential is designed to help human resources (HR) professionals assume more-strategic leadership positions and perform more effectively as they earn a certification recognized worldwide for its focus on behavioral competencies as well as technical HR knowledge. This course prepares students for the certification exam by reviewing SHRM's Body of Applied Skills and Knowledge (BASK) included in the exam which identifies nine key behavioral competencies and 14 HR functional areas that are critical to the success of any HR practitioner. Students who pursue this certificate are not required to have any experience in the field. HR Apprenticeship students are required to participate in this certificate program. Students may be awarded 4 high school elective credits if they complete and pass all course assignments and requirements.

VBUS 340

Career Exploration

Credit(s): 0.000 Class Hours: 2.000-12.000 Lecture total.

This course empowers students to navigate the modern workforce by exploring diverse academic and career pathways. Students will learn about existing career pathways and how to successfully transition into a career education program of study. Through direct engagement with industry experts, including job shadowing, informational interviews, professionals guest speaking in the class, job fairs, networking events, and workplace tours, and/or participation in career education program informational sessions, events, and campus tours, students will evaluate occupations and align their interests with specific programs of study.

Open Entry/Open Exit

VBUS 400

Employability Skills

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Employers across all industries are looking to hire, retain, and promote individuals who possess the powers skills (character traits and interpersonal skills) that will make them more productive and efficient workers. Therefore, this course prepares students with the power skills that are necessary and in demand to succeed in the rapidly changing workplace and global economy of the 21st century. In addition, the course reviews workforce preparation such as writing a resume and cover letter, interview techniques, elevator pitch, and career assessments. Five high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

VBUS 402

Workforce Power Skills

Credit(s): 0.000 Class Hours: 12.000-24.000 Lecture total.

This course helps students develop and practice the power skills that they need every day to be effective and stay competitive in today's workforce. These power skills include, but not limited to, problem-solving, communication, collaboration, leadership, and wellness. When combined with industry knowledge and behaviors, mastery of power skills results in higher levels of individual performance and growth. This course is highly recommended for students who are currently in the workforce.

Open Entry/Open Exit

VBUS 450

Basic Computer Repair & COMPTIA A+ Certification Preparation

Formerly:COMPTIA A+ Certification Preparation & Practice

Credit(s): 0.000 Class Hours: 108.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 570 VBUS 572

CompTIA's A+ certification is the industry standard for validating the foundational skills needed by today's computer service technicians. This course prepares students for the certification exam by helping them gain the necessary knowledge of basic computer hardware, operating systems, and networking. Hands- on practice using the latest computer components and operating systems will also provide an opportunity for students to enhance their skills in assembling, disassembling, servicing, troubleshooting, and upgrading computer and networking systems. Students also learn the elements of customer service and communication skills necessary to work with clients. Moreover, practice exams and quizzes are given to reinforce course concepts and exam readiness. Students may be awarded 5 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VBUS 500

Digital Literacy for Academic and Professional Success - Tier 1

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

The first of four integrated digital literacy courses that prepare students for academic and workplace success by providing instruction on the fundamental technology skills needed to be digitally literate. Topics covered include: introduction to online conferencing; computing device functionality; introduction to the internet; the internet to find information; applications for language learning; email creation and usage; online forms; video and audio sharing sites for language learning; word processing applications; and introduction to online educational platforms and applications. Students may be awarded 2.5 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VBUS 501

Digital Literacy for Academic and Professional Success - Tier 2

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

Recommended Preparation: VBUS 500 is recommended.

The second of four integrated digital literacy courses that prepare students for academic and workplace success by providing instruction on the primary technology skills needed to enhance digital literacy. Topics covered include: review of necessary topics covered in VBUS 500 Digital Literacy for Academic and Professional Success - Tier I (recommended course); mobile applications for learning and productivity; etiquette for social media, email, and professional exchanges\engagement; online applications for synchronous communication; use word processing programs for academic and career readiness; online educational platforms and applications for collaboration; and overview of learning management systems (e.g., Canvas). Students may be awarded 2.5 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VBUS 502

Digital Literacy for Academic and Professional Success - Tier 3

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

Recommended Preparation: VBUS 500 is recommended. VBUS 501 is recommended.

The third of four integrated digital literacy courses that prepare students for academic and workplace success by providing in depth instruction on a range of technology skills needed to further enhance digital literacy. Topics covered include: review of necessary topics covered in Digital Literacy for Academic and Professional Success in Tiers I and II (recommended courses); internet safety and one's digital footprint; plagiarism in the Digital Age; introduction to blogging or wikis; expansion and application of online educational programs; and learning management systems - navigation and participation. Students may be awarded

2.5 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VBUS 503

Digital Literacy for Real World Application – Tier 4

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

Recommended Preparation: VBUS 500 is recommended. VBUS 501 is recommended. VBUS 502 is recommended.

The final of four integrated digital literacy courses. In this course, students will employ the knowledge and skills acquired in Digital Literacy for Academic and Professional Success Tiers 1 through 3 to create a professional portfolio online. Instruction will focus on the technology and interpersonal skills needed to create an online presence necessary for academic and workplace success in the 21st century. Specifically, the following will be reviewed: topics covered in Tiers 1, 2 and 3; website developer or digital portfolio platform to create a portfolio and build a professional online presence; formatting and design standards for resumes on a social media and/or digital portfolio platform; online professional networking through personal connections; and understanding how to use learning management systems through participation and collaboration. Students may be awarded 2.5 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VBUS 559

Business Practices in Family Child Care

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

Provides potential family child care providers with information and skills necessary for successful operation of a family child care business. May earn two (2) high school elective credits if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

VBUS 570

Information Technology (IT) Basics Tier 1

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Provides basic instruction and training for students who have little to no knowledge about technology but have a personal or professional interest in information technology (IT). Topics in the course include navigating operating systems, web browsers, accessing digital environments through the web, identifying input/output devices, software/hardware concepts, installing online software, storage systems, network connection types, digital footprint concepts and online applications. Students may be awarded 4 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VBUS 572

Information Technology (IT) Basics Tier 2

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Corequisite: Completion of or concurrent enrollment in: VBUS 570

Provides basic instruction and training for students who have little to no knowledge about technology but have a personal or professional interest in information technology (IT). Topics in the course include customizing digital environments, digital calendars, automation, cloud computing, hardware adjustments, print set-up, digital devices, digital identities, digital standards, digital citizenship, veracity of search results, data collection, data storage, and creating documents with software and/or online applications. Students may be awarded 4 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VBUS 576

Systems and Networking Essentials

Formerly:Computer Basics: Systems and Networking Essentials

Credit(s): 0.000 Class Hours: 108.000 Lecture total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VBUS 570 VBUS 572

This course prepares students with the fundamentals of networking. This includes: how to install, configure, and troubleshoot computer networks in modern environments, using the best practices of networking protocols, media, and topologies in physical and virtual infrastructure, security, and cloud computing. The course design includes lab exercises which provide students with hands-on practice. Students may be awarded 7 high school elective credits if they complete and pass all course assignments and requirements.

Open Entry/Open Exit

VBUS 590

Introduction to How to Start a Small Business

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Provides an introductory series of classes each designed to teach practical, hands-on small business management skills and focusing on specific topics addressing the needs of individuals desiring to start a small business. Course sessions are taught in various languages including, but not limited to, English, Spanish, and Vietnamese. Five high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

Vocational - Child Development (VCDEV)

VCDEV 100

Early Childhood Pre-Apprenticeship Program Orientation

Credit(s): 0.000 Class Hours: 3.000-10.000 Lecture total.

This course serves as the mandatory orientation for all prospective students seeking admission into the Early Childhood Education Pre-Apprenticeship Program. The session provides an in-depth overview of the program requirements, structure, schedule, curriculum, time commitment, academic expectations, the child development career and professional standards of the field. Students will receive detailed information about what needs to be completed for program eligibility. Attendance at this orientation is required for program admission consideration.

VCDEV 101

Introduction to Child Development

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VCDEV 100 Early Childhood Pre-Apprenticeship Program Orientation.

Corequisite: Completion of or concurrent enrollment in: VBUS 400 Employability Skills or VBUS 402 Workforce Power Skills or ESL 520 English for Work 2 (Early Childhood Ed. focus).

The course focuses on an introduction to child development, key child development vocabulary, and foundational academic learning modes and soft skills including college, workplace etiquette and time management. It expands knowledge of child development theories, observation techniques, and applied academic skills. Furthermore, it practices applying child development knowledge for infant/toddler and preschool-age childcare centers; building awareness of self-care, reflective practices, and preparing for early childcare apprenticeships. Four (4) high school elective credits will be awarded if a student passes the course with a minimum grade of 70%.

Vocational - Construction (VCNST)

VCNST 101

Introduction to Welding

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

This is a basic course designed to introduce students to shop safety, the proper use of tools and basic equipment, and basic fundamentals through the introduction of various welding processes currently used in the welding and metal fabrication industry. Processes will include Oxy-fuel cutting, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW). Eight (8) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. This course will prepare students for Santa Ana College credit course WELD 125 Intermediate Electric Arc Welding and WELD 181 Pipe Welding Fundamentals.

VCNST 610

Vocational Construction Technology Module I

Credit(s): 0.000 Class Hours: 60.000-200.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VBUS 340 Career Exploration course section that is specifically used for the Vocational Construction Technology program orientation.

Provides basic introduction to construction technology including Occupational Safety and Health Administration (OSHA) standards, CPR and first aid, and the proper use of hand and power tools.

Introduces basic theory and tools used with materials. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VCNST 620

Vocational Construction Technology Module II

Credit(s): 0.000 Class Hours: 60.000-200.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VBUS 340 Career Exploration course section that is specifically used for the Vocational Construction Technology program orientation.

Corequisite: Completion of or concurrent enrollment in: VCNST 610

This course is a continuation of VCNST 610 Vocational Construction Technology Module I. Students strengthen their skills and knowledge as it pertains to Occupational Safety and Health Administration (OSHA) standards, CPR and first aid, and the proper use of hand and power tools when working with materials. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VCNST 630

Heating/Ventilation/Air Conditioning/Refrigeration (HVAC-R) Technology

Credit(s): 0.000 Class Hours: 288.000 Lecture total.

This course is designed to provide students with entry-level skills in the repair and servicing of heating, ventilating, air-conditioning, and refrigeration (HVAC-R) equipment used in residential, industrial and commercial buildings. Twenty high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Vocational - Digital Media Arts (VDMA)

VDMA 302

Web Design

Formerly:VBUS 302, Introduction to Web Page Development Using HTML

Credit(s): 0.000 Class Hours: 36.000 Lecture total, 72.000 Lab total.

This course examines global issues related to internet culture, web ethics, equity, social justice, in addition to rights and trends related to the web. In the context of cultural and social needs, students will be introduced to web design using digital media tools; graphics, illustrations, text, sound, motion, using software programs for the web. Students will also review how web design has been used to impact commerce advancement, global communication, advertising, entertainment, and self-promotion relate to global and local community needs. Students will be able to apply their knowledge in site development and responsive design.

VDMA 310

Introduction to Digital Media Arts

Credit(s): 0.000 Class Hours: 54.000 Lecture total, 18.000 Lab total.

Foundation-level course designed for graphic designers, artists, photographers, web designers, programmers, and animation artists working in the digital realm. Students are introduced to fundamental concepts, practices, and theories of digital art production. Course topics include integration of traditional design, color, and compositional principles with contemporary digital tools, including industry-standard software, such as Adobe Creative Cloud for print, web and time-based media. Students may be awarded five (5) high school elective credits if they complete and pass all course assignments and requirements.

Upon completion of VDMA 310, students will earn credit for DM 195 through the credit by exam process.

VDMA 320

Introduction to Drone Pilot Training

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 27.000 Lab total.

Learn the ins-and-outs of legally flying a drone. The Drone Pilot Training course covers FAA rules and regulations, settings and features of drones, and supervised hands-on flight instruction with a licensed drone pilot. Drones provided for the class.

Vocational - Fashion Design & Merchandising (VFDM)

VFDM 100

Introduction to the Fashion Industry

Credit(s): 0.000 Class Hours: 54.000 Lecture total.

Introduction to the development, structure, and interrelationship of the global fashion industry, including: Consumer characteristics, product design, textile and apparel production, retail merchandising, brand marketing, distribution, and promotion. An introduction to apparel business organizations, their commercial processes and career opportunities. Oral, written, and multimedia reports on current topics relevant to the fashion industry. Three (3) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. This course will prepare students for Santa Ana College credit course FDM 104 - Textile Fibers and Fabrics.

VFDM 105

Beginning Sewing

Credit(s): 0.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Apparel garment construction techniques including seam finishes, edge finishes, manipulating garment fullness, and applying closures. Students will construct three full-sized garments and a compilation of construction techniques. Students will conduct and document garment fittings, alter patterns, and apply fitting alterations to the sewn projects. Six (6) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. This course will prepare students for Santa Ana College credit course FDM 105B - Intermediate Sewing.

Vocational - Fine Performing Arts (VFPA)

VFPA 009A

Dance Laboratory I

Credit(s): 0.000 Class Hours: 27.000 Lab total.

Prerequisite: By audition only or approval of instructor.

This course includes studio rehearsal time, emphasizing progressive development in the creation of dance concert productions, repertory performances, and/or choreographic projects. Beginning level assignments change every semester. It requires audition or instructor approval prior to enrollment. Two (2) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 009A, students may earn credit for DNCE 009A through the credit by exam process. **VFPA 009B**

Dance Laboratory II

Credit(s): 0.000 Class Hours: 27.000 Lab total.

Prerequisite: VFPA 009B requires audition or instructor approval prior to enrollment.

Studio rehearsal time, emphasizing progressive development in the creation of dance concert productions, repertory performances and/or choreographic projects. Beginning- intermediate level assignments change every semester. Requires audition or instructor approval prior to enrollment. Two (2) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 009B, students may earn credit for DNCE 009B through the credit by exam process.

VFPA 107A

Dance Concert Performance - I

Credit(s): 0.000 Class Hours: 9.000 Lecture total, 45.000 Lab total.

Prerequisite: By Audition Only

Formal dance concert performance experience for dance students. Includes both rehearsal process and a minimum of three on-stage public performances. Audition required. Three (3) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 107A, students may earn credit for DNCE 107A through the credit by exam process.

VFPA 122A

Commercial Dance I

Credit(s): 0.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Instruction for the beginning level dance student in commercial dance including technical steps, styles, audition techniques, and performance skills. The course focuses on level I skill set necessary for the preparation of dancing in commercial settings such as entertainment industries, cruise liners, music videos, mainstream entertainment productions, etc. Three (3) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 122A, students may earn credit for DNCE 122A through the credit by exam process.

VFPA 122B

Commercial Dance II

Credit(s): 0.000 Class Hours: 9.000 Lecture total, 27.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VFPA 122A Commercial Dance I or DNCE 122A Commercial Dance I

Continued instruction for the beginning level dance student in commercial dance including the technical steps, styles, audition techniques, and performance skills. The course focuses on level II skill set necessary for preparation in dancing in commercial settings such as entertainment industries, cruise ships, music videos, mainstream entertainment productions, etc. Three (3) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 122B, students may earn credit for DNCE 122B through the credit by exam process.

VFPA 133A

Musical Theatre Dance Techniques I

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 18.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VFPA 122A or DNCE 122A or VFPA 201A or DNCE 201A or VFPA 219A or DNCE 219A or VFPA 250A or DNCE 250A

This is a beginner level course that covers a variety of dance genres and styles used in musical theatre with an emphasis on basic skillsets for ensemble dancing roles and character development. Study also focuses on the styles and contributions of major musical theatre choreographers and performers from the Golden Age to current musical theatre trends, and the audition process as a dancer related to musical theatre. Two (2) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 133A, students may earn credit for DNCE 133A through the credit by exam process.

VFPA 135

Technical Production

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 70.000 Lab total.

Instruction and practical experience in backstage production responsibilities including stage management, theatre technician, scenery construction, properties, costuming, lighting, sound, and running crews. Six (6) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 135, students may earn credit for THEA 135 through the credit by exam process.

VFPA 150A

Rehearsal and Performance in Production

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 70.000 Lab total.

Practical experience in performance production culminating in a series of public performances. All actors must audition and be cast prior to enrolling. Six (6) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 150A, students may earn credit for THEA 150A through the credit by exam process.

VFPA 150B

Technical Theatre in Production

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 70.000 Lab total.

Students will gain practical experience in the application of production responsibilities in any of the following: stage management, scenery construction, properties, costuming, lighting, or sound. This course culminates into a series of public performances. All student technicians must obtain instructor approval prior to enrolling. Six (6) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 150B, students may earn credit for THEA 150B through the credit by exam process.

VFPA 151A

Showcase I

Credit(s): 0.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

An introduction to theatre performance emphasizing acting technique, theatre vocabulary, and creative individual expression. Students learn the process of presenting a role on stage. Prepares the student for Showcase II. Six (6) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 151A, students may earn credit for THEA 151A through the credit by exam process. **VFPA 152**

Tour Ensemble

Credit(s): 0.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

An introduction to theatre performance emphasizing acting techniques as applied to performing a role in multiple venues. Six (6) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 152, students may earn credit for THEA 152 through the credit by exam process.

VFPA 201A

Ballet I

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Beginning level I ballet technique and terminology, including basic barre work, center work, and combinations en diagonale.

Includes basic alignment, use of turnout, coordination, and ballet terminology. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Upon completion of VFPA 201A, students may earn credit for DNCE 201A through the credit by exam process.

VFPA 201B

Ballet II

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VFPA 201A Ballet I or DNCE 201A Ballet I

Continuation of beginning ballet technique and terminology, including barre work, center work, and combinations en diagonale. Includes basic alignment, use of turnout, coordination, and ballet terminology for level II. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 201B, students may earn credit for DNCE 201B through the credit by exam process.

VFPA 204A

Dance Production I

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: By audition only.

Concert dance production experience culminating in public performances in Phillips Hall Theatre as part of the Spring Student/ Faculty Dance Concert. Includes production basics, with an emphasis on performance techniques and working with faculty/student choreographers to create original dances. By audition only prior to enrollment. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 204A, students may earn credit for DNCE 204A through the credit by exam process.

VFPA 206A

Modern Dance I

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

A beginning level modern dance class emphasizing movement technique, dance vocabulary, and creative individual expression. Includes an introduction to choreographic principles and cultural context of modern dance. Students learn modern dance exercises and short dance combinations. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 206A, students may earn credit for DNCE 206A through the credit by exam process.

VFPA 206B

Modern Dance II

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VFPA 206A Modern Dance I or DNCE 206A Modern Dance I

Continued study in modern dance emphasizing movement technique, dance vocabulary, and creative individual expression. Includes an introduction to somatic approaches to dance training to support body connectivity. VFPA 206B is a continuation and refinement of learning longer dance combinations at the beginning-intermediate level. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 206B, students may earn credit for DNCE 206B through the credit by exam process.

VFPA 219A

Jazz Dance I

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Beginning level 1 jazz dance emphasizing movement technique, vocabulary, and creative expression. Includes an introduction to choreographic principles and cultural context of jazz dance.

Historical and contemporary forms are studied. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VFPA 219B

Jazz Dance II

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VFPA 219A Jazz Dance I or DNCE 219A Jazz Dance I

Continued study in beginning jazz dance emphasizing movement technique, vocabulary and creative expression. Includes an introduction to choreographic principles and cultural context of jazz dance. Historical and contemporary forms are studied. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 219B, students may earn credit for DNCE 219B through the credit by exam process.

VFPA 240A

Repertory I

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Audition

Students develop rehearsal and performance skills through learning a repertoire of dances. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 240A, students may earn credit for DNCE 240A through the credit by exam process.

VFPA 240B

Repertory II

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Prerequisite: Audition

Continued refinement of rehearsal and performance skills through learning a more difficult repertoire of dances. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Requires audition prior to enrollment. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 240B, students may earn credit for DNCE 240B through the credit by exam process.

VFPA 250A

Hip-Hop Dance I

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

A level I hip-hop dance course emphasizing movement technique, vocabulary, and creative expression. It includes choreographic principles, improvisation, and the cultural context of hip-hop dance. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 250A, students may earn credit for DNCE 250A through the credit by exam process.

VFPA 250B

Hip-Hop Dance II

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 54.000 Lab total.

Recommended Preparation: Completion with a grade of "C" or better or a Passing grade in: VFPA 250A Hip-Hop Dance I or DNCE 250A Hip-Hop Dance I

Continued study in hip-hop dance, level II, emphasizing movement technique, vocabulary, and creative expression. Includes improvisation, more difficult combinations, student compositions, and the cultural context of hip-hop. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFPA 250B, students may earn credit for DNCE 250B through the credit by exam process.

VFPA 255

Motion Picture Performance Production

Credit(s): 0.000 Class Hours: 18.000 Lecture total, 108.000 Lab total.

Practical experience in performance production culminating in a fully produced feature film screened to the public. The final movie presentation becomes the basis for developing an actor reel.

Students desiring an acting role must audition. Eight (8) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%, Upon completion of VFPA 255, students may earn credit for THEA 255 through the credit by exam process.

Vocational - Food (VFOOD)

VFOOD 005

ServSafe® Food Handler

Formerly:ServSafe Food Handler

Credit(s): 0.000 Class Hours: 8.000-36.000 Lecture total.

This course prepares students for employment in commercial and institutional food kitchens. It includes employee terminology, responsibilities, and training when preparing, handling, and serving food to the public. The course covers six key areas: basic food safety; good personal hygiene; controlling time and temperature; preventing cross-contamination; cleaning and sanitizing; and detailed food industry safety guidelines. It prepares students for the ServSafe® Food Handler Certification. Students may be awarded 2.5 high school elective credits if they pass the course with a 70% or better.

Open Entry/Open Exit

VFOOD 200

Line Cook Training

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

This course provides instruction on the different aspects of food preparation, as well as methods of presenting and serving food properly. Students will also receive training in the following types of cooking stations: grill, pantry, sauté, fry, and preparation. Four (4) high school elective credits may be awarded if a student passes the courses with a minimum grade of 70%.

Open Entry/Open Exit

VFOOD 210

ServSafe® Food Protection Manager Certification Exam Preparation, Review, & Practice

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

This course prepares students for the ServSafe® Food Protection Manager Certification Exam. The certification will allow students to obtain employment in commercial and institutional food kitchens. The following areas will be covered: foodborne microorganisms and allergens; purchasing, receiving, and storing food; preparing, cooking, and serving food; cleaning and sanitizing facilities; and learning about pest control methods.

Students may be awarded 2.5 high school elective credits if they pass the course with a 70% or better.

Open Entry/Open Exit

VFOOD 212

Baking & Pastry Basics

Formerly:Baking & Pastry Master Class

Credit(s): 0.000 Class Hours: 24.000 Lecture total.

Provides instruction on the fundamentals of pastry making. Students are introduced key preparations that become the building blocks of other, finished pastry dishes. The focus is on various types of dough, custards, and soufflés. Students may be awarded 1.5 high school elective credits if they pass the course with a 70% or better.

Open Entry/Open Exit

VFOOD 214

Introduction to Bread Making

Formerly:Bread Making Master Class

Credit(s): 0.000 Class Hours: 24.000 Lecture total.

Corequisite: VFOOD 212 is a required corequisite

Provides instruction on gluten, flour, yeast, water, and salt and their functions in bread making. Students learn how to correctly identify the anatomy of a grain, bread-making tools, and the stages of bread preparation. Students may be awarded 1.5 high school elective credits if they pass the course with a 70% or better.

Open Entry/Open Exit

VFOOD 216

Introduction to Cakes and Decorating

Formerly:Cakes and Decorating Master Class

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

Corequisite: VFOOD 212 is a required corequisite.

Provides instruction on the fundamentals of cake making and decorating. Students are introduced to key preparations that become the building blocks of cake making and cake decorating. The focus is on various types of cakes and decorating techniques. Students may be awarded 2.5 high school elective credits if they pass the course with a 70% or better.

Open Entry/Open Exit

VFOOD 220

Baking Fundamentals I

Formerly: Introduction to Baking & Pastry

Credit(s): 0.000 Class Hours: 36.000 Lecture total, 54.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: CULN 110 Food Safety and Sanitation or NUTR 110 Food Safety and Sanitation or VFOOD 210 ServSafe Food Protection Manager Certification Exam Preparation, Review, & Practice.

This course covers fundamental baking skills for students specializing in baking and pastry making for commercial production. Production of yeast and quick breads, cakes, cookies, pies, pastries, and decorating and icings are undertaken. Gourmet baked items and pastries are produced in a time-restricted, quality-minded setting. This course is for students pursuing a career in culinary arts/culinary management and will prepare them for entry-level baking positions as bakers or pastry chefs in the food industry. Students are required to follow the professional dress code established by the Culinary Department. Students may also participate in field trips to bakeries, commercial kitchens, or industry events to enhance hands-on learning and exposure to real-world baking operations. Five (5) high school elective credits will be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VFOOD 220, students earn credit for CULN 140 through the credit by exam process.

Vocational - Health (VHLTH)

VHLTH 100

Topics Health Services

Credit(s): 0.000 Class Hours: 12.000-72.000 Lecture total.

Topics taught in this course vary. It's a specialized course that covers topics that are current or immediate needs of students in the Vocational Health program and/or healthcare/medical industry.

Open Entry/Open Exit

VHLTH 101

Overview of the Nursing Assistant Training Program

Credit(s): 0.000 Class Hours: 3.000-10.000 Lecture total.

This course is designed to provide an introduction to the theoretical, skills and clinical requirements for admission into the Nursing Assistant Program. Successful completion of this course is required for admission consideration into the following three courses that make up the Nursing Assistant Program: VHLTH 102 Certified Nursing Assistant Theory, VHLTH 103 Certified Nursing Assistant Skills Lab, and VHLTH 104 Certified Nursing Assistant Clinical. In short, this course serves as a mandatory orientation for the Nursing Assistant Program.

VHLTH 102

Certified Nursing Assistant (CNA) Training - Theory

Formerly: Certified Nursing Assistant (CNA) Training

Credit(s): 0.000 Class Hours: 60.000-110.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 101 Overview of the Nursing Assistant Training Program and VBUS 402 Workforce Power Skills or ESL 520 English for Work 2 (CNA or Healthcare or Medical Professionals) Corequisite: Completion of or concurrent enrollment in: VHLTH 103 Certified Nursing Assistant (CNA) Training- Skills Lab and VHLTH 104 Certified Nursing Assistant (CNA) Training- Clinical This is the theory component of the Certified Nursing Assistant (CNA) Training Program.

Designed for students who want to be a CNA. This course provides students with the knowledge and skills to provide basic nursing care to patients/residents. The content includes safety precautions, emergency procedures, infection control and prevention, recognition of abuse and neglect, activities in daily living, personal hygiene, nutrition, body mechanics and transferring a patient. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 75%.

VHLTH 103

Certified Nursing Assistant (CNA) Training- Skills Lab

Credit(s): 0.000 Class Hours: 40.000-60.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 101 Overview of the Nursing Assistant Training Program and VBUS 402 Workforce Power Skills or ESL 520 English for Work 2 (CNA or Healthcare or Medical Professionals) Corequisite: Completion of or concurrent enrollment in: VHLTH 102 Certified Nursing Assistant (CNA) Training - Theory and VHLTH 104 Certified Nursing Assistant (CNA) Training- Clinical This is the skills lab component of the Certified Nursing Assistant (CNA) Training Program.

Designed for students who want to be a CNA. This course provides students with the knowledge and skills to provide basic nursing care to patients/residents. The content includes safety precautions, emergency procedures, infection control and prevention, recognition of abuse and neglect, activities of daily living, personal hygiene, nutrition, body mechanics and transferring a patient. Four (4) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 104

Certified Nursing Assistant (CNA) Training- Clinical

Credit(s): 0.000 Class Hours: 100.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 101 Overview of the Nursing Assistant Training Program and VBUS 402 Workforce Power Skills or ESL 520 English for Work 2 (CNA or Healthcare or Medical Professionals) Corequisite: Completion of or concurrent enrollment in: VHLTH 102 Certified Nursing Assistant (CNA) Training and VHLTH 103 Certified Nursing Assistant (CNA) Training- Skills Lab

This is the clinical component of the Certified Nursing Assistant (CNA) Training Program. Designed for students who want to be a CNA. This course provides students with the knowledge and skills to provide basic nursing care to patients/residents. The content includes safety precautions, emergency procedures, infection control and prevention, recognition of abuse and neglect, activities of daily living, personal hygiene, nutrition, body mechanics and transferring a patient. Six (6) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 105

Overview of the Acute Care Nursing Assistant Program

Credit(s): 0.000 Class Hours: 3.000-10.000 Lecture total.

This course is designed to provide an introduction to the theoretical, skills and clinical requirements for admission into the Acute Care Nursing Assistant (ACNA) Program. Successful completion of this course and possessing an active California State CNA license or be a recent graduate of a nursing assistant program who passed the California State CNA Exam, but pending certification from California Department of Public Health, is required for admission consideration into the following three courses that make up the ACNA Program: VHLTH 106 Acute Care Certified Nursing Assistant Theory, VHLTH 107 Acute Care Certified Nursing Assistant Skills Lab, and VHLTH 108 Acute Care Certified Nursing Assistant Clinical. In short, this course serves as a mandatory orientation for the ACNA Program.

VHLTH 106

Acute Care Nursing Assistant Theory

Credit(s): 0.000 Class Hours: 30.000-50.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 105 Overview of the Acute Care Nursing Assistant Program and VBUS 402 Workforce Power Skills or ESL 520 English for Work 2 (CNA or Healthcare or Medical Professionals). and Must possess valid California Certified Nursing Assistant (CNA) certification for the duration of the program and Be a recent graduate of a nursing assistant program who passed the California State CNA Exam and is pending certification from California Department of Public Health (pending clinical site approval).

Corequisite: Concurrent enrollment in: VHLTH 107 Acute Care Nursing Assistant Skills Lab and VHLTH 108 Acute Care Nursing Assistant Clinical

This is the theory component of the Acute Care Nursing Assistant (ACNA) Program. This course is designed to prepare students who have previously received their California Certified Nursing Assistant (CNA) certification to advance their skills and knowledge in providing principles of nursing care to meet patient needs in an acute care setting under the supervision of a licensed Registered or Vocational Nurse. Current California CNA certification is required. Three (3) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 107

Acute Care Nursing Assistant Skills Lab

Credit(s): 0.000 Class Hours: 20.000-30.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 105 Overview of the Acute Care Nursing Assistant Program and VBUS 402 Workforce Power Skills or ESL 520 English for Work 2 (CNA or Healthcare or Medical Professionals) and Must possess valid California Certified Nursing Assistant (CNA) certification for the duration of the program or Be a recent graduate of a nursing assistant program who passed the California State CNA Exam and is pending certification from California Department of Public Health (pending clinical site approval).

Corequisite: Concurrent enrollment in: VHLTH 106 Acute Care Nursing Assistant Theory VHLTH 108 Acute Care Nursing Assistant Clinical

This is the skills lab component of the Acute Care Nursing Assistant (ACNA) Program. This course is designed to prepare students who have previously received their Certified Nursing Assistant (CNA) certification to advance their skills and knowledge in providing principles of nursing care to meet patient needs in an acute care setting under the supervision of a licensed Registered or Vocational Nurse. Students will receive hands-on experience in the lab and clinical setting that strengthens skills that meet the basic care needs of the patient in an acute care environment.

Current California CNA certification is required. Two (2) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 108

Acute Care Nursing Assistant Clinical

Credit(s): 0.000 Class Hours: 50.000-100.000 Lecture total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 105 Overview of the Acute Care Nursing Assistant Program and VBUS 402 Workforce Power Skills or ESL 520 English for Work 2 (CNA or Healthcare or Medical Professionals) and Passed the California State CNA Exam and is pending certification from California Department of Public Health (pending clinical site approval). and Must possess valid California Certified Nursing Assistant (CNA) certification for the duration of the program or be a recent graduate of a nursing assistant program.

Corequisite: Concurrent enrollment in: VHLTH 106 Acute Care Nursing Assistant Theory VHLTH 107 Acute Care Nursing Assistant Skills Lab

This is the clinical component of the Acute Care Nursing Assistant (ACNA) Program. This course is designed to prepare students who have previously received their Certified Nursing Assistant (CNA) certification to advance their skills and knowledge in providing principles of nursing care to meet patient needs in an acute care setting under the supervision of a licensed Registered or Vocational Nurse. Students will receive hands-on experience in the lab and clinical setting that strengthens skills that meet basic care needs of the patient in an acute care environment. Current California CNA certification is required. Students rotate through varying units throughout the acute care setting for hands-on experience and observation. Four (4) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 109

Personal Caregiver/Care Aide-Theory

Formerly:Introduction to Caregiving

Credit(s): 0.000 Class Hours: 40.000 Lecture total.

Corequisite: Completion of or concurrent enrollment in: VHLTH 110 Personal Caregiver/Care Aide-Skills Lab.

This course provides students with the knowledge and skills required to provide safe, compassionate, and professional care in a home or a care facility. Two (2) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 110

Personal Caregiver/Care Aide-Skills Lab

Formerly:Caregiver Training

Credit(s): 0.000 Class Hours: 24.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: VHLTH 109 Personal Caregiver/Care Aide-Theory

This course provides hands-on experience for students to practice and demonstrate essential personal caregiver skills. Students perform tasks such as infection control, body mechanics, transfers, activities of daily living (ADLs), and nutrition support. Emphasis is placed on safe, competent, and professional performance in a caregiving environment. One (1) high school elective credit may be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 122

BLS for Healthcare Providers & Heartsaver CPR/ First Aid

Credit(s): 0.000 Class Hours: 4.000-6.000 Lecture total.

This course, depending on their need, will train students in Basic Life Support (BLS) or Cardiopulmonary Resuscitation (CPR) and First Aid. The American Heart Association designated the BLS training to teach healthcare professionals how to perform high quality CPR individually or as part of a team. BLS skills are applicable for any healthcare setting. BLS students will learn rescue techniques for adults, children, and infants. The Heartsaver CPR and First Aid training is designed to prepare people to provide first aid, CPR, and automated external defibrillator (AED) use in a safe, timely and effective manner. This course is for students who are interested in obtaining their BLS or CPR/First Aid certification for the first time or renewing their certification.

Open Entry/Open Exit

VHLTH 200

Dental Assistant Training Program Orientation

Credit(s): 0.000 Class Hours: 3.000-10.000 Lecture total.

This course serves as the mandatory orientation for all prospective students seeking admission into the Dental Assistant Training Program. The session provides an in-depth overview of the program requirements, structure and schedule, curriculum, time commitment, academic expectations, the dental assistant career, and professional standards of the dental assisting field. Students will receive detailed information about the documentation needed for program eligibility. Attendance at this orientation is required for program admission consideration.

VHLTH 201

Dental Assisting- Introduction to Dentistry & Compliance

Credit(s): 0.000 Class Hours: 60.000 Lecture total, 20.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 200 Dental Assistant Training Program Orientation Prerequisite: Possession of BLS/CPR for Healthcare Professionals from American Heart Association card, valid for the duration of the program. Corequisite: Completion of or concurrent enrollment in: VBUS 402 Workforce Power Skills.

This course provides students with foundational knowledge and essential skills for a successful career in dental assistance. Topics include the history of dentistry, patient documentation, HIPAA regulations, the California Dental Practice Act, infection control protocols, waste management, sterilization procedures, recognition of common oral diseases, and the measurement of vital signs. Emphasis is placed on developing clinical awareness, ethical responsibility, and an understanding of professional standards. Five (5) high school elective credits will be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 202

Dental Assisting- Dental Sciences & Radiology

Credit(s): 0.000 Class Hours: 60.000 Lecture total, 60.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 200 Dental Assistant Training Program Orientation. Prerequisite: Possession of BLS/CPR for Healthcare Professionals from American Heart Association card, valid for the duration of the program. Corequisite: Completion of or concurrent enrollment in: VHLTH 201 Dental Assisting - Introduction to Dentistry & Compliance and VBUS 402 Workforce Power Skills.

This course includes instruction in clinical functions which are integral to the dental office. Subject areas include foundations in radiography, radiation safety, digital dental imaging, intraoral and extraoral dental imaging, tooth morphology, and oral anatomy. Eight (8) high school elective credits will be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 203

Dental Assisting Procedures & Dental Materials

Credit(s): 0.000 Class Hours: 40.000 Lecture total, 80.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 200 Dental Assistant Training Program Orientation. Prerequisite: Possession of BLS/CPR for Healthcare Professionals from American Heart Association card, valid for the duration of the program. Corequisite: Completion of or concurrent enrollment in: VHLTH 201 Dental Assisting - Introduction to Dentistry & Compliance and VHLTH 202 Dental Assisting - Dental Sciences & Radiology and VBUS 402 Workforce Power Skills.

This course provides students with theoretical knowledge and practical skills related to restorative and esthetic dental materials, impressions and laboratory procedures, matrix systems, liners, bonding agents, bases, and the use and maintenance of dental instruments and hand pieces. Emphasis is placed on chairside assisting procedures, infection control, and the integration of current dental technologies to prepare students for effective support in restorative procedures and laboratory communication. Five (5) high school elective credits will be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 204

Dental Assisting- Patient Care, Communication & Administration

Credit(s): 0.000 Class Hours: 40.000 Lecture total, 20.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 200 Dental Assistant Training Program Orientation. Prerequisite: Possession of BLS/CPR for Healthcare Professionals from American Heart Association card, valid for the duration of the program. Corequisite: Completion of or concurrent enrollment in: VHLTH 201 Dental Assisting - Introduction to Dentistry & Compliance and VHLTH 202 Dental Assisting - Dental Sciences & Radiology and VHLTH 203 Dental Assisting Procedures & Dental Materials and VBUS 402 Workforce Power Skills.

This course includes instruction in the non-clinical functions which are integral to the dental office. Subject areas include office communications, scheduling appointments, making financial arrangements, recall, completing insurance forms, record keeping, inventory, bookkeeping, marketing strategies, the use of computers, and other related skills required of a secretarial dental assistant. Four (4) high school elective credits will be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 205

Dental Assisting Clinical Skills & Chairside Assisting

Credit(s): 0.000 Class Hours: 75.000 Lecture total, 80.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 200 Dental Assistant Training Program Orientation. Prerequisite: Possession of BLS/CPR for Healthcare Professionals from American Heart Association card, valid for the duration of the program. Corequisite: Completion of or concurrent enrollment in: VHLTH 201 Dental Assisting - Introduction to Dentistry & Compliance and VHLTH 202 Dental Assistant - Dental Sciences & Radiology and VHLTH 203 Dental Assistant Procedures & Dental Materials and VHLTH 204 Dental Assisting - Patient Care, Communication & Administration and VBUS 402 Workforce Power Skills.

This course includes supporting the dentist efficiently during procedures while ensuring patient comfort and infection control. Gain proficiency in clinical skills to adequately serve patient's needs. Ten (10) high school elective credits will be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 206

Dental Assisting - Clinical Externship

Credit(s): 0.000 Class Hours: 265.000 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in: VHLTH 200 Dental Assistant Training Program Orientation. Prerequisite: Possession of BLS/CPR for Healthcare Professionals from American Heart Association card, valid for the duration of the program. Corequisite: Completion of or concurrent enrollment in: VHLTH 201 Dental Assisting - Introduction to Dentistry & Compliance and VHLTH 202 Dental Assisting - Dental Sciences & Radiology and VHLTH 203 Dental Assisting Procedures & Dental Materials and VHLTH 204 Dental Assisting - Patient Care, Communication & Administration and VHLTH 205 Dental Assisting Clinical Skills & Chairside Assisting and VBUS 402 Workforce Power Skills.

This course provides a structured, supervised clinical experience in approved community dental offices partnered with Santa Ana College School of Continuing Education. Students work under the direct supervision of a licensed dentist, performing chairside and patient-care duties in general and specialty practices. Emphasis is placed on intraoral procedures, dental equipment proficiency, infection control, radiation safety, charting, four-handed dentistry, instrument processing, and professional communication. Faculty conduct site visits and provide midterm and final evaluations, while on-site dental staff supervise daily activities and verify skills. No classroom instruction is included; all course hours are completed at externship sites. Clerical tasks are limited to brief exposure. Legal, ethical, and professional standards are reinforced throughout the course. Eighteen (18) high school elective credits will be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 414

Introduction to Mental Health Disorders

Credit(s): 0.000 Class Hours: 72.000 Lecture total.

Provide students with a basic foundation in major concepts of mental health for personal growth and workforce preparation. Mental health topics covered: Generalized Anxiety Disorder, major depressive disorder, Post-Traumatic stress disorder (PTSD), Adjustment Disorder, Attention Deficit/ Hyperactivity Disorder (ADHD), Autism Spectrum Disorder, and substance use disorder. Five (5) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 415

Introduction to Mental Health Services/Careers

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

Corequisite: Completion of or concurrent enrollment in: VHLTH 414 Introduction to Mental Health Disorders

Provide students with services available for consumption and/or entry level career opportunities in the mental health industry.

Mental health services and entry level career opportunities covered include, but not limited to: Inclusion Assistant (learning disabilities in school setting), In Home Supportive Services (IHSS), Respite Caregiver, Mental Health Advocate, Social Human Service Assistant, Private Caregiver, Behavior Interventionist, Adaptive Skills Therapist, and Parent Advocate. Four (4) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

VHLTH 704

Introduction to Biotechnology

Credit(s): 0.000 Class Hours: 54.000 Lecture total.

This course is a general examination of biology as it relates to the field of biotechnology. Topics include the fundamental chemical processes common in prokaryotic and eukaryotic biology, chemistry of bio-molecules (proteins, enzymes, nucleic acids and lipids), cellular and molecular biology, basic immunology, and classical and molecular genetics with an emphasis on gene expression and genetic engineering. Three (3) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%, Upon completion of VHLTH 704, students may earn credit for BIOL 190 through the credit by exam process.

VHLTH 705

Introductory Biotech Lab

Credit(s): 0.000 Class Hours: 54.000 Lab total.

Corequisite: Completion of or concurrent enrollment in: VHLTH 704 Introduction to Biotechnology or BIOL 190 Introduction to Biotechnology

This laboratory is a general examination of biology as it relates to the field of biotechnology. The laboratory addresses basic skills and techniques common to the biotechnology industry. Topics include the measurement of activity and quantity of proteins, growth and manipulation of bacteria, genetic engineering and antibody methods. This course is intended as a laboratory class for students majoring in applied biology and as a general education laboratory option for all students. Three (3) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VHLTH 705, students may earn credit for BIOL 190L through the credit by exam process.

VHLTH 799

Introduction to Pharmacy Technology

Credit(s): 0.000 Class Hours: 36.000 Lecture total.

Overview of the SAC Pharmacy Technician training program. Definition of the roles and preview of the opportunities open to pharmacy technicians in various practice settings. Presentation of pharmaceutical dosage forms, the drug development process, and drug classification systems. Introduction to prescription labeling and to the law and ethics of pharmacy practice. Will award two (2) high school elective credits if student completes all the required assignments with a minimum passing grade of 70%. Upon completion of VHLTH 799, students will earn credit for PHAR 048 through the credit by exam process.

Vocational - Hospitality (VHOSP)

VHOSP 201

Career Focus - Hospitality Services

Credit(s): 0.000 Class Hours: 60.000 Lecture total.

This course provides students with an overview of the diverse career opportunities in food and lodging services. Students will develop a personal educational preparation and career plan.

Topics include food service operations, management basics, and the hotel and lodging industry. The course also covers aspects of hospitality management, such as business structures and operations, human resources, and workplace safety. Students may be awarded 4 high school elective credits if they complete and pass all course assignments and requirements. Four high school elective credits may be awarded if a student passes the course with a minimum grade of 70%.

Open Entry/Open Exit

Vocational - Manufacturing (VMFG)

VMFG 680

Basic Machining Concepts and Operations

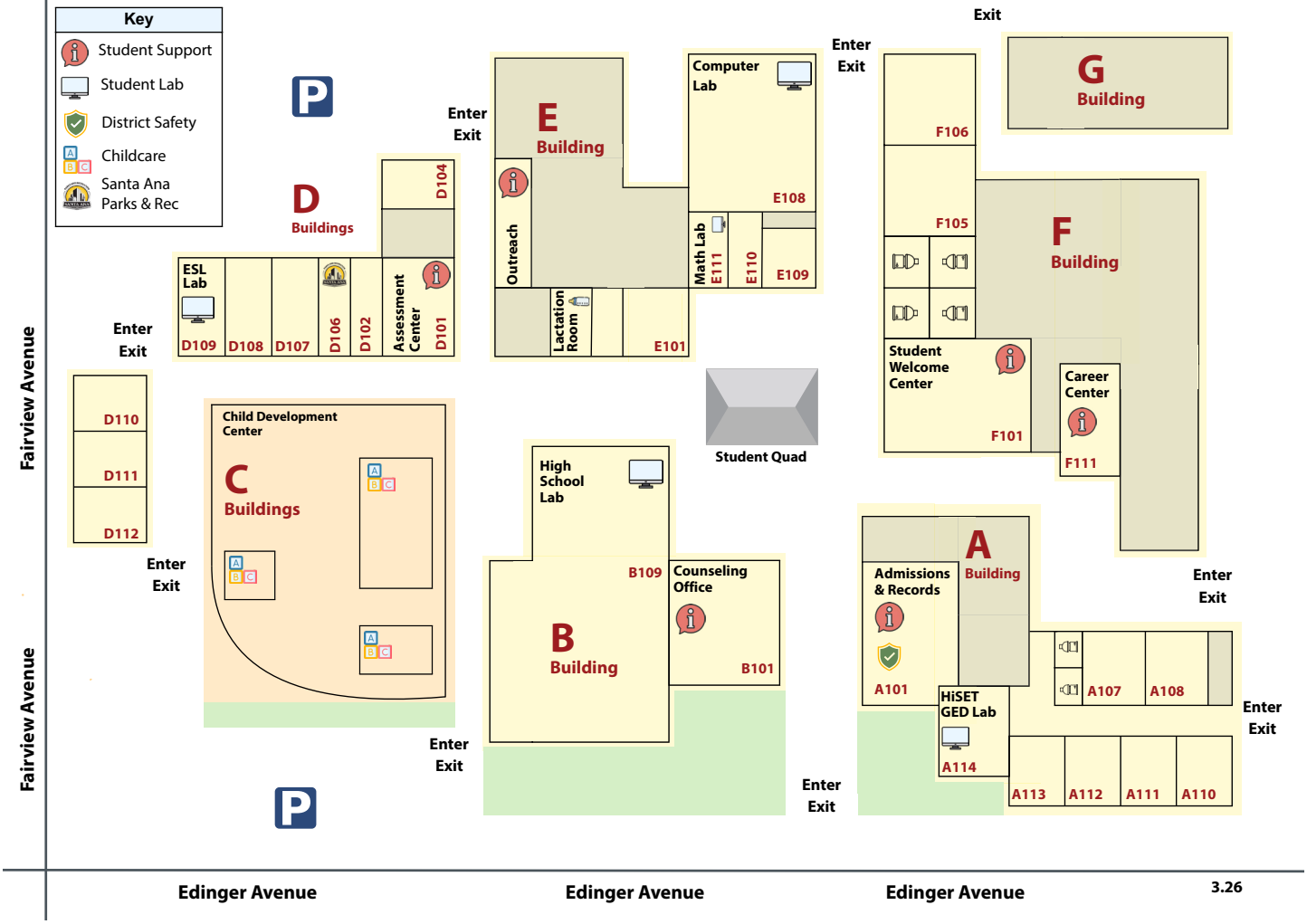
Credit(s): 0.000 Class Hours: 18.000 Lecture total, 126.000 Lab total.

Fundamental operations on lathes, milling machines, grinders, and drill presses, including precision measurements and layout. Equips students with skills and theory necessary to enter or upgrade within the machinist trade. Ten (10) high school elective credits may be awarded if a student passes the course with a minimum grade of 70%. Upon completion of VMFG 680, students may earn credit for MNFG 158 through the credit by exam process.

Centennial Education Center Campus Map

Centennial Education Center

2900 W. Edinger Ave., Santa Ana, CA 92704
sac.edu/GO | 714-241-5700



INSTITUTIONAL POLICIES

Nondiscrimination Policy

The Rancho Santiago Community College District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics. The Chancellor shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in accordance with the Title 5 and Title IX regulations and those of other agencies that administer state and federal laws regarding nondiscrimination.

No District funds shall ever be used for membership, or for any participation involving financial payment or contribution on behalf of the District or any individual employed by or associated with it, to any private organization whose membership practices are discriminatory on the basis of national origin, religion, age, gender, gender identity, gender expression, race, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or because of his or her association with a person or group with one or more of these actual or perceived characteristics.

Inquiries regarding compliance and/or grievance procedures may be directed to District's Title IX Coordinator and/or Section 504/ADA Coordinator.

RSCCD Section 504/ADA Coordinator and Title IX Coordinator:

George Williams,

2323 N . Broadway, Santa Ana, CA 92706

714-480-7404.

SAC Deputy Title IX Coordinator:

Jennifer De La Rosa

1530 W 17th, Santa Ana, CA 92706

714-564-6212.

Política de No Discriminación

El Distrito está comprometido a ofrecer la igualdad en oportunidades para programas educativos, empleos, y a todo acceso a los programas institucionales y actividades.

El Distrito, y cada persona que representa al Distrito, debe proveer acceso a sus servicios, clases y programas sin importar el lugar de nacimiento, religión, edad, sexo, identidad de género, expresión del género, raza o etnicidad, color, condición médica, información de genética, descendencia familiar, orientación sexual, estado civil, incapacidad física o mental, embarazo, categoría militar o de veterano, o por creer que él o ella tiene una o más de las características mencionadas, o en base a estar relacionado con una persona o grupo que se cree tenga algunas de estas características.

El Canciller debe establecer procedimientos administrativos para asegurarse que todos los miembros de la comunidad del colegio puedan presentar quejas sobre supuestas violaciones a esta política y que sus quejas sean escuchadas de acuerdo a los reglamentos señalados en el Título 5 y por aquellos de otras agencias que administran las leyes estatales y federales sobre la no discriminación.

Ningún fondo del Distrito debe ser utilizado para la membrecía, o para la participación incluyendo pagos financieros o contribuciones hechas a organizaciones privadas de parte del Distrito o de cualquier individuo empleado por el Distrito o con asociación, cuyas prácticas de membrecía son discriminatorias en base a lugar de nacimiento, religión, edad, sexo, identidad de género, expresión del género, raza, color, condición médica, información de genética, descendencia familiar, orientación sexual, estado civil, incapacidad física o mental, embarazo, categoría militar o de veterano, o por creer que él o ella tiene una o más de las características mencionadas, o en base a estar relacionado con una persona o grupo que se cree tenga algunas de estas características.

Las consultas relacionadas con los procedimientos de cumplimiento y/o queja pueden dirigirse al Coordinador del Título IX del Distrito y/o al Coordinador de la Sección 504/ADA.

RSCCD Sección 504/ADA Coordinadora y Título IX Coordinador:

George Williams,

2323 N . Broadway, Santa Ana, CA 92706

714- (714) 480-7448

SAC Título IX Coordinador:

Jennifer De La Rosa

1530 W 17th, Santa Ana, CA 92706

714-564-6212.

Chính Sách Không Phân Biệt Đối Xử

Các Rancho Santiago Community College District cam kết cơ hội bình đẳng trong các chương trình giáo dục, việc làm, và tất cả các quyền truy cập vào các chương trình và các hoạt động tổ chức. Học khu, và mỗi cá nhân đại diện cho học khu, sẽ cung cấp quyền truy cập vào các dịch vụ, các lớp và chương trình của mình mà không liên quan đến nguồn gốc quốc gia, tôn giáo, tuổi tác, giới tính, bản sắc giới tính, biểu hiện giới tính, chủng tộc hoặc dân tộc, màu da, tình trạng y tế, thông tin di truyền, tổ tiên, khuynh hướng tình dục, tình trạng hôn nhân, Khuyết tật về thể chất hoặc tinh thần, mang thai, hoặc quân đội và tình trạng cựu chiến binh, hoặc vì người đó được coi là có một hoặc nhiều đặc điểm trên thực tế Hiệu trưởng sẽ thiết lập thủ tục hành chính đảm bảo tất cả các thành viên của cộng đồng đại học có thể trình bày các khiếu nại liên quan đến các vi phạm bị cáo buộc của chính sách này và khiếu nại của họ được nghe theo quy định của tiêu đề 5 và Tiêu đề IX và các cơ quan khác quản lý luật tiểu bang và liên bang về không phân biệt đối xử. Không bao giờ được sử dụng cho các thành viên, hoặc cho bất kỳ sự tham gia liên quan đến thanh toán tài chính hoặc đóng góp thay mặt cho quận hoặc bất kỳ cá nhân làm việc hoặc liên kết với nó, cho bất kỳ tổ chức riêng tư có thực hành thành viên là phân biệt đối xử trên cơ sở nguồn gốc quốc gia, tôn giáo, tuổi tác, giới tính, biểu hiện giới tính, chủng tộc, màu da, điều kiện y tế, thông tin di truyền, tổ tiên, khuynh hướng tình dục, tình trạng hôn nhân, Khuyết tật về thể chất hoặc tinh thần, mang thai, hoặc quân đội và tình trạng cựu chiến binh, hoặc vì người đó được coi là có một hoặc nhiều đặc điểm nói trên, hoặc vì sự liên kết của mình với Các yêu cầu liên quan đến các thủ tục tuân thủ và/ hoặc khiếu kiện có thể được chuyển đến điều phối viên tiêu đề IX của học khu và/hoặc điều phối viên mục 504/ADA.

RSCCD phần 504/ADA điều phối viên George Williams,

2323 N. Broadway, Santa Ana, CA 92706, 714-480-7404

RSCCD tiêu đề IX điều phối viên: George Williams,

2323 N. Broadway, Santa Ana, CA 92706, 714-480-7404

SAC phó tiêu đề IX điều phối viên Jennifer De La Rosa,

1530 W 17th, Santa Ana, CA . 92706, 714-564-6212

Violence Against Women Act (VAWA) and Clery Compliance

In accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (Clery Act), as amended by the Violence Against Women Reauthorization Act of 2013 and subsequent reauthorizations, the Rancho Santiago Community College District prohibits and addresses the following behaviors:

- Sexual assault
- Domestic violence
- Dating violence
- Stalking

These behaviors are addressed through District policies, including those governed by Title IX of the Education Amendments of 1972. For detailed information regarding definitions, rights, reporting processes, and available resources, please refer to the Sexual Misconduct and Title IX section of this catalog.

Sexual Misconduct, Title IX, and Support

The District is committed to providing a safe, inclusive, and supportive learning environment. Sexual misconduct, including sexual harassment, sexual assault, domestic violence, dating violence, and stalking, is prohibited.

Individuals may receive supportive measures regardless of whether they choose to file a formal complaint. Supportive measures are non-disciplinary, non-punitive services designed to ensure equal access to educational programs and may include counseling, academic adjustments, no-contact directives, and other appropriate support.

Definitions of prohibited conduct, including sexual assault, domestic violence, dating violence, stalking, and affirmative consent, are provided in the Definitions section of Administrative Regulation 3425 and can be found at:

https://www.rsccd.edu/Departments/TitleIX/pages/policies.aspx

Language assistance is available. Please contact the Title IX Office or visit www.rsccd.edu/titleix

Spanish: Language assistance is available. Please contact the Title IX Office or visit www.rsccd.edu/titleix

Spanish: Language assistance is available. Please contact the Title IX Office or visit www.rsccd.edu/titleix

Harassment and Discrimination

The District prohibits harassment and discrimination based on protected characteristics and is committed to providing an environment that respects the dignity of all individuals. Complaints will be addressed promptly and equitably, and retaliation is prohibited.

Sexual harassment, sexual misconduct, and related behaviors are addressed separately under the Sexual Misconduct and Title IX section of this catalog.

Reporting and Resources

Reports of sexual misconduct, discrimination, harassment, and retaliation may be made at any time. Individuals are encouraged to report concerns so the District can respond appropriately. However, reporting is not required to receive support.

Report online: www.rsccd.edu/report

Campus Resources

Health & Wellness Center: www.sac.edu/StudentServices/HealthWellness

Campus Safety: www.sac.edu/CampusSafety

Title IX and Civil Rights Contacts

District Title IX Coordinator

George Williams

2323 N. Broadway, Santa Ana, CA 92706

Phone: (714) 480-7448

Email: TitleIX@rsccd.edu

Santa Ana College Deputy Title IX Coordinator

Jennifer De La Rosa

1530 W. 17th Street, Santa Ana, CA 92706

Phone: (714) 564-6212

Email: TitleIX@sac.edu

For assistance in other languages, please contact the Title IX Office.

Website: www.rsccd.edu/titleix

Registered Sex Offender Information

Sex offenders who are required to register should do so at the Santa Ana Police Department if attending Santa Ana College or Centennial Education Center and at the Orange Police Department if attending Santiago Canyon College or Orange Education Center." Members of the general public may request community notification flyers for information concerning sexually violent predators in a particular community by visiting the office of local law enforcement in their community. Local police may be contacted at:

Santa Ana Police Department,

60 Civic Center Plaza, Santa Ana, CA 92701

714-245-8665

Orange Police Department,

107 N. Batavia Street, Orange, CA 92867 - 714-744-7444

Registered sex offender information is available at the Megan's Law website: meganslaw.ca.gov

Academic Freedom Policy

The teacher should be free to think and to express ideas, free to select and employ materials and methods of instruction, free from undue pressures of authority, and free to act within his/her professional group. Such freedom should be used judiciously and prudently to the end that it promotes the free exercise of intelligence and student learning . Academic freedom is not an absolute. It must be exercised within the law and the basic ethical responsibilities of the teaching profession. Those responsibilities include:

- An understanding of our democratic tradition and its methods.
- A concern for the welfare, growth, maturity, and development of students.
- The method of scholarship.

Application of good taste and judgment in selecting and employing materials and methods of instruction.

(BP4201 Faculty)

Rates of Student Progress Student Right-To-Know Act

The rates below are placed here in accordance with the federally mandated Student Right–to–Know Act.

Santa Ana College:

Student Right-to-Know Rates for Fall 2018 Cohort

Completion Rate: 30.85 %

Transfer Rate: 6.61 %

In compliance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of our college district to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2018, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a six year period. Their completion and transfer rates are listed above. These rates do not represent the success rates of the entire student population at the College nor do they account for student outcomes occurring after this six year tracking period.

Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became 'transfer prepared' during a six year period, from Fall 2018 to Spring 2024. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered 'transfer prepared'. Students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming 'transfer prepared' during a eleven semester period, from Spring 2019 to Spring 2024, are transfer students.

Student Consumer Information Right-To-Know Disclosure Information

Federal regulations require all campuses to provide specified information to prospective and current students, staff and the general public. Listed below are those items that must be available for review per federal regulation.

The federal Higher Education Act, the federal Equity in Athletics Disclosure Act (EADA), and regulatory guidance provided in the Code of Federal Regulations (CFR) require direct individual notices of prescribed information to certain target audiences including prospective students; currently enrolled students; current employees; parents, coaches and counselors of prospective student athletes; and the general public.

Disclosures are to include crime/security statistics, student completion/ graduation rates, FERPA privacy/security rights, financial aid program information, and gender-specific information on athletic participation and financial support.

Family Education Rights and Privacy

As required under the provisions of the Family Education Rights and Privacy Act of 1974, the Rancho Santiago Community College District will make public without student consent only certain directory information. This information consists of the following: a student's name; city of residence; major field; participation in officially recognized activities and sports; weight, height, and age if a member of an athletic team; dates of attendance; degree and awards received; and the most recent previous educational institution or agency attended by the student. A student may request the Admissions and Records Office to withhold this information. Such request must be in writing and submitted each semester.

F.E.R.P.A. Family Education Rights and Privacy Notification

The Family Education Rights and Privacy Act of 1974 provides colleges the right to consent to disclose personally identifiable information contained in the student's education records to third party vendors who are identified as School Officials and who have legitimate educational interests. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his/her professional responsibility. A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including district safety personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees, or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his/her tasks.

Smoking and Tobacco Use in District Facilities and Vehicles

Smoking is prohibited in all campus areas including all District owned, rented or leased properties and vehicles, except in designated parking lot areas and within 20 feet of entrances, exits, and operable windows.

Smoking is defined as the use of products containing tobacco and/ or nicotine, including but not limited to smokeless tobacco, clove cigarettes, or any other smoking products, and any and all electronic or "e-cigarettes", which are unapproved nicotine delivery devices, unregulated by the FDA.

Public performances in which smoking is an integral and necessary part of the production are excluded from these regulations.

These regulations apply to employees, students, visitors and all other persons who use District owned or rented/leased facilities and vehicles. Failure to comply with these regulations may result in disciplinary action.

It is the responsibility of every District employee to comply with these regulations and report violations to District Safety.

These regulations do not supersede more restrictive policies which may be in force under State and Federal regulations. (AR-3570)

BOARD POLICIES AND ADMINISTRATIVE REGULATIONS

Chapter 4 - Academic Affairs

BP 4010	AR 4010	Academic Calendar
BP 4020	AR 4020	Program, Curriculum and Course Development
	AR 4021	Program Discontinuance
BP 4022	AR 4022	Course Approval
BP 4023	AR 4023	Hours and Units
BP 4025	AR 4025	Philosophy and Criteria for Associate Degree and General Education
BP 4025B	AR 4025B	Baccalaureate Degree Programs
	AR 4026	Philosophy and Criteria for International Education
BP 4030	AR 4030	Academic Freedom
BP 4040	AR 4040	Library and Learning Support Services
BP 4050	AR 4050	Articulation
BP 4060		Delineation of Functions Agreements
BP 4070		Course Auditing and Auditing Fees
BP 4100	AR 4100	Graduation Requirements for Degrees and Certificates
	AR 4101	Independent Study
	AR 4102	Career Education Programs
	AR 4103	Work-Based Learning
	AR 4104	Contract Education
	AR 4105	Distance Education
BP 4106	AR 4106	Nursing Programs
BP 4110		Honorary Degrees
BP 4220	AR 4220	Standards of Scholarship
	AR 4222	Remedial Coursework
BP 4225	AR 4225	Course Repetition
BP 4226	AR 4226	Multiple and Overlapping Enrollments
	AR 4227	Repeatable Courses
	AR 4228	Course Repetition - Significant Lapse of Time
	AR 4229	Course Repetition - Variable Units
BP 4230	AR 4230	Grading and Academic Record Symbols
BP 4231	AR 4231	Grade Changes
	AR 4232	Pass/No Pass
BP 4235	AR 4235	Credit for Prior Learning
	AR 4236	Advanced Placement Credit
BP 4240	AR 4240	Academic Renewal
BP 4250	AR 4250	Probation, Dismissal and Readmission
BP 4260	AR 4260	Prerequisites and Corequisites
BP 4300	AR 4300	Field Trips and Excursions
BP 4400	AR 4400	Community Services Programs
BP 4410	AR 4410	Educational Research
	AR 4500	Student News Media
	AR 4610	Instructional Service Agreements

Chapter 5 - Student Services

BP 5010	AR 5010	Admissions and Concurrent Enrollment
	AR 5011	
	AR 5012	International Students
BP 5015	AR 5015	Residence Determination
BP 5020	AR 5020	Non-Resident Tuition
BP 5030	AR 5030	Fees
BP 5035		Withholding of Student Records
BP 5040	AR 5040	Student Records, Directory Information and
	AR 5045	Privacy
BP 5049		Military Withdrawals
BP 5050		Student Success and Support Program
BP 5052		Open Enrollment
BP 5055	AR 5055	Enrollment Priorities
BP 5110		Counseling
BP 5120		Transfer Center
BP 5130	AR 5130	Financial Aid
BP 5140		Disabled Students Programs and Services
BP 5150		Extended Opportunity Programs and Services
BP 5200	AR 5200	Student Health Services
	AR 5201	Standards of Student Conduct/ Mental Health Clearance
BP 5205		Student Accident Insurance
BP 5210		Communicable Disease
BP 5220		Shower Access for Homeless Students
BP 5300		Student Equity
BP 5400		Associated Students Organization
BP 5410		Associated Students Elections
BP 5420		Associated Students Finance
BP 5421		Activities and Excursions
BP 5500	AR 5500	Standards of Student Conduct
BP 5501	AR 5501	Student Athletics/Activities Code of Conduct
BP 5510		Off-Campus Student Organizations
	AR 5520	Student Discipline Procedures
	AR 5530	Student Rights and Grievances
BP 5570	AR 5570	Student Credit Card Solicitations
BP 5700		Intercollegiate Athletics
BP 5800		Prevention of Identity Theft in Student Financial Transactions

RSCCD ORGANIZATION

BOARD OF TRUSTEES

President: Phillip E. Yarbrough

Vice President: Tina Ariaas Miller, Ed.D

Clerk: David Crockett

Member: John R. Hanna

Member: Zeke Hernandez

Member: Cecilia Iglesias

Member: Daisy Tong

Student Trustee: Cecilia Lorenzo

Executive Assistant: Maria Vicencio

CHANCELLOR'S OFFICE

Chancellor: Marvin Martinez

Executive Assistant: Debra Gerard

BUSINESS OPERATIONS / FISCAL SERVICES

Vice Chancellor: Iris Ingram

Assistant: Barbie Yniguez

Contract Management Services

Director: Andrew Lim

Facility Planning, District Construction and Support Services

Assistant Vice Chancellor: Carri Matsumoto

Director, Facility Planning: Joe Melendez

Director, Facility Planning: Vacant

Facilities Project Manager: Hugo Curiel

Facilities System Manager: David Nakagami

Energy & Sustainability Manager: Alejandro Alcala

Fiscal Services

Assistant Vice Chancellor: Adam O'Connor

Director, Accounting, Audit & Advisory Services: Razel Menendez

Payroll Manager: Nancy Tanner

Budget & Disbursement Services: Thao Nguyen

Purchasing Services

Director: Linda Melendez

Inventory / Delivery Supervisor: Armando Toner

Safety / Security

Chief: Vacant

SAC Lieutenant: Mike Jensen

SCC Lieutenant: Francisco Prado

SAC Sergeants: Donald Voght, Bobby Simmons

SCC Sergeants: Robert Witteman, Tiffany Tingirides

EDUCATIONAL SERVICES

Vice Chancellor: Enrique Perez

Assistant: Patricia S. Dueñez

Assistant Vice Chancellor: Sarah Fisher

Orange County Regional Consortium: Michael Sacato

Grants: Debbie Le

Institute for Workforce Development: Vacant

INFORMATION TECHNOLOGY SERVICES

Assistant Vice Chancellor: Jesse Gonzalez

Director, Application Services: Adam Howard

Director, Infrastructure & Support: Dane Clacken

SAC Academic / End User Support: Ron Gonzalves

SCC Academic / End User Support: Kimberly Pena

CHILD DEVELOPMENT SERVICES

Executive Director: Janneth Linnell

Quality Assurance Director: My Le Pham

SAC Child Development Center: Jerelyn Cowan, Connie Van

Remington Center: Zeferina Gonzalez, Jennifer Pruznick

CEC Child Development Center: Susan Wahl

SCC Child Development Center: Janneth Linnell (Acting Director), Jackie Karter

RSCCD at Valley Child Development Center: Susan Wahl, Jackie Karter

RSCCD at McFadden Child Development Center: Susan Wahl, Ximena Pacheco, Julieta Abramovitz

RESEARCH, PLANNING & INSTITUTIONAL EFFECTIVENESS

Executive Director: Nga Pham

Director, OC Center for Excellence: Jessica Crete

PUBLIC AFFAIRS AND PUBLICATIONS

Director, OC Center for Excellence: Jessica Crete

Chief Communications Officer: Vacant

Manager, Graphic Communications: Mary Law

Publications / Electronic Media: Vacant

HUMAN RESOURCES

Vice Chancellor: Kristin Olson

Assistant: Irene Glomba

Assistant Vice Chancellor: Alistair Winter

AVC, Investigations & Equity: George Williams

Director, Human Resources: Sonia Leticia Velez

Employee Relations Manager: Vacant

RISK MANAGEMENT AND EMPLOYEE BENEFITS

Director: Don Maus

SANTA ANA COLLEGE ADMINISTRATORS

Arguijo, Adrienne (2026)
Director, Special Projects, Affinity Centers
B.A. University of California, Santa Barbara
M.A. University of California, Santa Barbara

Blackburn, Kristi (2022)
Dean, Fine & Performing Arts
B.A. Montana State University
M.A. New Mexico State University
Ph.D. Capella University

Burrus, Tanisha L. (2016)
Director, Special Programs, Student Success
B.A., University of California, Davis

Butler, Timothy (2022)
Director, Fire Technology Education/Fire Academy Commander
A.A., Los Angeles Harbor College
A.S. Mobile Intensive Care - Paramedic, Santa Ana College

Cardenas, Susana (2017)
Director of Special Programs, Career Education
A.A., Santa Ana College
B.A., Arizona State University

Chavez, Elisabeth (2017)
Acting Director, Dual Enrollment
M.A., University of Vienna
Ph.D., Freie University of Berlin

Chavez, Lorena (2017)
Dean, Instruction & Student Services
Santa Ana College/School of Continuing Education
B.A., Loyola Marymount University
M.A., California State University, Long Beach

Cruz-Teposte, Janet (2002)
Director, Special Programs, Student Life and Assistance
A.A., Santa Ana College
B.A., University of California, Irvine
M.A., Alliant International University
Ed.D., South University

DeAsis, Mark (2024)
Dean, Enrollment and Support Services
B.A., University of California, Irvine
M.A., University of Redlands

Dela Cruz, Maria (2016)
Dean, Counseling
B.A., Pepperdine University
M.A., California State University, Long Beach
Ph.D., University of Southern California

De La Rosa, Jennifer (2018)
Dean, Student Development/Title IX
B.S. Azusa Pacific University
M.S.W., University of Southern California

Deusenberry, Janet (2023)
Director, Special Projects
Early Childhood Education Apprenticeship Program
A.A., Santa Ana College
B.A., Chapman University
M.A., Chapman University

Eidgahy, Saeid Y. (2019)
Dean, Science, Mathematics and Health Sciences
B.S., Bowling Green State University
M.Ed., Bowling Green State University
Ph.D., Bowling Green State University

Estrada, Brenda S. (2016)
Director of Special Programs, Veterans Resource Center
B.S., California State University, Fullerton
M.S.Ed. California State University, Fullerton
Ed.D., California State University, Long Beach

Gabut, Marvin (2023)
Director of Special Programs, Distance Education
B.A., California State University, Northridge
M.A. Ashford University
Ph.D., University of Arizona Global Campus

Gallegos, Nicole (2013)
Associate Dean, School of Continuing Education
B.A., California State University Long Beach
M.Ed., Alliant University

Galván, Javier (1996)
Dean, Humanities and Social Sciences
B.A., California State University, Los Angeles
M.A., California Polytechnic State University, Pomona
M.A., M.S., Ph.D., University of Southern California

Gomez, Ernie (2022)
Associate Dean Criminal Justice Academies
A.A., Santa Ana College
B.S., California State University, Long Beach
M.S., California State University, Long Beach

Hoeger, Jennifer (2014)
Associate Dean, School of Continuing Education
B.S., Albright College
M.A., Chestnut Hill College
M.Ed., Concordia University

Hoffman, Simon B. (2005)
Vice President, Administrative Services
B.S., California State University, Long Beach
M.B.A., University of Phoenix
Ed.D., California State University, Fullerton

Hubbard, Vaniethia (2018)
Vice President, Student Services
B.A., California State University, Fullerton
M.S.W., Clark Atlanta University
Ed.D., California State University, Fullerton

Hurtado, Veronica (1996)
Director, Special Programs
TRiO Upward Bound and Student Support Services
B.A., California State University, Fullerton
M.S., National University

Jacobs, Carin (2025)
Associate Dean, Fine and Performing Arts
B.A. University of California, Los Angeles
M.F.A. California State University, Long Beach

Kaveney, Shannon (2021)
Director of Physical Plant and Facilities Maintenance and Operations
BSBM, University of Phoenix

Kennedy, James (2007)
Vice President, School of Continuing Education, Santa Ana College
B.A., Sonoma State University
M.B.A., University of Phoenix
Ed.D., California State University, Fullerton

Kosko, Christine (2011)
Dean, Instruction and Student Services, Santa Ana College/School of Continuing Education
B.S., University of Phoenix
M.A., National University

Lamb, Jeffrey N (2018)
Vice President, Academic Affairs
B.A., California State University, Long Beach
M.A., San Diego State University
Ph.D., University of California, Los Angeles

Martinez, Daniel (2022)
Associate Dean, College Research
B.S., Loma Linda University
M.A., California State University, San Bernardino
Ph.D., Claremont Graduate University

Miranda, Jesús (2024)
Dean, Instruction & Student Services
Santa Ana College/School of Continuing Education
B.A., University of California, Riverside
M.Ed., San Diego State University
M.S., San Diego State University
Ph.D., St. John's University, New York

Morin, Matthew (2025)
Dean, Academic Affairs
B.A., University of Massachusetts, Boston
M.A., Tufts University
Ph.D., Florida State University

Nguyen, John (2016)
Director, Thrive Center
B.S., California State University, Long Beach
M.S., California State University, Fullerton

Nery, Annebelle (2022)
President
Ph.D., UC Riverside

Newton, Tina J. (2023)
Director, International Student Program
B.A. Miami University
M.A. Miami University
M.B.A. University of Dayton

Pagán, Anthony (2023)
Dean, Business
B.S. San Diego State University
M.S. California State University Los Angeles

Picchi, Andrea (2024)
Dean, Kinesiology, Health & Athletics
Santa Ana College/Kinesiology & Athletics
B.A., Whittier College
M.A., Azusa Pacific University
MS. Ed National University

Pitchford, Antoinette (2023)
Director, Fire Technology Wellness
B.S. California State University
M.S. California Baptist University

Plair, Vincent (2026)
Director, Criminal Justice Academy
B.B.A., University of Houston
M.B.A., Nacional University
Ed.D., Brandman University

Reardon, William (2021)
Associate Dean, Fire Technology Department
A.S., Santa Ana College
B.S., California State University, Los Angeles
M.P.A., California State University, Long Beach

Rodriguez, Refugio (2023)
Acting Associate Dean of Career Education and Dual Enrollment
B.A. Humanities, Loyola Marymount University
DSW (Doctor of Social Work), University of Southern California
Ed.D. (Doctor of Education), Fielding Graduate University

Romero, Christina (2003)
Executive Director, College Advancement
A.A., Santa Ana College
B.A., California State University, Long Beach
M.A., University of Redlands

Romero, Deisy C. (2021)
Associate Dean, EOPS, CARE & CalWORKs
B.A., San Jose State University
M.S., California State University Long Beach

Rosas, Maximiliano (2024)
Director, Special Programs – Pathway Development
Santa Ana College/School of Continuing Education
A.A., Los Angeles Southwest College
B.A., California State University, Dominguez Hills
M.P.A., California State University, Long Beach
Ed.D., University of La Verne

Samaie, Parisa (2024)
Associate Dean, Library and Learning Resources
B.A., California State University, Long Beach
M.L.I.S., University of California, Los Angeles
Ed.D., California State University, Long Beach

Soto, Armando (2019)
Associate Dean, Counseling
A.A., Southwestern College
B.A., University of California, Berkeley
M.A., San Diego State University
Ed.D., University of Southern California

Steckler, Mary (2002)
Associate Dean of Health Sciences; Director of Nursing (retiring)
Position is currently in hiring process
A.S.N., Saddleback College
B.S.N., California State University, Dominguez Hills
M.S.N., California State University, Dominguez Hills

Steffens, John (2016)
Director, Student Information Support
A.A. Mississippi Gulf Coast Community College
B.A. Mississippi College
M.S. The University of Florida
M.B.A. Loyola Marymount University

Taylor, Krystle (2023)
Interim Associate Dean of DSPS
B.S., University of Maryland
M.S., San Diego State University
Ed.D., San Diego State University

Toya, Gregory (2023)
Dean, Student Affairs
B.A. University of Irvine
M.A. University of Maryland
Ed.D University of California San Diego,
California State University San Marcos

Traslavina, Pilar (2008)
Registrar, Santa Ana College/School of Continuing Education
A.A., Santa Ana College
B.S., National University

Wagner, Christina Kim (2022)
Director, Special Programs
Career Center/Counseling Div.
B.A. University of California, Los Angeles
M.A. Columbia University, Teachers College
M.SC. Oxford University

SANTA ANA COLLEGE FACULTY

Andrade, Philippe (2007)
Associate Professor, Political Science
B.A., California State University, Long Beach
Ph.D., Claremont Graduate University

Anselmo, Caitlyn (2024)
Professor, Counseling
B.A., California Polytechnic University, Humboldt
M.S., California Lutheran University

Aguilar Beltran, Maria (2008)
Counselor/Coordinator, Assessment Center
B.A., California Polytechnic State University, Pomona
M.S.W., California State University, Long Beach
L.D., Certificate, California State University, Sacramento

Arazi, Heather (2019)
Assistant Professor, American Sign Language
B.A., Gallaudet University
M.A., California State University, Northridge
M.A., University of Phoenix

Axtell, Christina (2014)
Professor, English
A.A., Santiago Canyon College
B.A., University of California, Los Angeles
M.A., California State University, Fullerton

Barnard, Rebecca (2012)
Coordinator, Health and Wellness Center
B.S.N., Point Loma Nazarene University
M.S.N., Azusa Pacific University
D.N.P., Azusa Pacific University

Barrios, Andrew (2018)
Associate Professor, Biology
B.S., California State University, Fullerton
M.S., California State University, Fullerton

Bass, Stacey (2006)
Professor, Nursing
B.S.N., Loma Linda University
M.S.N., California State University, Long Beach
D.N.P., Western University of Health Sciences

Bassett, Dana (2001)
Professor, English
B.A., M.A., California State University, Fullerton

Bautista, Steve (2001)
Counselor/Coordinator, Center for Teacher Education
B.A., M.S., California State University, Fullerton
Ed.D., California State University, Fullerton

Baquero, Jaymie (2014)
Assistant Professor, Kinesiology
B.A., Loyola Marymount University
M.A., California State University, Long Beach

Beltran, Jennie (2014)
Professor, Biology
B.S., M.S., University of California, Irvine

Bennett, Gary (1998)
Professor, English
B.A., M.A., California State University, Fullerton
Ph.D., University of Nevada at Las Vegas

Bennett, Sarah (2016)
Assistant Professor, Journalism and Media Studies
B.A., M.A., University of Southern California

Benson, Kyla (2013)
Associate Professor, Fashion Design and Merchandising
B.S., University of California, Davis
M.A., Trident University International

Beyersdorf, Matthew A. (2006)
Professor, English
A.A., Saddleback College
B.A., M.A., Chapman University
J.D., Chapman University School of Law Member of the California State Bar

Bittner, Matthew (2019)
Associate Professor, Automotive Technology
A.S., Cypress College
B.A., California State University, San Bernardino
M.Ed., California State University, San Bernardino

Bootman, Ashly (2015)
Associate Professor, English
B.A., University of California, Riverside
M.A., California State University, Fullerton

Bradley, Kyle (2014)
Professor, Mathematics
B.A., M.A., California State University, Fullerton

Breig, David B. (2002)
Professor, Kinesiology
A.A., Cerritos College
B.A., Seattle Pacific University
C.C.T.C., California State University, Dominguez Hills
M.S., California State University, Fullerton

Brocatto, Carlos (2018)
Associate Professor, Philosophy
B.A., University of California, Riverside
M.A., California State University, Los Angeles

Brown, Angela T. (2001)
Professor, Counseling
A.A., Citrus College
B.S., University of California, Riverside
M.A., California State University, San Bernardino

Bucholtz-Magallon, Cheryl (2023)
Assistant Professor, ESL
B.A., Whittier College
M.S., California State University, Fullerton

Buechler, Michael (2014)
Professor, Manufacturing Technology
A.S., Fullerton College
B.A., California State University, Fullerton

Bui, Annette (2017)
Professor, Counseling
A.A., Santa Ana College
B.A., California State University, Fullerton
M.A., California State University, Dominguez Hills

Busch Michael (2023)
Associate Professor, Fire Technology
A.S., Santa Ana College
B.A., California State University, Long Beach

Campbell, Alondo C. (2013)
Associate Professor, Sociology
A.A., Golden West College
B.A., California State University, Long Beach
M.A., California State University, Fullerton
Ph.D., Purdue University

Campos-Robledo, Joanna (2013)
Professor, Counseling
B.S., California State University, Fullerton
M.A., Claremont Graduate University
M.S., University of La Verne

Cannon, Chris (2011)
Professor, Theatre Arts
B.A., Southeastern University
M.F.A., University of Virginia

Canzona, Paula (1998)
Professor, Counseling
B.S., University of Redlands
M.A., California State University, Dominguez Hills

Carriger, Lisa (2017)
Professor, RN, MSN
A.D.N., Saddleback College
B.S.N., University of Texas Arlington
M.S.N., University of Texas Arlington
D.N.P., Chamberlain University

Cass, Ann (2019)
Professor, Counseling
B.A., California State University, Long Beach
M.S., National University

Castaneda, Veronica (2016)
Associate Professor, Career Education
B.A., California State University, Northridge
M.A., Argosy University

Castillo, Ricardo (2011)
Professor, Psychology
B.A., California State University, Bakersfield
M.A., California State University, Fullerton

Christensen, Jessica (2023)
Assistant Professor, Culinary Arts
B.A., North Carolina State University

Clark, Stephanie (2014)
Associate Professor, Digital Media
B.A., Rice University
M.F.A., Rochester Institute of Technology

Cleary-Martin, Tami (2022)
Assistant Professor, Nursing
B.S.N. Grand Canyon University
M.S.N Grand Canyon University

Colunga, Molly (2002)
Professor, High School Subjects
B.A., M.S., California State University, Fullerton
M.A., Pennsylvania State University

Corp, Richard (2015)
Associate Professor, Mathematics
B.S., California Polytechnic State University, Pomona
M.S., California State University, Fullerton

Coyne, Claire M. (2006)
Professor, Geology and Earth Sciences
B.S., University of Maryland, College Park
M.S., University of Southern California

Cummings, Reyna (2016)
Associate Professor, Communication Studies
B.A., Saint Mary's College
M.A., California State University Los Angeles

Davia, Maria (2021)
Associate Professor, Nursing
A.D.N. Santa Ana College
B.S.N. Azusa Pacific University
M.S.N. CSUF
D.N.P. Grand Canyon University

Deluna, Daniel (2014)
Professor, History
A.A., Saddleback College
B.A., University of California, Los Angeles
M.A., California State University, Northridge

Dermody, Michael (2016)
Assistant Professor, Digital Media
B.S., California State University, Sacramento
M.S., Ithaca College
M.F.A., National University

Derr, Laura (2023)
Assistant Professor, Nursing
A.S. N., Santa Ana College
B.S.N, California State University, Fullerton
M.S.N., Walden University

Diamond, Zachary (2019)
Associate Professor, Welding Technology
B.S. University of Rhode Island
Los Angeles Structural Welding Certified Divers Academy International Certified

Dibb, Patrick (2015)
Professor, EMT
A.A., Santa Ana College
B.S., University of California, Irvine

Diller, Jeffrey (2014)
Professor, English
A.A., Riverside City College
B.A., M.A., California State University, Fullerton

Dinh-Mahavongtrakul, Minhan (2016)
Professor, Biology
B.S., University of California, Davis
M.S., Ph.D., University of California, Irvine

Dufala, Christopher (2016)
Assistant Professor, Studio Art B.F.A., Rowan University
M.F.A., California State University, San Jose

Dumon, Dori (2017)
Associate Professor, Business Applications & Technology
A.A., Santa Ana College

Durango, Damien (2025)
Associate Professor, Communication Studies
B.A. California State University, Fullerton
M.A. California State University, Fullerton

Emley, Catherine (1998)
Professor, Medical Assisting
A.A., B.S.N., Mount St. Mary's College, Los Angeles
M.N., Psychiatric Mental Health Nursing
University of California, Los Angeles

Estrada, Maria (2016)
Professor, Counseling
A.A., Orange Coast College
B.A., University of California, Los Angeles
M.A., San Diego State University

Everett, Mike (2002)
Professor, Mathematics
B.A., B.S., M.A., California State University, Fullerton

Fish, Zachary (2004)
Professor, Philosophy
B.A., M.A., University of New Orleans
M.A., University of California, Riverside

Fong, Fleur (2025)
Assistant Professor, Active and Older Adults
B.S., Baylor University
M.S., California State University, Fullerton

Freeman, Suzanne (1993)
Professor, Fire Technology
B.A., California State University, Long Beach

Gillette, Heather (1999)
Professor, Dance
B.F.A., California State University, Long Beach
M.F.A., University of Utah
Certified Laban Movement Analyst

Gonis, Andy (2005)
Professor, Criminal Justice
B.S., California State University, Long Beach
M.S., California State University Long Beach
Ph.D., Northcentral University
Graduate, FBI National Academy

Gonzaga-Siguenza, Patricia (1996)
Professor, Counseling
B.A., California State University, Fullerton
M.S., California State University, Fullerton

Gonzales, Gregory (2019)
Associate Professor, Welding Technology
Los Angeles City Certified Welder
Certified Welding Inspector/Education, American Welding Society (AWS)
A.S., Santa Ana College

Gonzalez, Adrianna (2014)
Associate Professor, Adult Basic Education /GED / HiSET
B.A., University of California, Irvine
M.A., California State University, Long Beach
Ed.D., La Verne University
TESOL Certificate, University of Anaheim

Gonzalez, Haydee (2015)
Professor, Counseling
A.A., Los Angeles Harbor College
B.A., University of California, Los Angeles
M.S., California State University, Long Beach

Gonzalez, Jaime (2023)
Assistant Professor, Automotive Technology
A.S., Citrus College
A.A., Golden West College
B.A., California State University, San Bernardino
M.Ed., California State University, San Bernardino

Grant, Madeline A. (2001)
Professor, Global Business & Entrepreneurship
B.A., University of San Diego
M.B.A., Claremont Graduate School

Guerrero-Phlaum, Martha (2005)
Professor, Spanish
B.A., M.A., Ph.D., University of California, Irvine

Guzmán, Kristen (2006)
Professor, History
B.A., University of California, Santa Cruz
Ph.D., University of California, Los Angeles

Ha, Michael (2017)
Professor, Counseling
B.A., Divine Word College
M.A., Chapman University

Hager, Benjamin (2013)
Professor, Mathematics
B.A., M.A., California State University, Fullerton

Hampton, Jubal (2001)
Professor, Biology
B.S., University of California, Irvine
M.A., California State University, Fullerton

Harman, James (2024)
Assistant Professor, Legal Studies
Juris Doctor, University of San Diego School of Law,
Member of California State Bar

Hanson, Maria Yamilet (2023)
Professor, Counseling
A.A., Saddleback College
B.A., Chapman University
M.S., University of La Verne

Henley, Paige (2023)
Professor, Counseling
B.A., M.S., California State University, Long Beach

Heremans, Tiffany (2019)
Associate Professor, Hospitality and Culinary Arts
A.S., Florida Culinary Institute
B.S., University of Phoenix

Higgins, Conor (2015)
Associate Professor, English
A.A., Orange Coast College
B.A., M.F.A., San Diego State University

Higuera, Daniel (2019)
Associate Professor, Fire Technology, Physical Fitness and Wellness
A.S., Mount San Antonio College
B.S., California Polytechnical State University, Pomona
M.S., California Polytechnical State University, Pomona
Ph.D., Rocky Mountain University, Utah

Hoang, Susan (2015)
Associate Professor, Librarian
B.A., Pomona College
M.L.I.S., California State University, San Jose

Hostetter, Darren (2015)
Associate Professor, Studio Arts
B.F.A., M.F.A., California State University, Long Beach

Huskey, Jason (2019)
Associate Professor, Criminal Justice
A.A., Fullerton College
B.S., California State University, Long Beach
M.A., California State University, San Bernardino
J.D., Western State University College of Law Member of the California State Bar

Isbell, James (2004)
Professor, English
B.A., M.A., Chapman University

Jang, Charles (2014)
Professor, Biology
B.S., California State University, Fullerton
M.S. Equiv., University of California, Riverside

Janio, Jarek (2007)
Professor, English as a Second Language
B.A., California State University, Long Beach
M.A., California State University, Dominguez Hills
Ph.D., Walden University
TESOL Certificate, Seattle Pacific University

Janus, Louise (2011)
Professor, Learning Disability Specialist
B.A., University of San Diego
M.Ed., Argosy University
L.D. Certificate, California State University, Sacramento

Jenkins, Crystal (2004)
Professor, Chemistry
B.A., M.S., University of California, San Diego
M.S., California State University, Long Beach

Jin, Jungwon (2011)
Associate Professor, Music
B.M., The Manhattan School of Music
M.M., D.M.A., University of Southern California

Jones, Elliott (2000)
Professor, Music
B.A., M.M., Arizona State University
D.M.A., University of Miami

Jones, Geoff (2004)
Professor, Kinesiology
B.A., Chapman University
M.A., Azusa Pacific University

Jones, Louise (2014)
Professor, Nursing
A.D.N., Santa Ana College
B.S., M.S.N., California State University, Fullerton
D.N.P., Grand Canyon University

Kapil, Jill (2019)
Psychologist
B.A., University of California, Irvine
Psy.D., California School of Professional Psychology

Kapp, LIndsay (2023)
Professor of Nursing
A.S.N., Long Beach City College
B.S. Vet Technology, Purdue University
M.S.N., California State University, Long Beach

Kehlenbach, E. Brian (1990)
Professor, Music
B.S., M.M., University of Connecticut
D.M.A., University of Southern California

Kelley, Sara A. (2016)
Associate Professor, English
B.A., M.A., California State University, Fullerton

Khalid, Donna Sir (2016)
Professor/Coordinator ASE Science
B.S., University of California, Irvine
M.B.A., University of Texas Permian Basin
Ph.D., University of Southern California

Kim, Caroline (2020)
Assistant Professor, ESL
B.A., University of California, Irvine
M.A., Westcliff University

Kim, Henry (2001)
Professor, ESL
B.A., University of Hawaii at Manoa
M.A., California State University, Long Beach

Kimmel, Michelle (2018)
Associate Professor, Child Development and Education Studies
B.A., M.A., California State University, Long Beach
Ed.D., University of Southern California

King, Jaki (2016)
Associate Professor/Librarian
B.S., Art Institute of Portland
M.L.I.S., Emporia State University

Klein, Marlowe (2022)
Assistant Professor, Nursing
B.S.N., University of Texas, Arlington
M.S.N., University of Texas, Arlington

Knight, Annie (2014)
Associate Professor, Librarian
B.A., California State University, San Bernardino
M.L.I.S., California State University, San Jose

Kowsari, Ali (2016)
Associate Professor, Global Business and Entrepreneurship
B.S., Tehran University, Iran
M.S., National University
M.B.A., University of California, Irvine

Kuny, Asher (2025)
Assistant Professor, Culinary Arts & Hospitality
A.S., The Art Institute of California - Orange County

LaBreau, Katie (2019)
Associate Professor, Child Development and Education Studies, SEAP Coordinator
Communication Studies
B.A., California State University, Long Beach
M.A., California State University, Long Beach

Lamourelle, Chantal (2016)
Professor, Child Development and Education Studies
B.A., University of California, Los Angeles
M.S., Nova University

Lange, Megan (2017)
Professor, History
B.A., North Park University
M.A., University of California, Santa Barbara
M.A., California State University, Los Angeles

Leafblad, Robin (2023)
Assistant Professor, Fire Academy
A.S., Crafton Hills College
B.A., Point Loma University
M.A., Asuza Pacific University
EdD. Student, Concordia St Paul University

Lechuga, Janet (2013)
Professor, Mathematics
B.A., M.A., California State University, Fullerton

Leeds, Kelvin (1997)
Professor, Mathematics
B.A., Southern California College
M.A., California State University, Fullerton

Leos, Nigel (2024)
Professor, Counseling
A.A. Mt. San Antonio College
B.A., California Polytechnic University, Pomona
M.S., National University

Littlejohn, Stacey (2014)
Professor, Chemistry
B.S., Kansas Wesleyan University
M.S., University of California, Irvine

Lockhart, Ann (2011)
Professor, Counseling/Coordinator, Puente Program
B.S.W., M.S.W., California State University, Long Beach

Lockwood, Lance (2005)
Professor, Communication Studies
A.A., Victor Valley College
B.A., M.A., Chapman University

Lopez, Jorge (2007)
Professor, Biology
B.S., University of California, Davis
M.S., University of Chicago
Ph.D., Indiana University

Lopez-Garcia, Luciano Jaime (2022)
Associate Professor, Diesel and Automotive Technology
A.A., Santa Ana College
A.S., Santa Ana College
B.S., California State University, Fullerton
M.Ed, California State University, San Bernardino

Lopez Mercedes, Jose (2017)
Professor, ESL/Distance Education & Professional Development Coordinator
A.A., Santa Ana College
B.A., California State University, Fullerton
M.A., TESOL Certificate, California State University, Fullerton
Ed.D., California State University, Fullerton

Lui, Rachel (2015)
Professor, Mathematics
A.A., Fullerton College
B.A., University of California, Los Angeles
M.A., California State University, Fullerton

Luppani, Flo (2004)
Professor, Kinesiology
B.A., Chapman University
M.A., California State University, Humboldt

Macafee, Lisa (2023)
Professor, Counseling
A.A., Saddleback College
B.A., University California, Irvine
M.S., National University

Macintyre, Michelle (2015)
Professor, Counseling
B.A., University of Hawaii
M.A., Concordia University
M.A., California Polytechnic State University, San Luis Obispo

Madrigal, Osiel R. (2016)
Professor, Vocational Business & Workforce Development Coordinator
B.S., San Diego State University
M.P.A., San Diego State University
Ed.D., University of La Verne

Manson, Andrew (2023)
Assistant Professor, ASE/High School Subjects
B.A., University of California, Berkeley
M.A., University of California, Berkeley
Ph.D., University of California, Berkeley

Marquez, Phil (2011)
Associate Professor, Art
B.A., California State University, Fullerton
M.F.A., Claremont Graduate University

Marr, John (2014)
Associate Professor, Music
B.A., M.M., California State University, Fullerton

Martin, James (2023)
Assistant Professor, Automotive Technology
A.S., Santa Ana College

Martinez, Donato (1996)
Professor, English
B.A., California Polytechnical State University, Pomona
M.A., California State University, Fullerton

Mathot, Sarah (2015)
Professor, Nutrition & Foods
B.S., California Polytechnic State University, San Luis Obispo
M.S., R.D.N., California State University, Long Beach

Mayer, Quynh (2019)
Associate Professor, Nursing
A.D.N, Glendale Community College
B.S.N., M.S.N., California State University, Fullerton

McAdam, Jennifer (2019)
Associate Professor, Chemistry
B.S., Loyola Marymount University
M.S., University of California, Irvine

McCallick, Mark (2014)
Associate Professor, Accounting and Business Administration
B.S. Accounting - Loyola Marymount University
M.S. Education- Online Teaching and Learning - CSU - East Bay

McKenna-Sallade, Dawn (2017)
Associate Professor/Coordinator, Occupational Therapy Assistant
Occupational Studies Bachelor Degree Program
B.S., Tufts University
M.A., University of Southern California

McKowan-Bourguignon, Lisa (2011)
Professor, Mathematics
A.A., Santa Ana College
B.S., M.S., California State University, Long Beach

McNerney, Joanna (2014)
Assistant Professor, ESL
B.A., Pitzer College
M.A., California State Polytechnic University, Pomona, Pomona

Meckes, Ana M. (2015)
Professor, Counseling
B.A., M.S., California State University, Long Beach

Medina, Moises (2014)
Professor, History
B.A., California State University, Northridge
M.A., University of California, Riverside

Meloni, Jennifer (2015)
Professor, Fire Technology, Physical Fitness and Wellness
B.S. University of California, Los Angeles
M.S. California State University, Fullerton

Millet, Joi (2024)
Assistant Professor, Legal Studies
B.A. California Coast University ACP, CAS

Mirbeik, Reza (2016)
Professor, Mathematics
B.S., Iran-University of Tehran
M.A., Iran-University of Tehran
Ed.D., California State University, Fullerton

Mishal, Amit (2015)
Associate Professor, Mathematics
B.A., M.A., University of California, Los Angeles
M.A., California State University, Fullerton
Ed.D., University of Southern California

Montoya, Mario (2024)
Assistant Professor, Welding Technology
Certified Welder with the City of Los Angeles
Certified Associate Welding Inspector with the American Welding Society (AWS)
A.S., Mt. San Antonio College

Moreno, Alejandro (2016)
Professor, Counseling
B.A., University of California, Irvine
M.A., Azusa Pacific University

Morgan, Adam (2018)
Associate Professor, Business Applications and Technology
A.A., Irvine Valley College
B.A., California State University, Fullerton
M.S., California State University, Fullerton

Morris, A. Kimo (2011)
Associate Professor, Biology
B.A., University of California, Santa Barbara
M.Sc., Oregon State University
Ph.D., University of California, Los Angeles

Mowrer, Melanie (2002)
Professor, ESL
B.A., Moravian College
M.A., United States International University, Irvine
TESOL Certificate, University of California, Irvine

Muir, Shannon (2016)
Professor, Counseling
B.A., University of California, Los Angeles
M.A., California Graduate Institute
M.Ed., University of Southern California

Murphy, Tim (2000)
Professor, Political Science
B.S., M.A., Ball State University
Ph.D., University of Cincinnati

Nair, Arjun (2018)
Associate Professor, Biology
B.S., University of California, Davis
M.S., University of California, Irvine
Ph.D., University of California, Irvine

Naman, Trudy (2022)
Associate Professor, Child Development and Education Studies
B.A., Life Bible College
M.A., Southern California College
M.A., Concordia University
Ed.D., Pepperdine University

Nardi, Nicholas (2019)
Assistant Professor, Psychology
A.A., Pierce College, Woodland Hills
B.A., California State University, Northridge
M.A., California State University, Chico
Ph.D., Pepperdine University

Natale, Alexander (2020)
Associate Professor, Physics
B.S., University of Idaho
Ph.D., University of California, Riverside

Nguyen, Hugh (2018)
Associate Professor, Computer Science
B.S., California State University, Long Beach
M.S., Boston University

Nguyen, Kelly K. (2016)
Professor, Mathematics
B.A., California State University, Long Beach
M.A., California State University, Fullerton

Nguyen, Madeleine (1996)
Professor, Counseling
B.A., California State University, Fullerton
M.A., California State University, Dominguez Hills

Nguyen, Thu T. (2014)
Professor, Counseling
B.A., University of California, Irvine
M.S., California State University, Long Beach

Nguyen, Van Thi (1995)
Professor, Counseling
B.A., M.S., California State University, Long Beach

Nguyen, William (2003)
Professor, Chemistry
A.S., Santa Ana College
B.S., Ph.D., University of California, Los Angeles

Nilles, Tom (2015)
Assistant Professor, Kinesiology
A.A., Laney College
B.A., University of California, Davis
M.A., St. Mary's College of California

Nyssen, Adam (2013)
Assistant Professor, Kinesiology
M.A., Azusa Pacific University
M.A., San Diego State University

Oertel, Patricia (2008)
Professor, Biology
B.S., California State University, Long Beach
Ph.D., University of California, Irvine

Oh, Suanne (2017)
Associate Professor, Mathematics
M.S., California State University, Northridge
B.S., University of California, Irvine.

Orona, Anthony "Ajay" (2022)
Assistant Professor, Journalism & Media Studies
A.A., Mount San Antonio College
B.A., California State University, Los Angeles
M.A., University of Southern California

Orr, Estelle C. (1970)
Professor, Art
B.A., M.A., University of California, Berkeley

Ortiz, Fernando D. (1996)
Professor, Psychology
A.A., Santa Ana College
B.A., California State University, Fullerton
M.A., Ph.D., University of California, Riverside

Ortiz, Rebecca Vasquez (2017)
Assistant Professor, Psychology
B.A., University of California, Riverside
M.A., University of California, Riverside
Ph.D., University of California, Riverside

Padilla, Jessica (2019)
Associate Professor/Academic Fieldwork
Coordinator, Occupational Therapy Assistant
B.S., Santa Ana College

Papa, Elenor (2016)
Associate Professor, Nursing
B.S., University of California, Riverside
M.S.N., California Baptist University
D.N.P., Chamberlain University

Parayno, Jeanell (2023)
Professor, Counseling
B.A., California State University, Long Beach
M.S., Azusa Pacific University

Pastrana, Leo (2014)
Counselor/Coordinator, University Transfer Center
A.A., Orange Coast College
B.A., California State University, Dominguez Hills
M.A., Azusa Pacific University

Patch, Nicole (2019)
Associate Professor, Librarian
B.A., Smith College
M.A., University of California- Los Angeles
M.L.I.S., University of California, Los Angeles

Patton, Carrie (2013)
Professor, High School Subjects
B.A., St. Mary's College
M.A., National University

Pedroza, Jeffrey (2001)
Professor, Psychology
B.S., M.S., Eastern Michigan University

Pedroza, Luis (1994)
Professor, Librarian
B.A., California State University, Long Beach
M.L.I.S., University of California, Berkeley

Peraza, Daniel (2017)
Professor, Counseling
B.A., California Polytechnic State University, Pomona
M.S., California State University, Long Beach

Perez Martinez, Moises (2024)
Professor, Counseling
A.S., Hartnell College
B.S., California State University, Long Beach
M.S., California State University, Dominguez Hills

Pierce, Cathryn (2014)
Associate Professor, Communication Studies
B.A., California State University, Long Beach
M.A., New York University
Ed.D., Northeastern University

Pineda, Maribel (2016)
Professor, Counseling
A.A., Santa Ana College
B.A., University of California, San Diego
M.S.W., California State University, Dominguez Hills

Ponzillo, Gizelle (2024)
Assistant Professor, ESL
A.A., Santa Monica College
B.A., California State University, Los Angeles
M.A., California State University, Los Angeles

Quach, Nguyen (Nicholas) (2015)
Associate Professor, Computer Science
B.S., M.S., California State University, Fullerton

Ramirez, Adriana (2017)
Professor, History
A.A., Santa Ana College
B.A., University of California, Irvine
M.A., University of California, Irvine

Ramshaw, Charles (2001)
Professor, English
B.A., California State University, Fullerton
M.A., Chapman University

Rehm, David (2019)
Assistant Professor, Communication Studies
A.A., Santiago Canyon College
B.A., California State University, Long Beach
M.A., California State University, Long Beach

Ro, Kelly (2015)
Professor, Mathematics
B.S., University of California, Los Angeles
M.A., University of Phoenix
M.A., California State University, Fullerton

Robertson, Mario C.S. (2006)
Professor, Anthropology
B.A., M.A., California State University, Fullerton

Robinson, Kristen (2011)
Professor, Legal Studies
A.S., Snow College
B.A., Southern Utah University
J.D., Brigham Young University
Member of California State Bar

Robledo, Rey (2005)
Professor, Counseling
B.S., California State University, Fullerton
M.S., University of La Verne

Rocke, Brandon (2014)
Professor, English
B.A., California State University, Long Beach
M.A., Chapman University
M.A., California State University, Fullerton

Romero, Martin (2014)
Professor, Mathematics
B.S., University of California, Los Angeles
M.S., California State University, Los Angeles
Ph.D., University of California, Los Angeles

Roper, David (2018)
Associate Professor, Automotive Technology
A.A., Cerritos College
B.A., California State University, Los Angeles
M.A., Arizona State University
Ed.D., University of La Verne

Rudd, James (2014)
Professor, Automotive Technology
A.A., Cerritos College

Ruiz, Dan (2022)
Counselor/Coordinator, MESA
A.A., Cerritos College
B.A., California State University, Long Beach
M.A., California State University, Donminguez Hills

Russo, Stacy (2011)
Professor, English
A.A., Cypress College
B.A., University of California, Berkeley
M.L.I.S., California State University, San Jose
M.A., Chapman University
Ph.D., California Institute of Integral Studies

Ruvalcaba, Tomas (2023)
Associate Professor, Fire Technology, Kinesiology
B.S., California State University, Fullerton
M.S., California State University, Fullerton

Saldivar, Juliana (2024)
Assistant Professor, High School Equivalency
B.A., California State University, Fullerton
M.A., California State University, Fullerton

Sanabria, Reina (2001)
Professor, Counseling
A.A., Fullerton College
B.S., California State University, Fullerton
M.A., Chapman University

Sanchez, Chris (2024)
Professor, Counseling
A.A., Santa Ana College
B.A., University of California, Santa Cruz
M.Ed., University of California, Los Angeles
M.S., California State University, Dominguez Hills

Sanchez Gutierrez, Gabriela (2001)
Professor, Counseling
B.A. California State University, Long Beach
M.A. University of California, Santa Barbara

Saterfield, Kalonji (2016)
Professor, Communication Studies
B.A., California State University, Stanislaus
M.A., California State University, Fullerton

Sauber, David (2023)
Assistant Professor, Legal Studies
B.A., California State University, Nothridge
J.D. Law, Loyola Law School, Los Angeles
Member of California Bar

Schlossman, Jacqueline (2019)
Assistant Professor, Photography
B.A., Sarah Lawrence College
M.F.A., Maryland Institute College of Art

Seitz Carol (2016)
Professor, Medical Assisting
B.A., University of California, Irvine

Shahbazian, Roy (2007)
Professor, Mathematics
B.S., M.S., University of California, Irvine
M.S., University of California, Los Angeles

Shweiri, Gabriel (2011)
Professor, Global Business and Entrepreneurship
B.A., The George Washington University
M.IM, Thunderbird American Graduate School of International Management

Sim, Jason (2018)
Associate Professor, Computer Science
B.A., Kean University
M.B.A., Saint Peters University
M.B.A., Northeastern University
M.S. Computer Science, City University of Seattle

Simmerman, Stacy (2016)
Associate Professor, English
A.A., Santiago Canyon College
B.A., University of California, Irvine
M.A., Claremont Graduate University

Singh, Nirbhai (Nick) (1999)
Professor, Manufacturing Technology
B.S., University of Punjab, India

Slay, Kevin (2022)
Assistant Professor, Technical Theater
B.A., Life Pacific University
M.F.A., California State University, Fullerton

Slocum, Carolyn (2024)
Assistant Professor/Coordinator, Pharmacy Technology
B.S., University of California, Irvine
Pharm.D, Pacific University

Smith, Elizabeth (2019)
Assistant Professor of American Sign Language
B.A., Biola University
M.A, Biola University

Smith, Kimberly, Esq. (2016)
Associate Professor, Legal Studies
B.A., California Polytechnic State University, Pomona
J.D., Southwestern University School of Law
Member of California State Bar

Smith, Sean (2017)
Associate Professor, Mathematics
B.S., M.S., California Polytechnic State University, Pomona

Solheid, Christa (2000)
Professor, Mathematics
A.A., Fullerton College
B.A., M.A., California State University, Fullerton
Ed.D., Argosy University, Orange County

Soriano, Irene (1994)
Professor, Art History
B.A., University of Texas at El Paso
M.A., Boston College
M.A., Ph.D., Boston University

Sos, Brian (2011)
Associate Professor, Kinesiology/DSPS
B.S., M.A., San Diego State University
Ph.D., Florida State University

Sosta, Rachel (2011)
Professor, English
B.A., Occidental College
M.A., California State University, Fullerton

Stevens, Hayley (2019)
Associate Professor, Physical Fitness and Wellness,Criminal Justice Academies
B.S., California State University, Fullerton
M.S., California State University, Fullerton

Strong, Tommy (2015)
Associate Professor, Accounting & Business Administration
B.S. Accounting and Information Systems, University of Texas at Dallas
M.S. Accounting and Information Systems, University of Texas at Dallas

Stucken, Robert (2006)
Professor, Nursing
A.D.N., Golden West College
B.A., California State University, Long Beach
M.S.N., University of Phoenix

Sung, Linda (2016)
Associate Professor, Accounting & Business Administration
B.S. Cal Poly Pomona
J.D. California Northwestern University School of Law

Sweeney, George (2011)
Professor, Mathematics
B.A., University of California, Los Angeles
M.S., California Polytechnic State University, Pomona
Ph.D., San Diego State University

Takahashi, Craig (2006)
Professor, Engineering
B.S., M.S., Ph.D., University of California, Irvine

Takahashi, Kathleen (2005)
Professor, Biology
B.S., University of California, Irvine
M.S., California State University, Long Beach
Ph.D., University of California, Los Angeles

Tashima, John (2014)
Professor/Coordinator, Adult Secondary Education
B.A., University of California, Santa Cruz
M.A., California State University, Long Beach
M.S., California State University, Fullerton

Taylor, Michael (2015)
Associate Professor, Digital Media
B.A., California State University, Fullerton

Tejeda, Patricia (2022)
Associate Professor, Counseling
B.A., University of California, Irvine
M.S., National University
Pupil Personnel Services Credential, National University

Tolentino, Justin (2016)
Professor, Mathematics
B.A., M.A., California State University, Fullerton

Turner, Mark (2014)
Learning Disability Specialist, Associate Professor
B.A., University of California, Irvine
M.A., California School of Professional Psychology (Alliant University)

Uffelman, Taylor (2020)
Assistant Professor, Nursing
A.D.N., Santa Ana College
B.S.N., M.S.N., Western Governors University

Valles, Rodrigo (2016)
Assistant Professor, Ethnic Studies
A.A., East Los Angeles College
B.A., California State University, Dominguez Hills
M.A., California State University, Los Angeles

Valtairo, Rowena (2007)
Professor, Nursing
B.S.N., M.S.N., California State University, Fullerton
D.N.P., Western University of Health Sciences

Vasquez, Michelle (2015)
Professor, Nursing
A.A., Golden West College
B.S.N., California State University, Fullerton
M.S.N., California State University, Long Beach
D.N.P., Chamberlain University

Vazquez, Candice (2023)
Assistant Professor, Coordinator - Allied Health
B.A., California State University, Fullerton
B.S.N., Concordia University, Irvine

Viera, Violeta (2016)
Professor, Counseling
B.A., California State University, Fullerton
M.A, University of San Diego

Villa, Beatriz (2020)
Assistant Professor, English
B.A., M.A., California State University, Long Beach

Vu, Dahlia (2006)
Professor, Mathematics
B.S., M.A., University of California, Riverside

Vu, Emily (2023)
Assistant Professor, Career Education
B.A., California State University, Long Beach
M.A. California State University, Fullerton
Ed.D., Oregon State University

Vu, Timothy (2025)
Assistant Professor, Criminal Justice Academies
B.S., California State University, Fullerton
M.B.A., University of Redlands

Walczak, Katharine (2014)
Associate Professor, Learning Center Coordinator
B.A., Earlham College
M.Ed., Cleveland State University
M.B.A., Baldwin-Wallace University

Wang, Wendy (2019)
Associate Professor, Occupational Therapy Assistant
Occupational Studies Bachelor Degree Program
B.S., University of California, Davis
M.A., University of Southern California

Weber, Merari L. (2016)
Professor/Coordinator, ESL
B.A., California State University, Los Angeles
M.A., California State University, Los Angeles
Ed.D., University of Southern California

Yamada, Ted K. (1993)
Professor, Chemistry
B.S., Ph.D., University of Southern California

Yimenu, Betty (2019)
Assistant Professor, Psychology
B.A., California State University, Fullerton
M.A., California State University, Fullerton
Ph.D., Case Western Reserve University

Zarske, John (1996)
Professor, Mathematics
A.A., Golden West College
B.A., California State University, Long Beach
M.S., University of Southern California

Zarske, Monica S. (2005)
Professor/Coordinator, Speech Language Pathology Assistant Program
B.A., San Diego State University
M.A., San Diego State University

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Early Childhood Associate Teacher
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Infant and Toddler Education and Development
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