

SANTA ANA COLLEGE

SUMMER



2022



June 13 - August 7





SANTA ANA COLLEGE

Focused On Your Future

SUMMER 2022 June 13 – August 7

PRESIDENT'S MESSAGE



Welcome to Santa Ana College! We are so happy that you are at our amazing institution, and we are here to provide you excellent services and high-quality education at an affordable rate. Santa Ana College has been part of this community for over 100 years, and we have a rich tradition of academic excellence whether

you want to learn English, earn a high school diploma, learn career or technical education, earn an associate's or bachelor's degree, and/or transfer to a university. The college even offers an Online Pathway, where you can earn your degree completely online in two years for about \$2,500. Here at Santa Ana College, we have a pathway for you!

We recognize that each of you may be at different stages of your life, whether you are a recent high school graduate or a student returning to school after years in the workforce. Going to college is no small feat, but you're doing it, and the college offers student support services to help you thrive. We are proud of your dedication, and the way you are able to balance work, family, life and school.

Through our Guided Pathways framework, we work diligently to ensure students stay on their career or academic path towards completion of their goals.

Even though Santa Ana College has been part of this community for over 100 years, we continue to evolve meeting the needs of our students and growing community. Our new state-of-the-art facilities, including the Science and Johnson Student Centers are 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.

Santa Ana College President

SANTA ANA COLLEGE MISSION STATEMENT

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

sac.edu

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CALENDAR

Online Registration	March 21, 2022
Instruction begins.	June 13, 2022
Refer to section information in WebAdvisor:	
Last day to add a class with instructor’s signature or add code	
Last day to drop a class with enrollment fee refund and no “W” grade	
Last day to file Pass/No Pass	
Last day to drop a class with “W” grade	
Summer Session ends	August 7, 2022

Online Priority Registration Dates:

Veterans/DSPS/EOPS/CalWORKs/Foster Youth.	March 21 – June 12, 2022
Athletes.	March 22 – June 12, 2022
Continuing Students	March 23 – June 12, 2022
New/Returning Students	March 26 – June 12, 2022
Loss of Priority Registration Students	March 27 – June 12, 2022
Special Admit Students	March 28 – June 12, 2022

HOW TO APPLY AND REGISTER

NOTE: Please check that your email address is current in your student profile online in order to receive your username and password.

ADMISSIONS AND RECORDS SUMMER HOURS: sac.edu/admissions

Hours: (by phone, chat or in person) Monday–Thursday, 8:00 am–6:45 pm • Friday, 8:00 am–4:30 pm

Subject to change

STEP ONE:

To apply to Santa Ana College, complete an application online at sac.edu. Select “Apply” and “Apply Online Today!”. After submitting all of your information, you will receive an e-mail confirmation from CCCApply. Within 24- 48 business hours, you will receive another e-mail from Santa Ana College with your login information and important registration information. You will be able to log in to WebAdvisor to register for classes.

STEP TWO: ONLINE REGISTRATION STEPS:

- Go to sac.edu/selfservice
- Log in with your Single Sign On User ID and Password.
- Click on “Student Planning”
- Click on “Go to Plan & Schedule”
- Search courses through “Search for courses...”
- Use “Filter Results” to narrow down course selection
- Click on “View Available Sections for...”
- Click on “Add Section to Schedule” and “Add Section”
- Click “Back to Plan & Schedule”
- Click “Register” to complete registration for the course

Pay immediately to keep your classes.

DROP FOR NON-PAYMENT POLICY

Enrollment fees must be paid IN FULL within 3 calendar days of registration or all of your classes may be dropped and released to other students. In addition to the 3-day non-payment drop policy, there is a final outstanding balance drop date. No balance will be carried over into the start of the semester. All fees (enrollment and health fees) must be paid in full by the Friday (midnight) before the start of the semester. If there is a balance on your account, your classes may be dropped the next morning (Saturday) regardless of when you registered. There will be no drops for nonpayment processed once the semester begins. If you need assistance paying your enrollment fees and would like to apply for a Fee Waiver, go to sac.edu/finaid. It is your responsibility to check your account balance and pay the amount owed.

STUDENT RESPONSIBILITY TO DROP CLASSES

To avoid a “W” grade, students must drop classes on or before the day of first class meeting. Students will not be automatically dropped for non-attendance. You must drop online. After the first day of the first class meeting, you will not be eligible to receive a refund for your classes nor be exempt from payment.

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, 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 attend the first class meeting and obtain the instructor's approval to add the course (Log in to Self-Service often to check your status on the wait list).

PAY FEES IMMEDIATELY

Fees must be paid within 3 calendar days of registering for courses or you may be dropped for non-payment. The date that you register counts as the first calendar day.

Pay Online with a credit card at sac.edu

Pay in person at the college cashier's office locations listed on this page. Payment by check, Visa, MasterCard, and Discover are accepted.

Mail check or money order to:

Registration, SAC Cashier's Office, 1530 W. 17th Street,
Santa Ana, CA 92706

Registration, SCC Cashier's Office, 8045 E. Chapman Avenue, Orange, CA 92869

Do not send cash! Make checks payable to "RSCCD" and write your Student ID number on the check.

Enrollment Fee: \$46.00 per unit. Payment is required of all students upon registering for classes.

Non Resident Tuition: \$317.00 per unit (\$300.00 tuition + \$17.00 capital outlay) in addition to the per enrollment fee for non-resident students. Refer residency questions to the Admissions office.

Health Fee: \$16.00 for intersession is charged to all students whether or not they choose to use health services.

Student Representation Fee: \$2.00

Student Life and Leadership Fee: \$5.00

Refunds: Students will be eligible for a refund if they drop their course on or before the day of the first class meeting.

Material Fee: Material fee may be required for a course. Check classes online for specific fees.

Student Photo Identification Card is available at the Cashier's Office, room VL-205B at Santa Ana College, FREE of charge.

Parking Fee: \$10.00. A permit is required to park on campus and may be purchased at registration. Motorcycles are exempt in designated parking areas.

FIRST CLASS MEETING

Make sure you attend the first class meeting!

Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting or not participating in the first course activity designated to account for active enrollment may be dropped.

OFF-CAMPUS FIELD TRIPS POLICY

Throughout the semester/school year, the District may sponsor voluntary off-campus extracurricular field trips/excursions. If you choose to participate, be advised that pursuant to California Code of Regulations, Subchapter 5, Section 55450, you have agreed to hold the District, its officers, agents and employees harmless from any and all liability or claims which may arise out of or in connection with your participation in the activity.

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.

ONLINE COUNSELING NOW AVAILABLE!

sac.edu/StudentServices/Counseling

ACADEMIC PLANNING QUESTIONS?

sac.edu/StudentServices/Counseling

REGISTRATION QUESTIONS? Call 714-564-6017

sac.edu/admissions

Summer Library Hours

Nealley Library Remote Services

- Hours: For most current hours please see the library website: sac.edu/library

Circulation (Library Accounts and Textbook Reserves): (714) 564-6700

Reference (Research Assistance): (714) 564-6708

The library provides a variety of services and many useful print and online resources for the academic success of students and the informational needs of all.

- **Access to Library Resources:** The library's [research databases](#) remain available for accessing e-articles, e-books, and other online research materials 24/7. We have temporarily doubled our e-books collection due to free publisher access. Online research guides (LibGuides) are also used to point students to free and reliable web content.
- **Research and Informational Assistance:** Nealley librarians and staff are available to respond to information and research assistance requests via chat, email, Zoom, and phone. Details provided on the "[Online Research and Informational Help](#)" page.
- **Research Consultations:** Librarians are available to meet remotely with students on an appointment basis for in-depth research consultations, by Zoom or phone.
- **Textbook Reserves:** The [eTextbooks@Nealley Library guide](#) offers information on available digital course materials, and library staff are available to assist students remotely with locating eTextbook reserve options.
- **Library Research Workshops:** Students may participate in online library workshops: Finding Articles and Evaluating Online Information. For more information on how to enroll in these workshops via Canvas, visit our [Online Workshops website](#).
- **Faculty Support:** Librarians are available to work with faculty remotely involving collection development, research support, information literacy instruction and IL curricular development needs. The [Liaison Librarian](#) list (within the [Faculty Guide to Library Resources and Services](#)) outlines librarian liaison assignments for divisions and departments.

CLASS AND INSTRUCTION METHODS

Classes are currently being taught using a variety of methods. Below you will find the different ways classes are being offered to students college-wide. When selecting a class, please take note of the method of instruction through which that class will be offered. For any questions regarding your classes, please contact your instructor or counselor.

Important notes for both Online, Fully Online Live, Hybrid, Virtual Hybrid, On-Campus with Virtual Instruction, and On Campus classes:

- Access to classes will be available on Canvas, sac.edu/Canvas, the first day of classes.
- Students on wait lists must email the instructor the first week of class to be considered for enrollment.
- Verify that your email address is current on Self-Service.
- Please contact the Distance Education Office if you are unable to login to access your Canvas class(es) at 714-564-6725 or by email: sac_disted@sac.edu
- Information regarding online learning, Canvas help and Frequently Asked Questions can be found at our website: sac.edu/disted

On campus required meeting dates, time and place, and instructor contact information can be found on Self-Service sac.edu/selfservice



FULLY ONLINE INSTRUCTION (O) classes are distance education classes that 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 (OL) classes are distance education classes that only meet 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.



ONLINE & ON-CAMPUS MEETINGS (H) classes are distance education classes that 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.



VIRTUAL HYBRID INSTRUCTION (VH) classes are distance education classes that 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 sac.edu/Canvas and complete work regularly throughout the week. Canvas and other technologies will be required to complete coursework.



ON-CAMPUS WITH VIRTUAL INSTRUCTION (CV) classes are distance education classes that 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.



ON-CAMPUS (C) classes are on-campus and in-person with scheduled meeting days and times. Students will complete their course on campus.

TEXTBOOK AFFORDABILITY

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. A course using Lumen Learning OER will charge a material fee for the online resource.

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.

The college strives to ensure that the OER and ZTC designations are accurate; however, under some circumstances, faculty may have to adjust selection of instructional materials and this can affect course material costs.

It may also be necessary to change instructors. Replacement faculty have academic freedom to choose instructional materials regardless of costs and are not obligated to use free course materials selected by an instructor previously assigned to the class.

ACCOUNTING (ACCT)**ACCT 101, FINANCIAL ACCOUNTING****4.0 UNITS**

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.

11777 **Trone J** **ONLINE** **06/13-07/24**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

11778 **Trone J** **ONLINE** **06/13-07/24**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

VH **11779** **Tu** **Wilson S** **ONLINE** **06/13-08/07**
6:00p-10:00p **Tu** **Wilson S** **ZOOM**

Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

11780 **Hoekstra T** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

ACCT 102, MANAGERIAL ACCOUNTING**4.0 UNITS**

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.

Prerequisite: Accounting 101 with a minimum grade of C.

11781 **Phung T** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

VH **11782** **Weinraub J** **ONLINE** **06/13-08/07**
6:00p-10:00p **W** **Weinraub J** **ZOOM**

Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

11783 **Strong J** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

OL **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

H **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction

VH **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

CV **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

C **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

Low Cost or
Free Textbooks

 **OER**

 **ZTC**


Honors Courses:

 **HONORS**

ACCT 104, FEDERAL AND CALIFORNIA TAXES

4.0 UNITS

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.

 **11784**

Sung L

ONLINE


06/13-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

ACCT 108, TAX PRACTICES AND PROCEDURES

3.0 UNITS

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.


 **14943**

TBA

Weinraub J

ONLINE

Full Semester


 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. There is no additional textbook cost for this ZTC class.

AMERICAN SIGN LANGUAGE (ASL)

ASL 110, AMERICAN SIGN LANGUAGE I

4.0 UNITS

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. Sign Language 110 is equivalent to two years of high school ASL. Students are required to attend at least one off-campus event.


 **11682**

Arazi H

ONLINE

06/13-07/10


Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


 **11683**

Smith E

ONLINE

06/13-07/10

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **11684**

Arazi H

ONLINE

06/13-07/10


Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 **11685**

Smith E

ONLINE

07/11-08/07


 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

ASL 111, AMERICAN SIGN LANGUAGE II

4.0 UNITS

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.

Prerequisite: American Sign Language 110 with a minimum grade of C.


 **11686**


McCrary R


ONLINE


07/11-08/07


Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


 **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

 **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

 **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction

 **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

 **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

 **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

ANTHROPOLOGY (ANTH)**ANTH 100, INTRODUCTION TO CULTURAL ANTHROPOLOGY****3.0 UNITS**

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.


 **11428** **6:00p-9:10p** **Tu Th** **Plascencia M** **D-401** **06/13-08/07**

 **11422** **Robertson M** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

ANTH 101, INTRODUCTION TO PHYSICAL ANTHROPOLOGY**3.0 UNITS**

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.

 **11426** **9:00a-12:35p** **M W** **Robertson M** **ONLINE** **06/13-08/07**

Fully Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus

 **11427** **6:00p-9:35p** **M W** **Leroy A** **ONLINE** **06/13-08/07**

Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus

 **11424** **Robertson M** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

ANTH 101L, PHYSICAL ANTHROPOLOGY LABORATORY**1.0 UNIT**

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 nonhuman 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.

Prerequisite: Anthropology 101 with a minimum grade of C or concurrent enrollment.


 **11425** **Robertson M** **ONLINE** **06/13-08/07**

Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.


ART (ART)**ART 100, INTRODUCTION TO ART CONCEPTS****3.0 UNITS**

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.


 **12726** **Marquez P** **ONLINE** **07/11-08/07**


 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **12729** **Monroe J** **ONLINE** **06/13-07/10**


 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **12732** **Wilson E** **ONLINE** **06/13-07/10**


 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu


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 **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings


 **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.


**Low Cost or
Free Textbooks**


 **OER**


 **ZTC**

Honors Courses:

 **HONORS**

 **12733** **Marquez P** **ONLINE** **07/11-08/07**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **ART 100H, HONORS INTRODUCTION TO ART CONCEPTS** **3.0 UNITS**
 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.


 **12736** **Wilson E** **ONLINE** **06/13-07/10**
 Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

ART 101, SURVEY OF WESTERN ART HISTORY I: PREHISTORY THROUGH THE MIDDLE AGES

3.0 UNITS

The study of art from Prehistory through Middle Ages. Cultures and Civilizations are studied through visual imagery, lecture, class discussion, reading, research, and field trips. Recommended sequence of courses: Art 100, Art 101, Art 102.


Recommended Preparation: Completion of or concurrent enrollment in English 101 or English 101H.

 **12812** **Monroe J** **ONLINE** **06/13-07/10**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

ART 102, SURVEY OF WESTERN ART HISTORY II: RENAISSANCE TO TODAY CENTURY **3.0 UNITS**


The study of Western art history from the Renaissance to today. 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.

Recommended Preparation: English 101 or English 101H is recommended.

 **12809** **Monroe J** **ONLINE** **06/13-07/10**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu


ART 105, HISTORY OF MODERN ART **3.0 UNITS**

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.

 **12807** **Wilson E** **ONLINE** **06/13-07/10**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu


ART 110, TWO-DIMENSIONAL DESIGN **3.0 UNITS**


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.


 **12805** **Hostetter D** **ONLINE** **06/13-08/07**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu


ART 111, THREE-DIMENSIONAL DESIGN **3.0 UNITS**


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.


 **12804** **Lourenco E** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu


 **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

 **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

 **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction

 **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:


 **HONORS**

ART 130, INTRODUCTION TO DRAWING

3.0 UNITS

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.

 **12738** **9:00a-10:20a** **M Tu W Th** **Hower T** **C-210** **06/13-07/24**
 10:30a-1:35p **M Tu W Th** **Hower T** **C-210**

 **12796** **Synicky C** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

ART 162, DIGITAL ILLUSTRATION I

3.0 UNITS

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.

Recommended Preparation: Digital Media 195 or Art 195 or portfolio exhibiting equivalent skills to 3 units of entry-level digital design coursework.

Material Fee(s): \$15.00

 **12938** **Fitch A** **ONLINE** **06/13-08/07**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

ART 168, GRAPHIC DESIGN II: BRANDING & IDENTITY

2.0 UNITS

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.

Material Fee(s): \$25.00

 **12947** **McMillan J** **ONLINE** **06/13-08/07**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

ART 195, INTRODUCTION TO DIGITAL MEDIA ARTS

3.0 UNITS

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.

Material Fee(s): \$15.00

 **12801** **Synicky C** **ONLINE** **06/13-07/10**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

 **12950** **Clark S** **ONLINE** **06/13-07/10**


Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

ART 230, INTERMEDIATE DRAWING

3.0 UNITS


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.


Prerequisite: Art 130 with a minimum grade of C.


 **12793** **9:00a-10:20a** **M Tu W Th** **Hower T** **C-210** **06/13-07/24**
 10:30a-1:35p **M Tu W Th** **Hower T** **C-210**


 **12797** **Synicky C** **ONLINE** **06/13-07/24**


Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu


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 **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:



 **HONORS**

ART 233, ADVANCED DRAWING

3.0 UNITS

To further develop individual graphic expression, 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.

Prerequisite: Art 230 with a minimum grade of C or portfolio review.

	12794	9:00a-10:20a	M Tu W Th	Hower T	C-210	06/13-07/24
		10:30a-1:35p	M Tu W Th	Hower T	C-210	
	12799			Synicky C	ONLINE	06/13-07/24



Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

ASTRONOMY (ASTR)

ASTR 109, INTRODUCTION TO THE SOLAR SYSTEM

3.0 UNITS

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.

	11958	1:45p-4:00p	M Tu W Th	Staff	SC-113-1	06/13-07/21
	11961			Staff	ONLINE	06/13-07/21



Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

AUTOMOTIVE TECHNOLOGY (AUTO)

AUTO 102, INTRODUCTION TO AUTOMOTIVE

3.0 UNITS

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.

	11934			Andreassen K	HYBRID	06/13-07/24
		6:00p-7:35p	M W	Andreassen K	J-102	
		7:45p-10:10p	M W		J-103	

On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online labs. Students log in to Canvas canvas.sac.edu There is no additional cost for this ZTC class.

AUTO 114, SUSPENSION AND STEERING

4.5 UNITS

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.

Recommended Preparation: Automotive Technology 102 is recommended.

	13435			Bittner M	HYBRID	06/13-07/24
		1:00p-1:50p	M Tu W Th	Bittner M	J-102	
		2:00p-5:50p	M Tu W Th		J-103	


On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online labs. Students log in to Canvas canvas.sac.edu

AUTO 116, ELECTRICAL FUNDAMENTALS


5.0 UNITS


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.


Recommended Preparation: Automotive Technology 102 is recommended.


	13436			Roper D	HYBRID	06/13-07/24
		8:00a-9:30a	M Tu W Th	Roper D	J-102	
		9:40a-12:45p	M Tu W Th		J-103	


On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online labs. Students log in to Canvas canvas.sac.edu


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

AUTO 185, BUREAU OF AUTOMOTIVE REPAIR (BAR) SMOG INSPECTOR TRAINING I 5.0 UNITS

This is the Bureau of Automotive Repair (B.A.R.) certified Basic Clean Air Car Course. This course fulfills one of the requirements to take the State Smog Inspector License Exam. The course is designed for students seeking to obtain a California State Smog License and will stay current with B.A.R. guidelines as new regulations and/or technologies are introduced. This course is intended for individuals with some automotive experience or education.

H 13437		Rudd J	HYBRID	06/13-08/07
	6:00p-8:05p	Tu W Th	J-101	
	8:15p-10:20p	Tu W Th	J-103	

On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online labs. Students log in to Canvas canvas.sac.edu

AUTO 186, BUREAU OF AUTOMOTIVE REPAIR (BAR) SMOG INSPECTOR TRAINING II 2.0 UNITS

This is the Bureau of Automotive Repair (B.A.R.) certified Smog Check Inspector Level II course. This course fulfills one of the requirements to take the State Smog Technician Exam. The course is designed for students seeking to obtain a California State Smog License and will stay current with B.A.R. guidelines as new regulations and/or technologies are introduced. This course is intended for individuals with some automotive experience or education.

H 13438		Rudd J	HYBRID	07/11-08/07
	6:00p-10:15p	Tu W Th	J-103	


On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu

BANKING (BANK)

BANK 010, TRAINING FOR ENTRY LEVEL BANKERS INSTITUTIONS 2.0 UNITS

Course provides prospective bank employees with a broad overview of financial institutions and basic knowledge of teller techniques including bank transactions and customer service.

VH 13961		Nguyen K	ONLINE	06/13-08/07
	6:00p-8:00p	Tu	ZOOM	


 Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. There is no additional textbook cost for this ZTC class.

BIOLOGY (BIOL)


BIOL 109, FUNDAMENTALS OF BIOLOGY 3.0 UNITS

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.


C 11929	9:00a-12:35p	M Tu W Th	Staff	R-128	06/13-07/07
C 11930			Staff	ONLINE	06/13-08/07

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


C 11935			Staff	ONLINE	06/13-08/07
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 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

C 11936			Staff	ONLINE	06/13-08/07
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 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

C 11937			Staff	ONLINE	06/13-08/07
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 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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VH **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

CV **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

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Low Cost or Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

BIOL 109L, FUNDAMENTALS OF BIOLOGY LABORATORY

1.0 UNIT

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.

Prerequisite: Biology 109 or Biology 109H with a minimum grade of C or concurrent enrollment.

C	11940	11:00a-1:15p	M Tu W Th	Staff	SC-218	06/13-07/24
C	11938	1:30p-5:05p	M W	Staff	SC-218	06/13-08/04
C	11939	6:00p-9:35p	M W	Staff	SC-218	06/13-08/04

BIOL 190L, INTRODUCTORY BIOTECH LAB

1.0 UNIT

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.

Prerequisite: Biology 190 with a minimum grade of C or Concurrent enrollment in Biology 190.

C	11951	9:00a-12:35p	M Tu	Staff	CHS	06/13-08/04
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BIOL 191, BIOTECH A: BASIC SKILLS

4.0 UNITS

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.

C	11950	9:00a-12:35p	M Tu W Th	Jang C	SC-212	06/13-07/07
		1:20p-4:55p	M Tu W Th	Jang C	SC-212	

BIOL 229, GENERAL MICROBIOLOGY

5.0 UNITS

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.

Prerequisite: Biology 109/109H and 109L, or 139, or 149, or 211, or 239, or 249, or Chemistry 119 or Chemistry 209 with a minimum grade of C.

Material Fee(s): \$20.00

C	11941	9:30a-11:45a	M Tu W Th	Staff	SC-208	06/13-07/21
		12:00p-4:35p	M Tu W Th	Staff	SC-216	

BIOL 239, GENERAL HUMAN ANATOMY

4.0 UNITS

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.

C	11943	11:00a-1:15p	M Tu W Th	Staff	R-124	06/13-07/21
		8:30a-10:45a	M Tu W Th	Staff	SC-217	
C	11944	11:00a-1:15p	M Tu W Th	Staff	R-124	06/13-07/21
		1:30p-3:45p	M Tu W Th	Staff	SC-217	
C	11945	11:00a-1:15p	M Tu W Th	Staff	R-124	06/13-07/21
		4:00p-6:15p	M Tu W Th	Staff	SC-217	
C	11946	11:00a-1:15p	M Tu W Th	Staff	R-124	06/13-07/21
		6:30p-8:45p	M Tu W Th	Staff	SC-217	

BIOL 249, HUMAN PHYSIOLOGY

4.0 UNITS

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.

Prerequisite: Biology 239 with a minimum grade of C or similar Human Anatomy course.

C	11947	12:30p-3:40p	M Tu W	Staff	SC-111	06/13-07/21
		9:00a-12:10p	M Tu W	Staff	SC-213	

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**


C 11948	12:30p-3:40p	M Tu W	Staff	SC-111	06/13-07/21
	4:00p-7:10p	M Tu W	Staff	SC-213	

BUSINESS (BUS)

BUS 100, FUNDAMENTALS OF BUSINESS

3.0 UNITS


An introduction to the basic fundamentals of business. A survey of marketing, management, production, accounting, finance, and economics and how they interrelate in the business environment.


 **11804** **Shweiri G** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is a \$20 material fee with no additional textbook cost.


BUS 101, BUSINESS LAW

3.0 UNITS

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. May only receive credit for Bus 101, Bus 105 or Law 105.

 **11786** **Smith K** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)

 **11789** **Robinson K** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)


 **11792** **Robinson K** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)









BUS 103, COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL EDUCATION-OCCUPATIONAL

1.0 - 4.0 UNITS

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. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

Open Entry / Open Exit


 **11805** **Manzano M** **ONLINE** **06/13-08/07**
 Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

 ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times	<p>Low Cost or Free Textbooks</p>  OER  ZTC Honors Courses:  HONORS
 FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom	
 HYBRID: On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction	
 VIRTUAL HYBRID: Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction	
 ON CAMPUS W/VIRTUAL: On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings	
 ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.	

BUS 104, COOPERATIVE WORK EXPERIENCE-GENERAL EDUCATION-GENERAL 1.0 - 4.0 UNITS


This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field not related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.


Open Entry / Open Exit


 **11806** **Manzano M** **ONLINE** **06/13-08/07**
Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

BUS 105, LEGAL ENVIRONMENT OF BUSINESS 3.0 UNITS

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 most Cal State including Cal State Fullerton. Check with counselor for appropriate class. May only receive credit for Bus 101, Bus 105 or Law 105.

 **11787** **Smith K** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105. Online Degree Pathway course. Registration is open for all students.

 **11790** **Robinson K** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105. Online Degree Pathway course. Registration is open for all students.

 **11793** **Robinson K** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105. Online Degree Pathway course. Registration is open for all students.


BUS 106, CULTURE AND INTERNATIONAL BUSINESS-KISS, BOW OR SHAKE HANDS 3.0 UNITS


An introduction to different cultures and their effects on international business. Analysis of cross-cultural attitudes towards management, status, rules, relationships, motivating employees, and negotiation.


 **11807** **Kowsari A** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


BUS 119, DOING BUSINESS IN LATIN AMERICA AND ASIA 3.0 UNITS

Learn about the advantages of growing your business by doing business in other regions around the world. Learn about the cultural, linguistic, structural and legal differences in order to be successful in these countries. Learn about the specifics of doing business in Latin American and Asian regions and countries including but not limited to Mexico, Vietnam, China, Central America, Brazil, Chile, and Japan.


 **11808** **6:00p-9:10p Tu Th** **Kowsari A** **ONLINE** **06/13-08/07**
Kowsari A **ZOOM**
Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**


BUS 120, PRINCIPLES OF MANAGEMENT

3.0 UNITS

Principles, methods, and procedures essential to the successful management of human and financial resources. Planning, decision making, staffing, directing, motivating, leading, communicating, controlling and the application of managerial skills.

 **11809** Carr B ONLINE 06/13-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is a \$20 material fee with no additional textbook cost.

BUS 130, PERSONAL FINANCE

3.0 UNITS

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.

Prerequisite: Mathematics N48 with a minimum grade of C or placement into Mathematics 083 according to the Santa Ana College Mathematics Department's placement standards.

 **11785** Strong J ONLINE 06/13-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


BUS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS

3.0 UNITS

Introduction to computer concepts and management information systems. Application software will be used to solve business problems.

 **11812** Hester B ONLINE 06/13-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BUS 222, BUSINESS WRITING


3.0 UNITS


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.


Prerequisite: English 101 or 101H with a minimum grade of C.


 **11811** Ursuy C ONLINE 06/13-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is a \$20 material fee with no additional textbook cost.


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Low Cost or Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS


BUSINESS APPLICATIONS (BA)

BA 130, INTRODUCTION TO SPANISH BILINGUAL INTERPRETING

3.0 UNITS

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, professional role, and code of ethics. Fluency in Spanish and English is strongly recommended.

 **12025** **Strong N** **ONLINE** **06/13-08/07**


 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BA 146, COMPUTER FUNDAMENTALS

1.5 UNITS

Learn current computer technology for business and personal use including hardware components and software applications using current standards. Topics also include Internet, virus protection, networking, cloud computing, and Wi-Fi. Helpful tips to make using the computer easier, faster, and more efficient. Course is designed for beginner and experienced users needing to update and build business technology knowledge and skills.

 **12026** **Morgan A** **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


BA 147, MICROSOFT WINDOWS, ONEDRIVE & ONENOTE

1.5 UNITS

This course is designed for beginning and experienced computer users needing to update and build business technology skills in using Windows. Customize settings including Start menu tiles, task bar, shortcuts, and pin apps. Learn efficient methods of using Cortana and Microsoft Edge browser. Save ideas and organize notes for planning and meetings using OneNote, a digital note-taking app. Learn proper management of files and folders using File Explorer and OneDrive cloud storage.


Software Utilized: Windows 10

 **12028** **Morgan A** **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

15844 TBA


Morgan A **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <https://canvas.sac.edu> There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BA 158, INTRODUCTION TO DRONES


1.5 UNITS


Introduction to using drones for commercial and recreational use. Learn how to fly drones safely and legally. Topics include types of drones, taking photos, recording videos, live stream for social media, FAA regulations, Part 107 remote pilot license and exam information, drone registration, preflight, and problem solve flight situations. Learn about the many careers and industries using drones (public safety, investigations, construction, engineering, inspections, real estate, marketing, media, delivery, insurance). Do not need to own or purchase a drone to take this course. Course is designed for beginning and experienced drone users.


 **12030**


Staff **HYBRID** **Full Semester**

5:30p-7:30p Th Staff G-TENN


 On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Drones provided in class. First class meets in A-130. All other class meetings will be at the Tennis Courts. On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Drones provided in class. First class meets in A-130.


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**


BA 161, INTRODUCTION TO DRONE LAWS

0.5 UNIT

An introduction to drone laws for first responder, public safety, commercial and recreational drone users. Topics include the application of federal, state and local laws, third party liability issues, and basics of public safety drone law issues.

 **12046** **Staff** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

BA 163, ADOBE ACROBAT

3.0 UNITS

Learn to use Adobe Acrobat Pro DC to create, edit, sign, secure, and optimize PDF documents for print, web, and email. Topics include create fillable PDF forms, combine and arrange multiple files, convert PDF to Microsoft Office file formats, insert multimedia (graphics, video, audio), add security (restrictions with passwords), accessibility compliance, digital signatures, review process (add comments, proofing marks), page links, bookmarks, Bates Numbering, and Redact tool for redacting text for legal and business documents.

 **12112** **Dumon D** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

BA 179, MICROSOFT OFFICE (WORD, EXCEL, POWER) POINT)

3.0 UNITS

This course is designed for beginning and experienced computer users to build business technology skills in Microsoft Office Word, Excel, and PowerPoint. Learn to use proper techniques to create, edit, format, add multimedia, export PDF, and print professional business documents, spreadsheets, and presentations. This course will prepare the student for the Microsoft Office Specialist (MOS) exams to earn industry recognized certifications in Word, Excel, and PowerPoint.

Software Utilized: MS Office 2019

 **12116** **Morgan A** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

BA 188, MICROSOFT EXCEL

2.0 UNITS

This course is designed for beginning and experienced computer users needing to build and update business technology skills to produce professional Excel worksheets. Learn proper techniques using current business standards to create, edit, format, export PDF, and print worksheets. Topics include insert images, graphics, charts, functions, and formulas. This course will prepare the student for the Microsoft Office Specialist (MOS) exam to earn an industry recognized certification.

Software Utilized: MS Excel 2019

 **12119** **Nguyen T** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


CHEMISTRY (CHEM)

CHEM 109, CHEMISTRY IN THE COMMUNITY


4.0 UNITS


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.


 **11905** **Jenkins C** **ONLINE** **06/13-08/07**


 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Online Degree Pathway. Registration open to all students. There is no additional textbook cost for this ZTC class.

 **11906** **Pratt C** **ONLINE** **06/13-08/07**


 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this ZTC class.

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

CHEM 209, INTRODUCTORY CHEMISTRY

4.0 UNITS

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.

MATH 083 or MATH 084: Mathematics 083 or Mathematics 084 with a minimum grade of C.

C 11916	8:00a-11:35a	M W	Littlejohn S	SC-308	06/13-08/04
	8:00a-11:35a	Tu Th	Littlejohn S	SC-326	
C 11917	6:00p-9:35p	M W	Yamada T	SC-308	06/13-08/04
	6:00p-9:35p	Tu Th	Yamada T	SC-326	
C 11919	6:00p-9:35p	Tu Th	Visco L	SC-308	06/13-08/04
	6:00p-9:35p	M W	Visco L	SC-326	
H 11918			Littlejohn S	HYBRID	06/13-08/04
	8:15a-11:50a	M W	McAdam J	SC-326	

On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu

CHEM 219, GENERAL CHEMISTRY

5.0 UNITS

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.

Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 084 with a minimum grade of C and Chemistry 209 with a minimum grade of C or a passing score on current chemistry placement test.

C 11920	12:00p-1:30p	M Tu W Th	Nguyen W	SC-308	06/13-08/04
	8:30a-11:50a	M Tu W Th	Nguyen W	SC-311	

CHEM 229, GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS

5.0 UNITS

Continuation of Chemistry 219, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.

Prerequisite: Chemistry 219 with a minimum grade of C.

C 11921	12:00p-1:30p	M Tu W Th	McAdam J	SC-208	06/13-08/04
	1:45p-5:05p	M Tu W Th	McAdam J	SC-317	

CHICANO STUDIES (CHST)

CHST 101, INTRODUCTION TO CHICANA/CHICANO STUDIES

3.0 UNITS

This course introduces the field of Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicana Xicana 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/Xicana Xicana experience in the United States. A trans-disciplinary, multisectoral, and multidimensional approach will be employed to study Chicanas/Chicanos/Chican@s/Chicanxs/Xicanas/Xicanos/Xican@s/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/Xicana Xicana have sought to maintain their culture. This course is designed to present a foundation in Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicana Xicana Studies.

O 11824	Valles R	ONLINE	06/13-07/10
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

CHILD DEVELOPMENT (CDEV)

CDEV 107, CHILD GROWTH AND DEVELOPMENT (DS1)

3.0 UNITS

This course examines the major physical, cognitive, social and emotional developmental milestones for children, from conception through adolescence. Emphasis on interactions between maturational 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.)

O 12612	Hardy M	ONLINE	06/13-07/24
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Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu.

Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

OL **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

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Low Cost or Free Textbooks


 **OER**


 **ZTC**

Honors Courses:

 **HONORS**

 **12614** **Kimmel M** **ONLINE** **06/13-07/24**
 Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **12615** **Naman T** **ONLINE** **06/13-08/07**
 Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **12616** **Hardy M** **ONLINE** **06/13-07/24**
 Accelerated 6-week online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CDEV 108, OBSERVATION AND ASSESSMENT FOR EARLY LEARNING AND DEVELOPMENT (DS3) 3.0 UNITS


This course focuses on the appropriate use of assessment and observation strategies to document development, growth, play, and learning to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored.


Prerequisite: Child Development 107 with a minimum grade of C. Negative TB Test (must be completed before observations take place during the semester). By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

 **12618** **Deusenberry J** **HYBRID** **06/13-08/07**
6:00p-8:00p W Deusenberry J V-150
 On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu

CDEV 110, CHILD, FAMILY, AND COMMUNITY (DS2) 3.0 UNITS

The processes of socialization focusing on interrelationship of family, school, and community. Examines the influence of multiple societal context. Explores the role of collaboration between family, community, and schools in supporting children's development.


 **12620** **Trahan Grissom L** **HYBRID** **06/13-08/07**
6:00p-8:00p Th Trahan Grissom L V-150
 On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu


 **12621** **Norton J** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


CDEV 112, HEALTH, SAFETY, AND NUTRITION FOR CHILDREN 3.0 UNITS

This course examines the regulations, policies, procedures and best practices for early childhood curriculum related to health, safety, food, and nutrition while supporting child development through everyday planning and school programming. The importance of collaboration between families and health and school professionals to ensure physical and mental health of all children, families, and professionals will be explored. Students will have to show proof of negative TB test results by the 4th week of the semester. Observations to local child development centers will be included.


 **12622** **Hardy M** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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Low Cost or Free Textbooks

 **OER**

 **ZTC**



Honors Courses:

 **HONORS**

CDEV 200, INTRODUCTION TO TECHNOLOGY IN EARLY CHILDHOOD EDUCATION 2.0 UNITS

This course provides students knowledge about and experience with technological tools used in early childhood settings. Students will have the opportunity to evaluate the impact of technology as it relates to growth and development of children and developmentally appropriate practices. Emphasis will be on basic knowledge and practice in a wide variety of current and emerging technologies and how to integrate them in the learning environment.

 **12623** **Naman T** **ONLINE** **06/13-07/10**

 Accelerated 4-week online instruction. Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu
 There will be no instructional meetings. Instructor has elected to use OpenEducational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CDEV 205, INTRODUCTION TO CHILDREN WITH SPECIAL NEEDS 3.0 UNITS

Introduces the variations in development of children and adolescents with special needs and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to individuals with special needs, and the identification and referral process.

 **12625** **Kimmel M** **ONLINE** **06/13-07/24**

Accelerated 6-week online instruction. Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu
 There will be no instructional meetings.

 **12626** **Kimmel M** **ONLINE** **06/13-07/24**

Accelerated 6-week online instruction. Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu
 There will be no instructional meetings.

CDEV 214, CREATIVE ART EXPERIENCES FOR CHILDREN 2.0 UNITS

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.

 **12627** **Mc Innish A** **HYBRID** **06/13-07/10**

6:00p-8:30p W Mc Innish A ZOOM

On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu

CDEV 221, LIVING AND TEACHING IN A DIVERSE SOCIETY 3.0 UNITS

Examination of the development of social identities in diverse societies, and implications of oppression and privilege, as they apply to young children, families, programs, classrooms, and teaching. Classroom strategies will be explored emphasizing culturally and linguistically appropriate anti-bias approaches, self-examination, and reflection on issues related to social identity, stereotypes and bias, social and educational access, media, and schooling.

 **12628** **Seneviratne A** **HYBRID** **07/04-07/31**

6:00p-8:00p W Seneviratne A V-151

Accelerated 4-week online instruction. On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu

 **12629** **Becerra C** **ONLINE** **06/13-08/07**


Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


CDEV 229, BRAIN DEVELOPMENT AND LEARNING 2.0 UNITS


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 environment affects the brain.


 **12630** **Lamourelle C** **ONLINE** **06/13-08/07**


Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


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Low Cost or Free Textbooks


 **OER**

 **ZTC**


Honors Courses:


 **HONORS**

CDEV 232, MATH AND SCIENCE METHODS FOR EARLY LEARNING ENVIRONMENTS 2.0 UNITS
 Introduces early learning teachers to basic math and science principles and the standards established by the National Council of Teachers of Mathematics, National Science Content Standards for early learning environments and Next Generation Science Standards. This course includes theoretical and practical applications for problem-solving and critical thinking that are common to math and science. Students will develop a personal file of appropriate math/science activities for early learning.

 **12632** **Seneviratne A** **HYBRID** **06/13-08/07**
6:00p-8:00p Tu **Seneviratne A** **CANVAS**
 On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu



CDEV 298A, PRACTICUM IN EARLY CHILDHOOD PROGRAMS 3.5 UNITS
 Under guided supervision in a RSCCD Child Development Center or approved mentor site, students will demonstrate competency in connecting theory to practice, and enhance professional-behaviors. Students will plan and implement child-centered, play-oriented approaches to teaching, learning, and assessment. Knowledge of curriculum content areas will be emphasized as students design, implement, and evaluate positive experiences for young children. *Prerequisite: Child Development 107, Child Development 108, Child Development 110, Child Development 111A, Child Development 111B, Child Development 112, and Child Development 221 with a minimum grade of C. And by the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.*



 **12634** **6:00p-8:10p Tu Th** **Mc Innish A** **RL** **06/13-07/24**
 Remote Live. Students attend live-streamed meetings on Canvas during the scheduled days and times. canvas.sac.edu. There will be no instruction on-campus. Section 12634 has 11.5 hours arranged per week. Due to COVID-19, a very limited number of fieldwork openings will be available so enrollment will be limited. Place yourself on the waitlist and await further instructions.


 **12635** **6:00p-8:10p Tu Th** **Mc Innish A** **V-151** **06/13-07/24**
 This class meets on-campus. Section 12635 has 11.5 hours arranged per week. Place yourself on the waitlist and await further instructions.


COMMUNICATION STUDIES (CMST)


CMST 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION 3.0 UNITS
 Introduction to communication theory, rhetoric, listening, perception, language usage, nonverbal communication, and conflict management. Students participate in oral and written exercises and simulations; these activities are designed to enhance communicative awareness and skills in interpersonal contexts. It is designed to assist students in improving their own interpersonal and oral communication skills.
Recommended Preparation: Completion of or concurrent enrollment in English 101 or English 101H with a minimum grade of C.


 **12712** **Labreau K** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

 **12714** **Pierce C** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.


 **12715** **Saterfield K** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu.


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Low Cost or Free Textbooks

 **OER**

 **ZTC**





Honors Courses:

 **HONORS**

CMST 102, PUBLIC SPEAKING

3.0 UNITS

Teaches critical thinking skills in relation to public speaking. Emphasis on the process, principles, and major facets of critical thinking with practice through oral presentations.

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12716 **Pierce C** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class
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12717 **Rehm D** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class
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12718 **Rehm D** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class
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12719 **Labreau K** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class
- 12720** **Lockwood L** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu.
- 12721** **Lockwood L** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu.

CMST 140, ARGUMENTATION AND DEBATE

3.0 UNITS

Principles of debate techniques with emphasis on methods of logical analysis and reflective thinking. Practical application through adaptation of material to forms of debate on current issues.

Recommended Preparation: Completion of or concurrent enrollment in English 101 recommended. Communication Studies 097 recommended for non-native speakers.

- 12722** **Lockwood L** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu.
- 12723** **Lockwood L** **ONLINE** **06/13-07/24**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu.

COMPUTER SCIENCE (CMPR)










CMPR 100, THE COMPUTER AND SOCIETY

3.0 UNITS

An introduction to the area of computers and their relationship to today's information society. Examines a broad overview of topics including hardware, software, networking, information technology, and the Internet. The student will explore the implication and effect of technology on society, careers, and ethics.

Software Utilized: MS Office 2019/365

- 11813** **Nguyen H** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.
- 11815** **Quach N** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

	ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times	Low Cost or Free Textbooks  OER  ZTC Honors Courses:  HONORS
	FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom	
	HYBRID: On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction	
	VIRTUAL HYBRID: Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction	
	ON CAMPUS W/VIRTUAL: On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings	
	ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.	

CMPR 104, COOPERATIVE WORK EXPERIENCE EDUCATION-OCCUPATIONAL 1.0 - 4.0 UNITS

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. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

Open Entry / Open Exit

O **11816** **Nguyen H** **ONLINE** **06/13-08/07**
 Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

CMPR 112, JAVA PROGRAMMING 3.0 UNITS

Study of the Java language, its features and applications.

Software Utilized: Java 2 SDK V 1.4.2

VH **11817** **Quach N** **ONLINE** **06/13-08/07**
6:00p-9:00p **M W** **Quach N** **ZOOM**

Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

CMPR 113, ADVANCED JAVA 3.0 UNITS

This course will introduce Text Processing, Inheritance, Exception's I/O, Intro and Advanced GUI Applications, Arrays, Advanced Classes and Database Connections using Java Database Connectivity (JDBC). Students should already have knowledge of Java in Decision Making using If Conditional Statements, Basic Loops, Creating Methods and Creating Classes.

Prerequisite: Computer Science 112 with a minimum grade of C.

OL **11819** **6:00p-9:10p** **Tu Th** **Sim J** **ONLINE** **06/13-08/07**
 Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

CMPR 120, INTRODUCTION TO PROGRAMMING 3.0 UNITS

Introduction to programming concepts including data types, mathematical operations, elementary input/output, and the basic control structures of sequence, selection, iteration, and functions. Program design techniques utilizing structured and object-oriented methodologies will be emphasized.

Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C.

O **13157** **Aziz T** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

CMPR 140, DISCRETE STRUCTURES FOR COMPUTER SCIENCE 3.0 UNITS

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. Recommended preparation: College Algebra.

VH **13167** **Sweeney G** **ONLINE** **06/13-07/24**
3:30p-5:30p **M W** **Sweeney G** **ZOOM**

Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

COUNSELING (CNLS)

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

OL **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

CNSL 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION

3.0 UNITS

This course is designed to assist students in successfully establishing and achieving education, career, and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills, and learning styles. Career and education 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.

Material Fee(s): \$16.00

14113	9:00a-1:35p	M	Staff	I-108	06/27-08/07
	9:00a-1:35p	W	Staff	ZOOM	

SSS TRIO students only Material Fee: \$16.00 On-Campus Hybrid and Virtual Instruction. A combination of on-campus and live streaming meetings during the days and times indicated . Students log in to Canvas. canvas.sac.edu


14115	9:00a-1:15p	Tu	Staff	I-108	06/27-08/07
	9:00a-1:15p	Th	Staff	ZOOM	

SSS TRIO students only Material Fee: \$16.00 On-Campus Hybrid and Virtual Instruction. A combination of on-campus and live streaming meetings during the days and times indicated . Students log in to Canvas. canvas.sac.edu

C	14112	5:00p-10:10p	M W	Staff	I-108	06/13-07/24
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Material Fee: \$16.00

O	14111			Staff	ONLINE	06/13-07/24
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 Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CNSL 144, REASONING AND PROBLEM SOLVING

3.0 UNITS

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.

C	14119	5:00p-10:10p	M W	Staff	I-101	06/13-07/24
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O	14116			Staff	ONLINE	06/13-07/24
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O	14117			Staff	ONLINE	06/13-07/24
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O	14118			Staff	ONLINE	06/13-07/24
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

CNSL 150, INTRODUCTION TO HUMAN SERVICES

3.0 UNITS

The history and philosophy of human services including theoretical frameworks, the function and orientation of human service organizations and the roles and qualifications of human service workers. A study of the target populations served by the human services and the professional, ethical, and cultural issues facing the human service field.

O	14120			Staff	ONLINE	06/13-07/24
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

CRIMINAL JUSTICE (CJ)

CJ 101, INTRODUCTION TO CRIMINAL JUSTICE

3.0 UNITS

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.

 **11893** **8:00a-11:10a** **M Tu W Th** **Gonis Jr A** **ONLINE** **07/11-08/07**

Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. Textbook required.

CRIMINAL JUSTICE ACADEMIES (CJA)

CJA 050, INTRODUCTION TO DRONE LAWS

0.5 UNIT

An introduction to drone laws for first responder, public safety, commercial and recreational drone users. Topics include the application of federal, state and local laws, third party liability issues, and basics of public safety drone law issues.

 **12111** **Staff** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.



Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CULINARY ARTS (CULN)

CULN 110, FOOD SAFETY AND SANITATION

2.0 UNITS

Sanitation practices affecting individual operations. Prevention and control of foodborne illnesses through flow of food and HACCP management.

 **12780** **Heremans T** **ONLINE** **07/11-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

DANCE (DNCE)

DNCE 100, DANCE HISTORY AND APPRECIATION

3.0 UNITS

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 21th Century. Emphasizes the contemporary dance heritage of the United States.

 **12709** **Westergard-Dobson C** **ONLINE** **06/13-08/07**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

DIESEL (DSL)

DSL 171, HEATING, VENTILATION, AND AIR CONDITIONING


3.5 UNITS


Operation, testing, and servicing of truck cab air conditioning and heating systems as well as auxiliary power units. Safety, refrigerant recovery, special equipment, and controls will be covered. Applied air conditioning theory will also be covered. The EPA 609 certification is a segment of this course. This course helps prepare students for the T7 ASE certification exam. Field trips may be required.


 **12769** **6:00p-8:00p** **M Tu W Th** **Lopez Garcia L** **J-109** **06/13-07/24**

8:10a-10:25p **M Tu W Th** **Lopez Garcia L** **J-109**


This class meets on-campus.

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

DIGITAL MEDIA (DM)**DM 103, HISTORY OF FILM TO 1945****3.0 UNITS**

A survey course exploring film as an art form and developing appreciation of historical, artistic, and technical advances from 1890s to 1945.

12927**Taylor M****ONLINE****06/13-08/07**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

12929**Taylor M****ONLINE****06/13-08/07**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

DM 104, HISTORY OF FILM FROM 1945 TO PRESENT**3.0 UNITS**

A lecture/visual aids course exploring film as an art form and developing appreciation of historical, artistic and technical advances.

12930**Dermody M****ONLINE****06/13-08/07**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

12931**Dermody M****ONLINE****06/13-08/07**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

DM 107, HISTORY OF ANIMATION**3.0 UNITS**

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.

12935**Kumar A****ONLINE****06/13-07/10**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

DM 162, DIGITAL ILLUSTRATION I PRINCIPLES**3.0 UNITS**

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.

Recommended Preparation: Digital Media 195 or Art 195 is recommended.

12937**Fitch A****ONLINE****06/13-08/07**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

DM 168, GRAPHIC DESIGN II: BRANDING AND IDENTITY PRINCIPLES**2.0 UNITS**

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.

12944**McMillan J****ONLINE****06/13-08/07**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

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OER

ZTC



Honors Courses:

HONORS

DM 195, INTRODUCTION TO DIGITAL MEDIA ARTS PRINCIPLES

3.0 UNITS

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.


 **12949** **Clark S** **ONLINE** **06/13-07/10**
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

EARTH SCIENCES (ERTH)

ERTH 110, INTRODUCTION TO EARTH SCIENCE

3.0 UNITS

A study of the processes that shape and form the Earth and define its place in the solar system. Introduction to the sciences of geology, oceanography, meteorology, and astronomy. Not open to students who are enrolled, or have credit in Geology 101 or Geography 101. Optional half-day field trip.




 **14140** **8:00a-1:10p** **M Tu W Th F Sa Su** **Coyne C** **UCI** **07/22-07/31**
 This is a 10 day residential program at UCI. Please apply through SAC's University Transfer Center.

ECONOMICS (ECON)

ECON 120, PRINCIPLES/MACRO

3.0 UNITS

Introduction to macroeconomics, including basic economic concepts, analysis of markets, national income accounting, employment, short run business cycle fluctuations, long run growth trends, monetary and fiscal policies, and international economic issues. Intended for economics, business, and certain engineering/computer science majors. *Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.*

 **11544** **5:30p-9:45p** **Tu Th** **Do H** **D-209** **06/13-07/24**
 **11384** **Werboff A** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.
 **11386** **Do H** **ONLINE** **07/11-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

ECON 121, PRINCIPLES/MICRO

3.0 UNITS

Introduction to microeconomics, including basic economic concepts, analysis of markets, efficiency, consumer and firm behavior, industry structures, market failure, and resource markets. For economics, business, and certain engineering and computer science majors. *Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.*

 **11387** **Allen M** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


EMERGENCY MEDICAL TECHNICIAN (EMT)

EMT 104, EMERGENCY MEDICAL TECHNICIAN

10.0 UNITS

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.

Corequisite: Current American Heart Association "BLS Provider" CPR Certification and concurrent enrollment in Emergency Medical Technician 105.

 **11083** **8:00a-1:20p** **Tu W Th** **Dibb P** **B-7** **06/07-08/13**
1:20p-3:10p **Tu W Th** **Dibb P** **B-4**
 A current American Heart Association BASIC BLS CPR card is REQUIRED to be shown on the first day. FAILURE TO SHOW YOUR AMERICAN HEART ASSOCIATION CARD WILL RESULT IN BEING DROPPED from class. Students registering for EMT 104 Section 11083 are required to register for EMT 105 section 11084.

EMT 105, CLINICAL EMT SKILLS LABORATORY

1.0 UNIT

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.

Corequisite: American Heart Association "Basic Life Support (BLS) Provider" CPR Certification and concurrent enrollment in Emergency Medical Technician 104.

C 11084 **Dibb P** **B-6** **06/07-08/13**

A current American Heart Association BASIC BLS CPR card is REQUIRED to be shown on the first day. FAILURE TO SHOW YOUR AMERICAN HEART ASSOCIATION CARD WILL RESULT IN BEING DROPPED from class. Students registering for EMT 105 Section 11084 are required to register for EMT 104 section 11083.

ENGINEERING (ENGR)

ENGR 060, ROBOTICS SURVEY

0.5 UNIT

This course introduces students to basic robotics. Students will program a robot to receive sensor input, control motors, and produce behaviors. Course provides student exposure to robotics, which now plays a major role in modern manufacturing and industrial automation.

C 11834 **9:05a-12:10p** **W** **Rodriguez J** **SC-134** **06/15-06/29**
9:05a-12:10p **W** **Rodriguez J** **SC-134**

This class meets on-campus.

ENGR 100A, INTRODUCTION TO ENGINEERING

3.0 UNITS

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.

VH 11828 **6:00p-9:10p** **Tu** **Galvez R** **ONLINE** **06/13-08/07**
Rodriguez J **ZOOM**

Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

ENGR 115, COOPERATIVE WORK EXPERIENCE EDUCATION-OCCUPATIONAL

1.0 - 4.0 UNITS

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. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

O 11837 **Rodriguez J** **ONLINE** **06/13-08/07**

Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

ENGR 183, AUTOCAD I

4.0 UNITS

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.

Software Utilized: AutoCAD 2020

VH 11829 **6:00p-8:00p** **M W** **Galvez R** **ONLINE** **06/13-08/07**
Galvez R **ZOOM**

Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

OL **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

H **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction

VH **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

CV **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

C **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

ENGLISH (ENGL)**ENGL 101, FRESHMAN COMPOSITION****4.0 UNITS**

Expository and argumentative essays and the research paper. Special interest sections described in schedule of classes.

EMLS 112 or ENGL 061 or ENGL 061X: English 061 or English 061X or English for Multilingual Students 112 with a minimum grade of C or qualifying profile from English placement process.

C	12771	8:00a-1:05p	M Tu W Th	Rocke B	D-110	06/13-07/10
C	12770	10:15a-1:20p	M Tu W Th	Martinez Guzman D	D-109	06/13-07/24
C	12767	1:30p-4:35p	M Tu W Th	Martinez Guzman D	D-109	06/13-07/24
O	12649			Bootman A	ONLINE	06/13-07/24
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
O	12650			Bootman A	ONLINE	06/13-07/24
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
O	12652			Bassett D	ONLINE	06/13-07/24
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
O	12768			Axtell C	ONLINE	06/13-07/24
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
O	12772			Simmerman S	ONLINE	06/13-07/10
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
O	12773			Ramshaw C	ONLINE	06/13-07/24
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
O	12774			Ramshaw C	ONLINE	06/13-07/24
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
O	12775			Bassett D	ONLINE	06/13-07/24
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					

ENGL 102, LITERATURE AND COMPOSITION**4.0 UNITS**

A second semester course in composition and literature that uses literature to develop critical thinking skills with extensive readings selected from the four major genres.

ENGL 101 or ENGL 101H: English 101 or English 101H with a minimum grade of C.

C	12776	10:30a-2:45p	M Tu W Th	Staff	D-208	06/13-08/07
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ENGL 102H, HONORS LITERATURE AND COMPOSITION**4.0 UNITS**

An enriched approach designed for honors students. A second semester course in composition and literature that uses literature to develop critical thinking skills with extensive readings selected from the four major genres.

ENGL 101 or ENGL 101H: A high school GPA of at least 3.0 if a first-term college student or college cumulative GPA of 3.0 or higher and English 101 or English 101H with a minimum grade of C.

15047	10:30a-1:35p	M Tu W Th	Patterson K	ZOOM	06/13-07/24
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Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated.

Students log in to Canvas. <https://canvas.sac.edu>. There will be no instruction on-campus.

ENGL 103, CRITICAL THINKING AND WRITING**4.0 UNITS**

This course focuses on developing critical thinking, reading, and writing skills by studying established argumentative methods and models and applying them to contemporary issues. Emphasis will be on logical reasoning and analytical and argumentative skills necessary for critical writing.

ENGL 101 or ENGL 101H: English 101 or English 101H with a minimum grade of C.

C	12788	8:00a-3:00p	M Tu W Th F Sa Su	Kelley S	UCI	07/22-07/31
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This section is a 10-day residential program at UCI. Please apply through SAC's University Transfer Center.

- O** **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times
- OL** **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom
- H** **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction
- VH** **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction
- CV** **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings
- C** **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

- 12778** **Villa B** **ONLINE** **07/11-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.
- 12779** **Villa B** **ONLINE** **07/11-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.
- 12784** **Beyersdorf M** **ONLINE** **06/13-07/10**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.
- 12785** **Gilreath G** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

ENGL 103H, HONORS CRITICAL THINKING AND WRITING **4.0 UNITS**

Enriched and intensive exploration of historical and contemporary issues. Application of critical thinking, writing and reading skills to established argumentative methods and models through student- initiated discussion and problem-solving in a seminar setting.

ENGL 101 or ENGL 101H: A college GPA or high school GPA for first term college students of 3.0 or higher and English 101 or English 101H with a minimum grade of C.

- 12789** **8:00a-3:00p** **M Tu W Th F Sa Su** **Kelley S** **UCI** **07/22-07/31**
 This section is a 10-day residential program at UCI. Please apply through SAC's University Transfer Center.

ENGL 270, CHILDREN'S LITERATURE **3.0 UNITS**

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.

Prerequisite: English 101 or English 101H with a minimum grade of C.

- 15049** **5:30p-7:50p** **M Tu W Th** **Patterson K** **SAC ZOOM** **06/13-07/24**
 Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <https://canvas.sac.edu>. There will be no instruction on-campus
- 12786** **Axtell C** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

ETHNIC STUDIES (ETHN)

ETHN 101, INTRODUCTION TO ETHNIC STUDIES **3.0 UNITS**

This course serves to broaden the ethnic and racial perspectives of students interested in American culture and society. It encompasses a historical overview of the social, cultural, political, and economic aspects of four ethnic groups -- Native/First People Americans, African/Black Americans, Latin Americans/Latina Americans/Latino Americans/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 101H.

- 11825** **Valles R** **ONLINE** **06/13-07/10**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

FASHION DESIGN MERCHANDISING (FDM)

FDM 105A, BEGINNING SEWING **3.0 UNITS**

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.

- 11859** **Benson K** **HYBRID** **06/13-07/24**
10:00a-2:00p **Tu Th** **Benson K** **T-201**
 On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu
- 12575** **Staff** **ONLINE** **06/13-08/07**
 Fully Online Live Instruction. Live streaming instruction and labs via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

FDM 105B, INTERMEDIATE SEWING

3.0 UNITS

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. *Recommended Preparation: 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.*

H 12601 Benson K HYBRID 06/13-08/07
 10:00a-2:00p Tu Th Benson K T-201

On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu

O 12602 Benson K ZOOM 06/13-08/07

Fully Online Live Instruction. Live streaming instruction and labs via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

FDM 114, 3D DESIGN

3.0 UNITS

This course will teach students how to create 3D garments in Clo3D/Marvelous Designer. This course will take students having 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.

Recommended Preparation: Fashion Design Merchandising 109 with a minimum grade of C, or pattern drafting knowledge.

O 12986 Benson K ONLINE 06/13-08/07

Fully Online Live Instruction. Live streaming instruction and labs via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

FDM 299, COOPERATIVE WORK EXPERIENCE EDUCATION

1.0 - 6.0 UNITS

This work experience course of supervised employment is designed to assist students to acquire career awareness, work habits, attitudes and skills related to the student's college major. Credit may be accrued at the rate of one to six units per semester. One unit of course credit equals 75 hours of paid work or 60 hours of unpaid work. Student repetition up to 16 units is permissible per Title 5, Section 55253.

Recommended Preparation: 12 units of Fashion Design Merchandising courses completed with C or better.

Open Entry / Open Exit

O 11845 Benson K ONLINE 06/13-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required coursework. canvas.sac.edu There will be no instructional meetings. 450 hours arranged per semester. This work experience course of supervised employment is designed to assist students to acquire career awareness, work habits, attitudes and skills related to the student's college major. Credit may be accrued at the rate of one to six units per semester. One unit of course credit equals 75 hours of paid work or 60 hours of unpaid work. Student repetition up to 16 units is permissible per Title 5, Section 55253. *Recommended Preparation: 12 units of Fashion Design Merchandising courses completed with C or better.*

FIRE TECHNOLOGY (FTC)

FTC 101, FIRE PROTECTION ORGANIZATION

3.0 UNITS

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.

H 11827 Freeman S HYBRID 06/13-07/21
 8:30a-11:30a Tu Freeman S A-128

On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu

O 15011 Lunde T ONLINE 06/13-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

OL **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

H **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction

VH **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

CV **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

C **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

Low Cost or Free Textbooks

 OER

 ZTC



Honors Courses:

 HONORS

FTC 102, FIRE BEHAVIOR AND COMBUSTION

3.0 UNITS

This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.

-  **11831** **Lunde T** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.
-  **11832** **Lunde T** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

GEOGRAPHY AND THE ENVIRONMENT (GEOG)

GEOG 100, WORLD REGIONAL GEOGRAPHY

3.0 UNITS

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.

-  **11388** **Conley J** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

GEOG 101, INTRODUCTION TO THE NATURAL ENVIRONMENT

3.0 UNITS

Introduction to the physical elements of geography: maps, earth/sun relationships, meteorology and climatology, natural vegetation, soils, and geomorphology.


-  **11389** **Courter W** **ONLINE** **06/13-07/24**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

GEOG 101L, INTRODUCTION TO THE NATURAL ENVIRONMENT LABORATORY

1.0 UNIT

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.

Corequisite: Concurrent enrollment in Geography 101.



-  **11391** **Courter W** **ONLINE** **06/13-07/24**
Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

HISTORY (HIST)

HIST 101, WORLD CIVILIZATIONS TO THE 16TH CENTURY

3.0 UNITS


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.

-  **11411** **9:00a-12:35p** **M W** **Lira S** **D-102** **06/13-08/07**
-  **11416** **Hacholski M** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

HIST 102, WORLD CIVILIZATIONS SINCE THE 16TH CENTURY

3.0 UNITS



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.

-  **11417** **Hunt R** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

HIST 120, THE UNITED STATES TO 1877

3.0 UNITS

Examines major political, economic, intellectual, and social forces at home and abroad that shaped American life from the colonial period through Reconstruction.

-  **11413** **9:00a-12:35p** **M W** **Lewis J** **D-103** **06/13-08/07**
-  **11418** **Ramirez A** **ONLINE** **06/13-08/07**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

HIST 121, THE UNITED STATES SINCE 1865

3.0 UNITS

A critical analysis of American history. Includes industrial and technological development, the changing nature of society, cultural developments, domestic politics, and America's expanded world role.

 **11414** **9:00a-12:10p** **Tu Th** **Deluna D** **D-213** **06/13-08/07**

 **11419** **Staff** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

HIST 124, MEXICAN AMERICAN HISTORY IN THE UNITED STATES

3.0 UNITS

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.

 **11415** **6:00p-9:35p** **M W** **Fernandez L** **D-213** **06/13-08/07**

 **11420** **Fernandez L** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

HIST 127, WOMEN IN U.S. HISTORY

3.0 UNITS

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.

 **11421** **Stanfield A** **ONLINE** **06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


KINESIOLOGY ACTIVITIES (KNAC)


KNAC 123, PERSONAL FITNESS TRAINING

1.0 UNIT


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.


 **12022** **Jones G** **ONLINE** **06/13-08/07**


 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **12023** **Jones G** **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **12024** **Jones G** **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


KNAC 150A, BEGINNING HATHA YOGA


1.0 UNIT


This course is designed as an introduction to the practice of Hatha Yoga. Emphasis will be placed on proper breathing techniques and learning basic 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.

 **13034** **12:00p-2:15p** **M Tu W Th** **Anderson R** **ZOOM** **06/13-07/21**


Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

 **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

 **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

 **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction

 **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

 **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings


 **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

KNAC 155A, BEGINNING SELF-DEFENSE

1.0 UNIT

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.

OL 13035 **8:00a-10:10a** **M Tu W Th** **Celis J** **ZOOM** **06/27-08/04**
 Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

KNAC 200A, BEGINNING INTRAMURAL-BASKETBALL

1.0 UNIT

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.

C 12309 **12:30p-3:40p** **M Tu W Th** **Breig D** **G-105** **07/11-08/04**

KNAC 200B, INTERMEDIATE INTRAMURAL SPORTS- BASKETBALL

1.0 UNIT

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.

Prerequisite: Kinesiology Activities 200A with a minimum grade of C.

C 12310 **12:30p-3:40p** **M Tu W Th** **Breig D** **G-105** **07/11-08/04**

KNAC 200C, ADVANCED INTRAMURAL BASKETBALL

1.0 UNIT

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.

Prerequisite: Kinesiology Activities 200B with a minimum grade of C.

C 12311 **12:30p-3:40p** **M Tu W Th** **Breig D** **G-105** **07/11-08/04**

KNAC 220A, BEGINNING BASKETBALL

1.0 UNIT

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.

C 12651 **4:30p-6:40p** **M W** **Luppiani M** **G-105** **06/27-08/04**
 2:45p-4:55p **Tu Th** **Luppiani M** **G-105**

KNAC 220B, INTERMEDIATE BASKETBALL

1.0 UNIT

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.

Prerequisite: Kinesiology Activities 220A with a minimum grade of C.

C 12657 **4:30p-6:40p** **M W** **Luppiani M** **G-105** **06/27-08/04**
 2:45p-4:55p **Tu Th** **Luppiani M** **G-105**

KNAC 220C, ADVANCED BASKETBALL

1.0 UNIT

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.

Prerequisite: Kinesiology Activities 220B with a minimum grade of C.

C 12659 **4:30p-6:40p** **M W** **Luppiani M** **G-105** **06/27-08/04**
 2:45p-4:55p **Tu Th** **Luppiani M** **G-105**

KNAC 260A, BEGINNING SOCCER

1.0 UNIT

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.

C 12324 **10:30a-12:40p** **M Tu W Th** **Vasquez J** **G-118** **06/27-08/04**
 12337 **2:00p-4:10p** **M Tu W Th** **Baquero J** **G-118** **06/27-08/04**

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

OL **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

H **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction

VH **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

CV **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

C **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

KNAC 260B, INTERMEDIATE SOCCER

1.0 UNIT

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.

Prerequisite: Kinesiology Activities 260A with a minimum grade of C.

 12325	10:30a-12:40p	M Tu W Th	Vasquez J	G-118	06/27-08/04
 12338	2:00p-4:10p	M Tu W Th	Baquero J	G-118	06/27-08/04

KNAC 260C, ADVANCED SOCCER

1.0 UNIT

This course is designed to review and solidify the proper techniques associated with intermediate level outdoor 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.

Prerequisite: Kinesiology Activities 260B with a minimum grade of C.

 12326	10:30a-12:40p	M Tu W Th	Vasquez J	G-118	06/27-08/04
 12339	2:00p-4:10p	M Tu W Th	Baquero J	G-118	06/27-08/04

KNAC 270A, BEGINNING SOFTBALL

1.0 UNIT

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.

 12987	2:30p-5:05p	M Tu W Th	Ross M	G-120	07/04-08/04
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KNAC 290A, BEGINNING VOLLEYBALL

1.0 UNIT

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.

 12741	6:45p-9:15p	M W	Abbey T	G-105	06/13-08/04
	5:10p-7:40p	Tu Th	Abbey T	G-105	

KNAC 290B, INTERMEDIATE VOLLEYBALL

1.0 UNIT

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.

Recommended Preparation: Kinesiology Activities 290A with minimum a grade of C.

 12742	6:45p-9:15p	M W	Abbey T	G-105	06/13-08/04
	5:10p-7:40p	Tu Th	Abbey T	G-105	

KINESIOLOGY AEROBIC FITNESS (KNAF)

KNAF 140A, BEGINNING WALKING/JOGGING FOR FITNESS

1.0 UNIT

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.

 13032	8:00a-10:10a	M Tu W Th	Ross M	G-113	06/27-08/04
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KNAF 150A, BEGINNING STRETCH, FLEX AND TONE

1.0 UNIT

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.

 12021		Sos B	ONLINE		06/13-08/07
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


KINESIOLOGY FITNESS (KNFI)


KNFI 147A, BEGINNING WEIGHT TRAINING


1.0 UNIT

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.


 13029	10:20a-12:30p	M Tu W Th	Ross M	G-103	06/27-08/04
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 **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

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 **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

 **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

KNFI 147B, INTERMEDIATE WEIGHT TRAINING

1.0 UNIT

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.

Prerequisite: Kinesiology Fitness 147A with a minimum grade of C

C 13031 10:20a-12:30p M Tu W Th Ross M G-103 06/27-08/04

KINESIOLOGY HEALTH EDUCATION (KNHE)

KNHE 101, HEALTHFUL LIVING

3.0 UNITS

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.

O 12308 Breig D ONLINE 07/11-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

OER Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 12744 Nyssen A ONLINE 06/13-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

KNHE 102, WOMEN'S HEALTH ISSUES

3.0 UNITS

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.

O 12981 Nutter K ONLINE 06/27-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

KNHE 104, NUTRITION AND FITNESS

2.0 UNITS

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.

O 12743 Abbey T ONLINE 07/11-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

KINESIOLOGY INTERCOLLEGIATE ATHLETICS (KNIA)

KNIA 125, CONDITIONING FOR FOOTBALL

0.5 UNITS

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.

C 12745 2:00p-4:50p Tu W Th Nyssen A G-114 06/13-07/07

C 12751 2:00p-4:50p Tu W Th White A G-114 06/13-07/07

KNIA 128, CONDITIONING FOR ATHLETES

0.5 UNITS

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.

C 12323 9:00a-10:20a M Tu W Th Vasquez J G-103 06/27-08/04

C 12334 12:00p-1:20p M Tu W Th Baquero J G-103 06/27-08/04

O ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times

OL FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom

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Low Cost or Free Textbooks

OER OER

ZTC ZTC

Honors Courses:

HONORS


KNIA 230, PRESEASON FOOTBALL

0.5 UNIT

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.

	12747	9:00a-10:00a	Tu W Th	Nyssen A	G-114	07/11-08/04
		10:00a-11:50a	Tu W Th	Nyssen A	G-113	

Section 12747 is designated for defensive players

	12754	9:00a-10:00a	Tu W Th	White A	G-114	07/11-08/04
		10:00a-11:50a	Tu W Th	White A	G-113	

Section 12754 is designated for offensive players

KNIA 281, TRACK AND FIELD - OFF SEASON

1.0 UNIT

This course is designed to provide skills development and conditioning for intercollegiate 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.

	13033	7:30a-9:00a	M Tu W Th	Mitzel M	G-113	06/13-08/04
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KINESIOLOGY PROFESSIONAL (KNPR)


KNPR 101, INTRODUCTION TO KINESIOLOGY

3.0 UNITS

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.

	12019			Sos B	ONLINE	06/13-08/07
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


KNPR 125, SPORT PSYCHOLOGY

3.0 UNITS

An academic and practical examination of the psychological aspects of sport concentrating on the scientifically proven methods of enhancing athletic performance through psychological training.

	12350			Luppani M	ONLINE	06/27-08/07
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


KNPR 170, SPORT ETHICS


3.0 UNITS


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.


	12347			Luppani M	ONLINE	06/13-08/07
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Low Cost or Free Textbooks

 **OER**

 **ZTC**


Honors Courses:

 **HONORS**

LAW (LAW)**LAW 100, LAW AND SOCIETY****3.0 UNITS**

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


 **11795** **Robinson K** **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


LAW 105, THE LEGAL ENVIRONMENT OF BUSINESS**3.0 UNITS**

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.


 **11788** **Smith K** **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.

 **11791** **Robinson K** **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.


 **11794** **Robinson K** **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.

LAW 121, LEGAL ETHICAL REASONING SPANISH/ENGLISH**3.0 UNITS**

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.

 **11797** **Sauber D** **ONLINE** **06/13-08/07**

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Online Degree Pathway course. Registration is open for all students.


LAW 299, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL**1.0 - 4.0 UNITS**


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. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253.


Open Entry / Open Exit

 **11799** **Smith K** **ONLINE** **06/13-08/07**


Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class. Online Degree Pathway course. Registration is open for all students.


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Low Cost or
Free Textbooks

 **OER**


 **ZTC**

Honors Courses:

 **HONORS**

MANAGEMENT (MGMT)**MGMT 120, PRINCIPLES OF MANAGEMENT****3.0 UNITS**

Principles, methods, and procedures essential to the successful management of human and financial resources. Planning, decision making, staffing, directing, motivating, leading, communicating, controlling, and the application of managerial skills.


 **11810****Carr B****ONLINE****06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is a \$20 material fee with no additional textbook cost.

MANUFACTURING TECHNOLOGY (MNFG)**MNFG 103, SOLIDWORKS BEGINNING SOLID MODELING****3.0 UNITS**


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.

 **13441****Buechler M****ONLINE****06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

MNFG 111, BASIC MECHANICAL BLUEPRINT READING**2.0 UNITS**


Reading and interpreting blueprints for manufacturing technologies. (Same as Engineering 111).

 **13445****Buechler M****ONLINE****06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

MNFG 114, GEOMETRIC DIMENSIONING AND TOLERANCING**3.0 UNITS**

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.


 **13442****Corley G****ONLINE****06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

MNFG 175, MASTERCAM - 3D GEOMETRY, 3D SURFACES**3.0 UNITS**

Continued instruction of computer assisted numerical control programming. Advanced concepts and methods of creating 3D geometry and 3D surfaces using Mastercam 3D software.

Prerequisite: Manufacturing Technology 173 with a minimum grade of C.


 **13444****Singh N****ONLINE****06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

MNFG 178, MASTERCAM LATHE**3.0 UNITS**

Computer assisted numerical control programming of machine tools using MASTERCAM lathe software. Emphasis placed on lathe toolpaths: facing, turning, grooving, boring, and threading.

Prerequisite: Manufacturing Technology 171 and Manufacturing Technology 173 with a minimum grade of C.


 **13443****Singh N****ONLINE****06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.






MATHEMATICS (MATH)**MATH 040, SUPPORT FOR COLLEGE ALGEBRA****0.5 UNIT**

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.

Corequisite: Concurrent enrollment in Mathematics 140.

 **11653****11:15a-12:40p****M Tu W Th****Lechuga J****H-105****06/13-07/21**


Section #11653 is linked with Math 140 #11654. Enrollment in both sections is mandatory. This class will meet on campus. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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MATH 082, PRE-STATISTICS AND PROBLEM SOLVING LIBERAL ARTS AND SOCIAL SCIENCE

4.0 UNITS

Pre-statistics including measures of center, measures of spread, graphical representations, basic probability, dimensional analysis, linear equations, formulas, percent equations, lines, basic linear regression and problem-solving designed specifically for liberal arts and social science majors.

 **11655** **Tolentino J** **ONLINE** **06/13-07/24**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

MATH 084, BEGINNING AND INTERMEDIATE ALGEBRA

6.0 UNITS

A combined course in algebra that includes systems of equations: inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, and problem solving.

 **11656** **Vu D** **ONLINE** **06/13-07/24**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


 **11657** **Oh S** **ONLINE** **06/13-07/24**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


MATH 105, MATHEMATICS FOR LIBERAL ARTS STUDENTS

4.0 UNITS

An overview of mathematics for the liberal arts student. Topics will include problem solving, financial management, probability, statistics, and selected other topics such as set of theory, geometry, logic, mathematical modeling, and the history of mathematics.

Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 105 according to the Santa Ana College Mathematics Department's placement standards.

 **11658** **Solheid C** **ONLINE** **06/13-07/24**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **11659** **Corp R** **ONLINE** **06/13-07/24**
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MATH 140, COLLEGE ALGEBRA


4.0 UNITS


Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series.


Prerequisite: Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 140 according to the Santa Ana College Math Department's placement standards.


 **11654** **8:00a-11:05a** **M Tu W Th** **Lechuga J** **H-105** **06/13-07/21**
Section #11654 is linked with Math 040 #11653. Enrollment in both sections is mandatory. This class will meet on campus. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **11847** **Bradley K** **ONLINE** **06/13-07/24**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **11848** **McKowan-Bourguignon L** **ONLINE** **06/13-07/24**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


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Low Cost or Free Textbooks

 **OER**


 **ZTC**

Honors Courses:


 **HONORS**


 **11849** **Nguyen K** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration open to all students. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATH 150, CALCULUS FOR BIOLOGICAL, MANAGEMENT AND SOCIAL SCIENCES **5.0 UNITS**
 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.
Prerequisite: Mathematics 140 or Mathematics 145 with a minimum grade of C; or placement into Math 150 according to the Santa Ana College Math Department's placement standards.



 **11846** **6:00p-9:50p** **M Tu W Th** **Lui R** **ZOOM** **06/13-07/21**
 Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

MATH 162, TRIGONOMETRY **4.0 UNITS**
 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.
Prerequisite: Mathematics 140 with a minimum grade of C or equivalent skills as measured by placement into Math 162 according to the Santa Ana College Math Department's placement standards.

 **11850** **8:00a-11:05a** **M Tu W Th** **Mishal A** **L-203** **06/13-07/21**
 Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **11851** **Hager B** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.



MATH 180, SINGLE VARIABLE CALCULUS I **4.0 UNITS**
 Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates, and areas.
Prerequisite: Mathematics 140 and Mathematics 162 or Mathematics 170 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 180 according to the Santa Ana College Mathematics Department's placement standards.

 **11852** **8:00a-11:05a** **M Tu W Th** **Smith S** **I-203** **06/13-07/21**
 **11853** **Everett M** **ONLINE** **06/13-07/24**


Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


11854 **Corp R** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


MATH 185, SINGLE VARIABLE CALCULUS II **4.0 UNITS**
 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.
Prerequisite: Mathematics 180 or Mathematics 180H with a minimum grade of C.

 **11855** **8:00a-11:05a** **M Tu W Th** **Ro K** **I-204** **06/13-07/21**
 **11856** **Ro K** **ONLINE** **06/13-07/24**


Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


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Low Cost or Free Textbooks

 **OER**


 **ZTC**

Honors Courses:

 **HONORS**


 **11857** **Sweeney G** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


MATH 204, MATHEMATICAL CONCEPTS FOR ELEMENTARY SCHOOL TEACHERS **4.0 UNITS**
 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.
Prerequisite: Math 083 or MATH 084 with a minimum grade of C or equivalent skills as measured by placement into Math 204 according to the Santa Ana College Math Department's placement standards.


 **11858** **8:00a-11:05a** **M Tu W Th** **Staff** **H-107** **06/13-07/21**
MATH 219, STATISTICS AND PROBABILITY **4.0 UNITS**

Beginning course in statistics. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes use of technology.


Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 219 according to the Santa Ana College Math Department's placement standards.


 **11861** **6:00p-9:05p** **M Tu W Th** **Mishal A** **ONLINE** **06/13-07/21**
 Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **11862** **Mishal A** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **11863** **Smith S** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **11864** **Lui R** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 **11865** **Romero M** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **11866** **Tolentino J** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

MATH 221, STATISTICS AND PROBABILITY WITH SUPPORT

4.5 UNITS

Beginning course in statistics. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes use of technology. Integrated review includes concepts from arithmetic, pre-algebra, elementary and intermediate algebra, and critical thinking skills from descriptive statistics that are needed to understand the basics of college-level statistics. Intended for students who did not directly place into Math 219 or for students that would like to supplement their learning with prerequisite skills needed for Statistics.

Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Math 221 according to the Santa Ana College Math Department's placement standard.


C 11902	8:00a-11:05a	M Tu W Th	Staff	L-207	06/13-07/21
	11:15a-12:40p	M Tu W Th	Staff	L-207	

MEDICAL ASSISTANT (MA)

MA 020, BLOODBORNE AND AIRBORNE PATHOGEN STANDARDS

0.5 UNIT

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.


VH 11077			Emley C	HYBRID	06/13-07/09
	8:00a-12:30p	F	Emley C	ZOOM	

Fully online instruction. Live streaming instruction via zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on campus. There is no additional textbook cost for this ZTC class.

MA 030, PHLEBOTOMY

1.0 UNIT

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.




H 11078			Emley C	HYBRID	06/13-07/09
	9:00a-3:00p	F Sa	Emley C	R-307	

On-campus hybrid instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to canvas. Canvas.sac.edu. Section 11078 meets for 6. 0 hours on 2 days (7/8/22 and 7/9/22) in R-307 from 9:00AM - 3:00PM. 1.5 hours to be arranged. There is no additional textbook cost for this ZTC class.

MA 051A, BEGINNING MEDICAL TERMINOLOGY

3.0 UNITS

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.


 11079			Emley C	ONLINE	06/13-07/09
	Fully online instruction. Students are required to log in to canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings.				
 11080			Gonzalez E	ONLINE	07/11-08/06
	Fully online instruction. Students are required to log in to canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings.				
 13740			Luke B	ONLINE	06/13-07/09
	Fully online instruction. Students are required to log in to canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings.				


MA 051B, ADVANCED MEDICAL TERMINOLOGY


3.0 UNITS

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 051A: Medical Assistant 051A with a minimum grade of C.*


 11081			Emley C	ONLINE	06/13-07/09
	Fully online instruction. Students are required to log in to canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings.				

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

MA 054, MEDICAL INSURANCE AND BILLING FORMS

3.0 UNITS

Instruction in the rules, regulations, and completion of medical insurance forms for Medicare, Medi-Cal, Tricare, MediMedi, State Disability, Worker's Compensation, and private commercial insurance carriers. Includes legal and ethical guidelines, and instruction in procedure coding using current procedural terminology and ICD-10-CM. *Prerequisite: Medical Assistant 051A with a minimum grade of C.*


 **13744** **Luke B** **ONLINE** **06/13-08/06**
Fully online instruction. Students are required to log in to canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings.

MA 056, COMPUTER APPLICATIONS FOR THE MEDICAL OFFICE

3.0 UNITS

An introduction to the computer with practical applications for a medical office/clinical setting, including building patient databases, patient scheduling, procedure codes, and diagnostic codes. Generate computerized billing records, posting to accounts, insurance claims forms, generating reports, electronic data interchange and electronic medical records.

Prerequisite: Medical Assistant 051A and Medical Assistant 053 with a minimum grade of C.

 **11082** **Seitz C** **ONLINE** **06/13-07/09**
5:00p-9:00p Tu Seitz C ZOOM


Virtual hybrid instruction. A combination of some live streaming instruction via zoom during the days and times indicated and online instruction. Students log in to canvas canvas.sac.edu. There will be no instruction on-campus. There is a live streaming session on 6/14/22 from 5:00PM - 9:00PM.


MUSIC (MUS)

MUS 101, MUSIC APPRECIATION

3.0 UNITS

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.


 **12973** **Jin J** **ONLINE** **06/13-07/10**
Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Online Degree Pathway. Registration open to all students. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **12975** **Lee S** **ONLINE** **07/11-08/07**
Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MUS 103, JAZZ IN AMERICA

3.0 UNITS

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.


 **12976** **Kehlenbach E** **ONLINE** **06/13-07/24**
Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

 **12977** **Hizon V** **ONLINE** **06/27-07/24**
Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

MUS 104, ROCK MUSIC HISTORY AND APPRECIATION

3.0 UNITS

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.


 **12978** **Marr J** **ONLINE** **07/11-08/07**
Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu


MUS 141, INSTRUMENTAL ENSEMBLES


1.0 UNIT

Study, rehearsal, and performance of music for small commercial instrumental groups. Music literature will differ each semester. Previous instrumental performance experience recommended.


 **12979** **5:30p-10:40p M W Hizon V N-114** **06/13-07/20**


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

MUS 145, JAZZ IMPROVISATION AND PERFORMANCE WORKSHOP

1.0 UNIT

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.

C 12980 6:30p-8:00p M W Hizon V N-114 06/13-07/20
 8:10p-9:40p M W Hizon V N-114

MUS 161, CLASS PIANO I

1.0 UNIT

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.

O 12984 Kim J ONLINE 06/13-08/07
 Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

NUTRITION AND FOOD (NUTR)

NUTR 110, FOOD SAFETY AND SANITATION

2.0 UNITS

Sanitation practices affecting individual operations. Prevention and control of foodborne illnesses through flow of food and HACCP management. Also includes study of worker safety.

O 12781 Heremans T ONLINE 07/11-08/07
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

NUTR 115, NUTRITION

3.0 UNITS

Scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on individual needs.

O 12782 Mathot S ONLINE 07/11-08/07
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.



Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 12783 Mathot S ONLINE 07/11-08/07
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.



Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

OCCUPATIONAL STUDIES (OS)

OS 403, LEADERSHIP FOR THE OCCUPATIONAL THERAPY ASSISTANT (OTA)

2.0 UNITS

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.

O 12536 Wang W ONLINE 06/13-07/24
 Online instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

OCCUPATIONAL THERAPY ASSISTANT (OTA)

OTA 202, LEVEL II FIELDWORK - PART I

6.0 UNITS

Supervised fieldwork experience in an occupational therapy practice setting that will provide the student appropriate opportunities to apply learned knowledge and skills.

Prerequisite: Occupational Therapy Assistant 103, 103L and 201 with a minimum grade of C.

C 12540 Tu Padilla J T-210 06/13-08/07
 This class meets on-campus. Section 12540 has 40 hours arranged per week.

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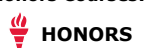
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Low Cost or Free Textbooks



Honors Courses:





PARALEGAL (PARA)

PARA 100, LAW AND SOCIETY

3.0 UNITS



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.

 **11796** **Robinson K** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.
 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

PARA 101, LAW OFFICE MANAGEMENT

2.0 UNITS


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.

 **11800** **Smith K** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.
 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Online Degree Pathway course. Registration is open for all students.

PARA 105, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL

1.0 - 4.0 UNITS

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. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253.


 **11801** **Smith K** **ONLINE** **06/13-08/07**
 Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class. Online Degree Pathway course. Registration is open for all students.

PARA 120, COMPUTERS IN THE LAW OFFICE

4.0 UNITS

Exploration of technology utilized in a legal service office environment. Study of legal focused software and applications.



 **11802** **Smith K** **ONLINE** **06/13-08/07**
6:00p-10:00p Th **Smith K** **ZOOM**


 Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


PARA 121, LEGAL ETHICAL REASONING


3.0 UNITS

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.


 **11798** **Sauber D** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.
 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Online Degree Pathway course. Registration is open for all students.


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

PARA 299, COOPERATIVE WORK EXPERIENCE EDUCATION

1.0 - 4.0 UNITS

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. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253.

11803

Smith K

ONLINE

06/13-08/07

Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class. Online Degree Pathway course. Registration is open for all students.

PHARMACY TECHNOLOGY (PHAR)

PHAR 072A, PHARMACY TECHNOLOGY EXTERNSHIP OUTPATIENT

0.5 - 2.0 UNITS

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 (320 hours) is required for the advanced certificate and Associate Degree.

Prerequisite: Pharmacy Technology 056 with a minimum grade of C, and background checks, health screenings, current TB clearance, and drugs test clearance.

Open Entry / Open Exit

12553

Dombroske L

06/13-08/07

Work Experience. No scheduled on-campus meeting times.

PHAR 072B, PHARMACY TECHNOLOGY EXTERNSHIP INPATIENT

0.5 - 1.5 UNITS

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.

Prerequisite: Pharmacy Technology 056 and Pharmacy Technology 057 with a minimum grade of C, and background checks, health screenings, current TB clearance, and drugs test clearance.

Open Entry / Open Exit

12563

Dombroske L

06/13-08/07

Work Experience. No scheduled on-campus meeting times.

PHAR 072C, PHARMACY TECHNOLOGY EXTERNSHIP STERILE PRODUCTS

0.5 - 1.5 UNITS

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.

Prerequisite: Pharmacy Technology 060 with a minimum grade of C, and background checks, health screenings, current TB clearance and drugs test clearance.

Open Entry / Open Exit

12569

Dombroske L

06/13-08/07

PHILOSOPHY (PHIL)

PHIL 106, INTRODUCTION TO PHILOSOPHY

3.0 UNITS

A survey of historical and contemporary ideas on how to live the good life.

11393

5:00p-10:10p

M W

Blake H

D-105

06/13-07/24

11392

Brocatto C

ONLINE

07/11-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

OL **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

H **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction

VH **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

CV **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

C **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

Low Cost or Free Textbooks

 **OER**

 **ZTC**



Honors Courses:


 **HONORS**


PHIL 108, ETHICS

3.0 UNITS

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.

	11394	6:00p-10:15p	Tu Th	Blake H	D-105	06/13-07/24
	11395			Fish Z	ONLINE	06/13-07/24

 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.



 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

PHIL 110, CRITICAL THINKING

4.0 UNITS

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.

Prerequisite: English 101 or English 101H with a minimum grade of C.

	11398	8:00a-1:05p	M Tu W Th	Fish Z	D-105	06/13-07/10
	11396			Brocatto C	ONLINE	07/11-08/07

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

	11397			Brocatto C	ONLINE	06/13-07/24
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 **PHIL 110H, HONORS CRITICAL THINKING**

4.0 UNITS

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.

Prerequisite: English 101/101H with a minimum grade of C and a high school or college GPA of 3.0 or above.

	11399	8:00a-1:05p	M Tu W Th	Fish Z	D-105	06/13-07/10
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PHIL 111, INTRODUCTORY LOGIC

4.0 UNITS

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.

	11400			Fish Z	ONLINE	06/13-07/24
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

PHOTOGRAPHY (PHOT)

PHOT 150, HISTORY OF PHOTOGRAPHY

3.0 UNITS


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.


	12710			Marquez P	ONLINE	07/11-08/07
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Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu


	12711			Marquez P	ONLINE	07/11-08/07
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Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

PHYSICS (PHYS)**PHYS 217, ENGINEERING PHYSICS I****4.0 UNITS**

Principles of classical mechanics including particle dynamics, forces, work, energy, momentum, rotational motion, equilibrium, harmonic motion, and gravity. This course is designed for students majoring in physical sciences and engineering.

Prerequisite: Mathematics 180/180H with a minimum grade of C.

C 11962	7:00a-9:15a	M Tu W Th	Staff	SC-312	06/13-07/21
	9:35a-11:50a	M Tu W Th	Staff	SC-312	

PHYS 237, ENGINEERING PHYSICS III**4.0 UNITS**

Introduces the basic principles of fluids, thermodynamics, sound, light, optics, and modern physics. This course is designed for students majoring in physical sciences and engineering.

Prerequisite: Physics 217 and Mathematics 185 with a minimum grade of C.

C 11963	1:10p-3:25p	M Tu W Th	Staff	SC-312	06/13-07/21
	3:45p-6:00p	M Tu W Th	Staff	SC-312	

POLITICAL SCIENCE (POLT)**POLT 101, AMERICAN GOVERNMENT AND POLITICS****3.0 UNITS**

Study of United States national government and California state and local governments. Satisfies graduation requirement for American institutions and state requirements for California state government.

C 11673	8:00a-11:10a	Tu Th	Becker C	D-101	06/14-08/04
11674	9:15a-11:25a	M Tu W Th	Murphy T	ZOOM	06/13-07/24

Fully Remote Live Instruction. Live streaming instruction via Zoom during the days and times indicated.

Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

11671 **11:30a-1:45p** **M Tu W Th** **Murphy T** **ZOOM** **06/13-07/24**

Fully Remote Live Instruction. Live streaming instruction via Zoom during the days and times indicated.

Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

C 11676	12:30p-3:40p	M Tu W Th	Petri M	D-101	07/11-08/04
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C 11670	6:00p-9:20p	M W	Becker C	D-101	06/13-08/03
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O 11672			Andrade P	ONLINE	06/13-07/24
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 11675			Andrade P	ONLINE	06/13-07/24
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

PSYCHOLOGY (PSYC)**PSYC 100, INTRODUCTION TO PSYCHOLOGY****3.0 UNITS**

An introduction to the major theories, methods, concepts, ethical issues, and findings in the major fields in psychology including (but not limited to): biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders and therapeutic approaches, and applied psychology.

C 11844	8:00a-11:35a	M Tu W Th	Pedroza J	D-434	06/13-07/10
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Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

C 11879	11:45a-2:00p	M Tu W Th	Pedroza J	D-434	06/13-07/21
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Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

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Low Cost or
Free Textbooks


 **OER**


 **ZTC**

Honors Courses:

 **HONORS**


 **11880** **Ortiz R** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **11881** **Castillo R** **ONLINE** **06/13-07/10**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **11882** **Yimenu B** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


PSYC 160, INTRODUCTION TO LIFESPAN PSYCHOLOGY 3.0 UNITS

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.

 **11884** **Ortiz R** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

PSYC 170, MULTICULTURAL PSYCHOLOGY 3.0 UNITS


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.

 **11885** **Ortiz R** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

PSYC 200, INTRODUCTION TO BIOLOGICAL PSYCHOLOGY 3.0 UNITS

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.

 **11886** **Nardi N** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


 **11887** **Nardi N** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


PSYC 210, STATISTICS FOR THE BEHAVIORAL SCIENCES 4.0 UNITS


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.

Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C; OR placement into Psychology 210 on the Mathematics Level 3 placement Exam and a course equivalent to Mathematics 083 or Mathematics 084.


 **11888** **Castillo R** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

11889 **Yimenu B** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

PSYC 219, INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY **3.0 UNITS**
 Emphasizes methods of study in psychology, experimental design, analysis of variables contributing to experimental results, and data treatment.
Prerequisite: Mathematics 219 or Psychology 210(may be taken concurrently) and Psychology 100 with a minimum grade of C.

11890 **Nardi N** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

PSYC 240, INTRODUCTION TO SOCIAL PSYCHOLOGY **3.0 UNITS**
 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.
Prerequisite: Psychology 100 or Sociology 100 with a minimum grade of C.

11891 **Ortiz R** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

PSYC 250, INTRODUCTION TO ABNORMAL PSYCHOLOGY **3.0 UNITS**
 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.
Prerequisite: Psychology 100/100H with a minimum grade of C.

11892 **Castillo R** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

READING (READ)

READ 101, INTRODUCTION TO ACADEMIC READING **3.0 UNITS**
 Instruction toward students' mastery of higher-level vocabulary, reading comprehension at the level of proficiency, critical evaluation of college-level text and improvement of reading rate.

11814 **Colunga M** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

READ 150, CRITICAL READING **3.0 UNITS**
 This course addresses the relationship between critical reading and critical thinking, including emphasis on the development of critical reading and thinking skills that facilitate the interpretation, analysis, criticism, and advocacy of ideas encountered in academic reading.
Recommended Preparation: Completion of or concurrent enrollment in English 101 or English 101H is recommended.


11818 **Gilreath G** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


SOCIOLOGY (SOC)

SOC 100, INTRODUCTION TO SOCIOLOGY **3.0 UNITS**
 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.

11429 **8:00a-11:10a** **Tu Th** **Torres S** **D-209** **06/13-08/07**
 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.




 **11431** **8:00a-1:10p** **M W** **Campbell A** **ZOOM** **06/13-07/24**
 Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **11430** **6:00p-9:35p** **M W** **Torres S** **D-209** **06/13-08/07**
 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 **11433** **O'Dell R** **ONLINE** **06/13-07/10**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


SOC 112, RELATIONSHIPS, MARRIAGES, AND FAMILY DYNAMICS **3.0 UNITS**
 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.


 **11432** **8:00a-12:15p** **Tu Th** **Campbell A** **ZOOM** **06/13-07/24**
 Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 **11434** **O'Dell R** **ONLINE** **06/13-08/07**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


SPANISH (SPAN)

SPAN 101, ELEMENTARY SPANISH I **5.0 UNITS**
 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.


 **11441** **10:05a-12:35p** **Tu** **Aguilar Hernandez G** **HYBRID** **06/13-07/24**
Aguilar Hernandez G ZOOM
 Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. This section has 5 mandatory Zoom meetings on Tuesdays, 6/14, 6/21, 6/28, 7/12, and 7/19 from 10:05 a.m. -12:35 p.m. Section 11441 has been specifically designed for SPANISH SPEAKERS. This class requires the text "Portales 2" with the electronic code for online lab materials.


 **11446** **Guerrero-Phlaum M** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required coursework. canvas.sac.edu. There will be no instructional meetings. This class requires the text "Puntos de partida" with the electronic code for online lab materials.


 **11447** **Galvan J** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required coursework. canvas.sac.edu. There will be no instructional meetings. This class requires the text "Puntos de partida" with the electronic code for online lab materials.

 **11448** **Galvan J** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required coursework. canvas.sac.edu. There will be no instructional meetings. This class requires the text "Puntos de partida" with the electronic code for online lab materials.


 **VH**


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**



SPAN 101H, HONORS ELEMENTARY SPANISH I

5.0 UNITS

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.

11444 Calderon A **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required coursework. canvas.sac.edu There will be no instructional meetings. This class requires the text "Puntos de partida" with the electronic code for online lab materials.

SPAN 102, ELEMENTARY SPANISH II

5.0 UNITS

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.

Prerequisite: Spanish 101 or Spanish 101H with a minimum grade of C or two years of high school Spanish 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.

11506 Guerrero-Phlaum M **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required coursework. canvas.sac.edu. There will be no instructional meetings. This class requires the text "Puntos de partida" with the electronic code for online lab materials.

VH 11515 **1:15p-3:45p** **W** **Quintero E** **HYBRID** **06/13-07/24**
Quintero E **ZOOM**

Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. This section has 5 mandatory Zoom meetings on Wednesdays, 6/15, 6/22, 6/29, 7/13, and 7/20 from 1:15-3:45 p.m. Section 11515 has been specifically designed for SPANISH SPEAKERS. This class requires the text "Portales 2" with the electronic code for online lab materials.



SPAN 102H, HONORS ELEMENTARY SPANISH II

5.0 UNITS

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.

Prerequisite: Spanish 101 or Spanish 101H with a minimum grade of C or two years of high school Spanish with a passing grade, and a high school or college GPA of 3.0 or above. All Cal State and UC universities have the same prerequisites for Spanish 102H.

VH 11516 **1:15p-3:45p** **W** **Quintero E** **HYBRID** **06/13-07/24**
Quintero E **ZOOM**

Virtual Hybrid Instruction. A combination of some live streaming instruction via Zoom during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. This section has 5 mandatory Zoom meetings on Wednesdays, 6/15, 6/22, 6/29, 7/13, and 7/20 from 1:15-3:45 p.m. Section 11516 has been specifically designed for SPANISH SPEAKERS. This class requires the text "Portales 2" with the electronic code for online lab materials.

STUDY SKILLS (STDY)

STDY 109, COLLEGE LEARNING SKILLS

3.0 UNITS

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.

14121 **Staff** **ONLINE** **06/13-07/24**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

OL **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom

H **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction

VH **VIRTUAL HYBRID:** Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

CV **ON CAMPUS W/VIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

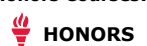
C **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

Low Cost or Free Textbooks



ZTC

Honors Courses:



THEATRE ARTS (THEA)**THEA 100, INTRODUCTION TO THEATRE****3.0 UNITS**

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.

O 12724**Cannon C****ONLINE****06/13-07/10**

Fully Online Instruction. No on-campus meeting times. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class

WELDING (WELD)**WELD 101, INTRODUCTION TO WELDING****3.0 UNITS**

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).

H 12686**Diamond Z****HYBRID****06/13-08/07****8:00a-12:15p****Tu W Th****Diamond Z****K-115**

On-Campus Hybrid Instruction. A combination of on-campus Lab meetings during the days and times indicated and online instruction. Students log in to Canvas canvas.sac.edu

WELD 111, WELDING LAB SKILLS**2.0 UNITS**

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.

Prerequisite: Welding 240 with a minimum grade of C.

C 12687**5:30p-10:05p****M Tu W****Kirby B****K-115****06/13-08/07**

This class meets on-campus.

WELD 177, WELDING METALLURGY**3.0 UNITS**

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.

O 12688**Gonzales G****ONLINE****06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

WELD 244, WELDING CERTIFICATION D1.1 CODE CLINIC**2.0 UNITS**

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.

O 12689**Gonzales G****ONLINE****06/13-08/07**

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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C ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

**Low Cost or
Free Textbooks**

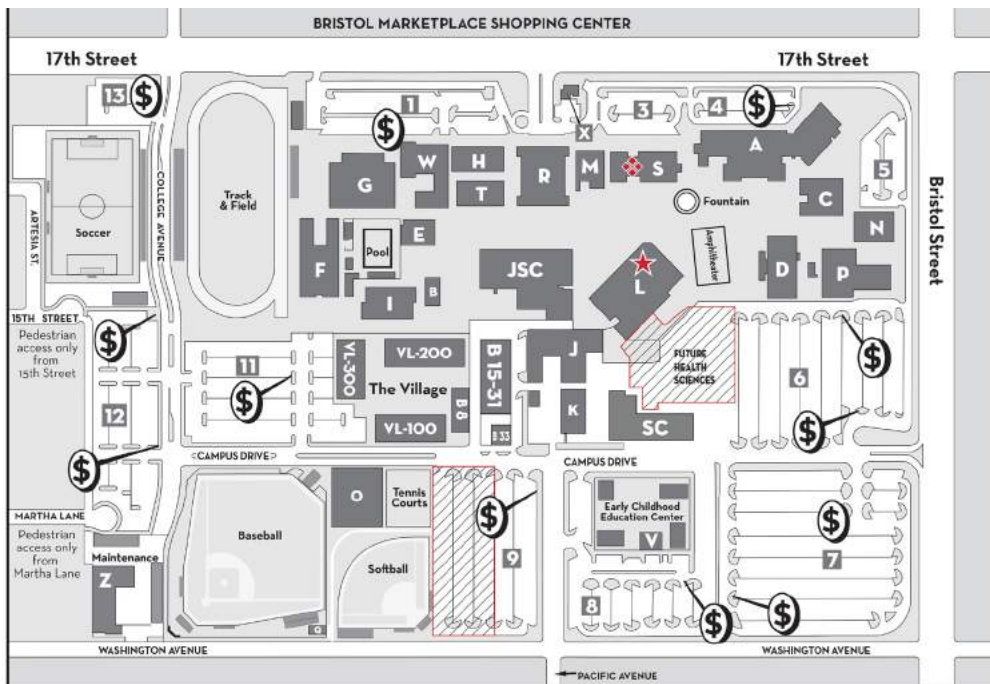
 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

CAMPUS MAP



PARKING

(\$ Daily Permit Dispenser (\$2.00 for 8 hours))

- 1 STAFF
- 2 SECURITY
- 3 VISITOR
- 4 - 5 STAFF
- 6 - 13 STUDENT (except as posted)

CAUTION!
 Parking in Bristol Marketplace, across the street from Santa Ana College, is not allowed. Violations will result in tow-aways. RSCCD requires parking permits for student and staff lots at Santa Ana College and Santiago Canyon College. Semester Parking Permits may be purchased at time of registration for \$30.00 in the Student Business Office in the Johnson Student Center (JSC-202) at Santa Ana College, as well as in the Cashier's Office at Santiago Canyon College. The purchase of your permit funds parking services and vehicle security when parked on campus.

 Denotes "Closed for Construction"
 ★ Student Help Desk - Inside Nealley Library
 ❖ Student Resource Desk: S-Building Lobby

SAC FACILITIES AND LOCATIONS

A Cesar Chavez Building		EOPS/CARE/CalWORKs	JSC-212	Q Sports Concession	
Academic Computing Center	A-106	Financial Aid	JSC-201	R Russell Hall	
Distance Education	A-101	Grab-N-Go	JSC-116	S Administration Building – First Floor:	
B Middle College High School		Guardian Scholars	JSC-215	Admissions / Records	S-101
SAUSD Administration Office	B-10	Health & Wellness Center	JSC-110	Counseling	S-112
Classrooms (The Village)	VL-300	International Student Program	JSC-208	Graduation Office	S-104
B 8 Adult Education Center Office		Lactation Room	JSC-110	Promise Program	S-110
B 15 - 31 Adult Education Classrooms		Reprographics	JSC-120	PUENTE Program	S-110
B 33 Adult Education Classrooms		SSSP (TRiO) Upward Bound	JSC-209	University Transfer Center & Center for Teacher Education	S-110
C Fine Arts / Art Gallery		Student Business Office	JSC-202	Administration Building – 2nd Floor:	
D Dunlap Hall		Student Life	JSC-102	Community Services Program	S-203
Honors Program	D-307	Student Placement	JSC-203	Foundation	S-201
Learning Center	D-428	The Spot	JSC-101	Scholarship Program	S-201
E Fitness Center		K Welding / Auto Diesel		Student Outreach	S-213
F Locker Rooms		L Nealley Library - 1st Floor		SC Science Center	
G Cook Gym		L Building – 2nd Floor:		T Technical Arts	
H Hammond Hall		Assessment Center	L-223	V Early Childhood Education Center	
I Classroom Building		Career Center	L-222	Classroom	V-103
J Auto Shop		Math Study Center	L-204	VL The Village	
JSC Johnson Student Center		MESA Program	L-206	Middle College High School Classrooms	V-300
Associated Student Government (ASG)	JSC-103	M Planetarium		W Kinesiology	
Bookstore (in Campus Store)	JSC-117	Veterans Resource Center	M-120	X Security / Safety	
Cafe -Coffee/Juice Bar	JSC-118	N Music Building		Z Maintenance	
Campus Store/Quick Stop	JSC-117	O Central Plant			
Disabled Students Program (DSPS)	JSC-108	P Phillips Hall Theatre			



ONLINE LEARNING AT SAC

In your space ... in your time

- Distance Education courses give you an opportunity to complete most of your work outside the traditional classroom.
- Earn your degree
- An education that works around your schedule
- An alternate to attending regular, on-campus classes
- Equivalent to standard classes that meet general education and university transfer requirements
- Convenient and flexible

With over 400 online courses, Santa Ana College will help you to accelerate your education and career goals. Distance Education consultants are available if you would like some helpful advice on finding the right path for you.

sac.edu/online

Contact us @ (714) 564-6725 or sac_disted@sac.edu

Distance Education Office - Cesar Chavez Building, Room A-101



SANTA ANA COLLEGE

1530 West 17th Street • Santa Ana, CA 92706 • sac.edu

CENTENNIAL EDUCATION CENTER

2900 West Edinger Avenue
Santa Ana, CA 92704
sac.edu/cec

DIGITAL MEDIA CENTER

1300 South Bristol Street
Santa Ana, CA 92708
ranchodmc.com

ORANGE COUNTY SHERIFF'S REGIONAL TRAINING ACADEMY

15991 Armstrong Avenue
Tustin, CA 92782

JOINT POWERS FIRE TRAINING CENTER

18301 Gothard
Huntington Beach, CA 92648

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