PRESIDENT’S MESSAGE

On behalf of faculty, staff and administrators, I would like to extend to you a warm welcome. We are pleased that you have chosen to pursue your educational goals at Santa Ana College. We continue to offer classes in career advancement, certificates, associate degrees, university transfer or a bachelor of science degree in Occupational Studies.

Pursuing education will transform your life and the legacy of your family! While you travel on your educational pathway, we are here to guide and help you every step of the way. We understand that you may face personal challenges that may hinder your progress, and we are here to help you face and overcome these challenges. Please know that our faculty, staff and administrators look forward to celebrating every milestone along your educational path. At Santa Ana College, you will find excellent instruction and a variety of student support services to help you meet your educational goals. Thank you for choosing Santa Ana College!

Marilyn Flores, Ph.D.
Interim President
Santa Ana College

SAC is a college where students can achieve their educational goals and a defined course of study free from racism and sexism, homophobia and any other assumptions and prejudices.

(SAC Student Success & Equity Committee Vision Statement)

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11.19.2021
SANTA ANA COLLEGE

COLLEGE CREDIT CLASS SCHEDULE – SPRING 2022
February 7 - June 5, 2022

ADMISSIONS / REGISTRATION HOURS

SAC Admissions Office now has more ways to assist students!

• Admissions Live Chat – sac.craniumcafe.com/group/admissions-/lobby
• In-person appointments* - Mon, Tues, Fri: 8:00am-1:00pm – Wed, Thurs: 2:00pm-7:00pm
  *Please note, masks will be required and social distancing measures will be implemented at all times.
• Email us at Adm_Records@sac.edu – submit documents or ask questions
  sac.edu/StudentServices/AdmissionsRecords - HOME PAGE

ONLINE HOURS ONLY: Mon – Thurs: 8:00am to 6:45pm • Friday: 8:00m to 1:00pm

REGISTRATION CALENDAR

Nov. 17, 2021 – Feb. 6, 2022 Online registration for CONTINUING students
Dec. 7, 2021 – Feb. 6, 2022 New and returning students view your registration appointment online.
Dec. 14, 2021 – Feb. 6, 2022 Loss of Priority Registration students
Jan. 10, 2022 – Feb. 6, 2022 Special Admit (concurrent K–12) students register online
Feb. 7, 2022 – Apr. 10, 2022 Registration for late-starting classes continues online

INSTRUCTIONAL CALENDAR

February 7, 2022 Instruction Begins for Spring Classes (full semester) and First GR8 Weeks
April 11, 2022 Second GR8 Weeks
May 30, 2022 – June 5, 2022 Final Exams Week

CLASS ADD OR DROP DEADLINES

February 20, 2022 Last date to add a full-semester class with an Add Authorization
February 20, 2022 Last date to drop a full-semester class and not owe fees. Not full-semester courses = 10% of the course – Please refer to the section information via WebAdvisor for a specific section date
February 20, 2022 Last date to drop a full-semester class and NOT receive a “W” grade. Not full-semester courses = 10% of the course – Please refer to the section information via WebAdvisor for a specific section date
May 8, 2022 Last date to drop a full-semester class with a "W" grade. Not full-semester courses = 75% of the course – Please refer to the section information via WebAdvisor for a specific section date

ACADEMIC FORM DEADLINES

February 10, 2022 Last date for transfer degrees (AA-T, AS-T)
February 25, 2022 Last date to file pass/no pass for first GR8 Weeks classes
March 11, 2022 Last date to file pass/no pass for full-semester classes
March 11, 2022 Last date to petition for CSU and IGETC
March 11, 2022 Last date to petition for June certificates
March 11, 2022 Last date to petition for June graduation
April 29, 2022 Last date to file pass/no pass for second GR8 Weeks classes

HOLIDAY CALENDAR

If holiday is a Monday, weekend classes DO meet. If holiday is a Friday, weekend classes DO NOT meet.

Feb. 18, 2022 – Feb. 21, 2022 President’s Day (Friday – Monday)
March 31, 2022 Cesar Chavez Day (Tuesday)
April 4, 2022 – April 10, 2022 Spring Break (Monday – Sunday)
May 30, 2022 Memorial Day (Monday)

FINAL EXAMINATION SCHEDULE

Final exams will be given during the last week of the semester during regular scheduled class hours. The last day of instruction is Sunday, June 5, 2022. Final exams may be given during one class session or a combination of class sessions, as designated by the instructor; check with individual instructors for exact date.

Semester grades are due in the Admissions Office ON THURSDAY, June 9, 2022.
# WE'RE HERE TO HELP

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<tr>
<td>Academic Computing Center</td>
<td>Jazmin Quijada</td>
<td>Cesar Chavez Bldg, A-106</td>
<td>714-564-6731</td>
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<td>Add or Drop Class</td>
<td>Registration</td>
<td>Administration Bldg, S-101</td>
<td>714-564-6017</td>
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<td>Admissions</td>
<td>Mark Liang</td>
<td>Administration Bldg, S-101</td>
<td>714-564-6017</td>
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<tr>
<td>American Sign Language</td>
<td>Heather Arazi</td>
<td>Dunlap Hall, D-422</td>
<td>(TDD) 714-988-2205</td>
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<td>714-564-6283</td>
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<td>Articulation High Schools/ROPs</td>
<td>Raquel Raquena-Ramirez</td>
<td>Russell Hall, R-105</td>
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<td>Articulation Universities</td>
<td>Paula Canzona</td>
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<td>Mayra Perez</td>
<td>Cesar Chavez Bldg - A107-16</td>
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<td>CalWORKs</td>
<td>Ann Lockhart</td>
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<td>Campus Store</td>
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<td>Johnson Student Center, JSC-117</td>
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<td>Marisela Godinez/</td>
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<td>Sandy Morris-Pfyl</td>
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<td>Centennial Education Center (CEC)</td>
<td>2900 W. Edinger, Santa Ana, CA 92704</td>
<td>714-241-5700</td>
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<td>Center for Teacher Education</td>
<td>Steve Bautista</td>
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<td>Janneth Linnell</td>
<td>RSCCD District Office</td>
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<td>Santa Ana College</td>
<td>Maria Castellon/</td>
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<td>Zeferina Gonzalez</td>
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<td>Susan Wahl</td>
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<tr>
<td>Crime Prevention</td>
<td>Ralph Webb</td>
<td>RSCCD District Office</td>
<td>714-480-7330</td>
</tr>
<tr>
<td>EOPS/CARE</td>
<td>Vacant</td>
<td>Johnson Student Center, JSC-212</td>
<td>714-564-6232</td>
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<tr>
<td>Facility Reservations</td>
<td>Vacant</td>
<td>Administration Bldg, S-209-1</td>
<td>714-564-6227</td>
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<tr>
<td>Financial Aid</td>
<td>Robert Manson</td>
<td>Johnson Student Center, JSC-201</td>
<td>714-564-6242</td>
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<td>Fire Technology</td>
<td>Vacant</td>
<td>Cesar Chavez Bldg, A-113</td>
<td>714-564-6845</td>
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<tr>
<td>Foundation</td>
<td>Christina Romero</td>
<td>Administration Bldg, S-201</td>
<td>714-564-6091</td>
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<tr>
<td>Freshman Success</td>
<td>Steve Bautista, Rachel Sosta</td>
<td>Administration Bldg, S-110</td>
<td>714-564-6165</td>
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<td>Graduation</td>
<td>Graduation Staff</td>
<td>Administration Bldg, S-104</td>
<td>714-564-6052</td>
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<td>Hazardous Materials</td>
<td>Ralph Webb</td>
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<tr>
<td>Health and Wellness Center</td>
<td>Rebecca Barnard</td>
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<td>714-564-6216</td>
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<td>Honors Transfer Program</td>
<td>Kathy Patterson</td>
<td>Dunlap Hall, D-428</td>
<td>714-564-6528</td>
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<td>Human Resources</td>
<td>Tracie Greene</td>
<td>RSCCD District Office</td>
<td>714-480-7484</td>
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<td>I-20 Form</td>
<td>Dao Nguyen</td>
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<td>714-564-6047</td>
</tr>
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<td>Information, General</td>
<td>Admissions/Records Staff</td>
<td>Administration Bldg, S-101</td>
<td>714-564-6000</td>
</tr>
<tr>
<td>International Students</td>
<td>Mark Liang</td>
<td>Johnson Student Center, JSC-208</td>
<td>714-564-6047</td>
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<tr>
<td>International Trade Assistance</td>
<td>Ruth Cossio-Muniz</td>
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<tr>
<td>Learning Center</td>
<td>Kathy Walczak</td>
<td>Dunlap Hall, D-307</td>
<td>714-564-6569</td>
</tr>
<tr>
<td>Learning Skills Lab (Centennial Education Center)</td>
<td>CEC, D-101</td>
<td>Nealley Library</td>
<td>714-241-5768</td>
</tr>
<tr>
<td>Library</td>
<td>Library Staff</td>
<td></td>
<td>714-564-6700</td>
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<td>Lost &amp; Found</td>
<td>District Safety Staff</td>
<td>Security/Safety Bldg, X-100</td>
<td>714-564-6330</td>
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<tr>
<td>Math Center</td>
<td>Candice Lehman</td>
<td>Library Bldg L-204</td>
<td>714-564-5405</td>
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<td>MESA (Math, Engineering, &amp; Science Achievement)</td>
<td>MESA Staff</td>
<td>Library Bldg, L-206</td>
<td>714-564-6373</td>
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<tr>
<td>Nursing</td>
<td>Mary Steckler</td>
<td>Russell Hall, R-213</td>
<td>714-564-6825</td>
</tr>
<tr>
<td>Office of School &amp; Community</td>
<td>Alicia Kruizenga</td>
<td>Administration Bldg, S-214</td>
<td>714-564-6970</td>
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<tr>
<td>Partnerships</td>
<td>Cherylee Kushida</td>
<td>Cesar Chavez Bldg, A-101</td>
<td>714-564-6725</td>
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<tr>
<td>Online Classes/Distance Education</td>
<td>Daniel Marquez</td>
<td>Administration Bldg, S-213</td>
<td>714-564-6141</td>
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<tr>
<td>Outreach</td>
<td>Scott Baker</td>
<td>Security/Safety Bldg, X-100</td>
<td>714-564-6330</td>
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<td>Parking</td>
<td>Jennie Adams</td>
<td>Johnson Student Center, JSC-202</td>
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<td>Photo ID</td>
<td>Chamberly Chamberlain, Teresa Mercado-Cota</td>
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<td>714-564-6519</td>
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<tr>
<td>Department/Program</td>
<td>Name</td>
<td>Location</td>
<td>Phone</td>
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<tr>
<td>Psychological Services</td>
<td>Jill Kapil</td>
<td>Johnson Student Center, JSC-110</td>
<td>714-564-6216</td>
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<tr>
<td>Public Affairs &amp; Publications (RSCCD)</td>
<td>Ruth Cossio-Muniz</td>
<td>RSCCD District Office</td>
<td>714-480-7500</td>
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<tr>
<td>Public Information Office</td>
<td>Daillah Davaloz (Interim)</td>
<td>Administration Bldg, S-204</td>
<td>714-564-5527</td>
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<td>Puente Program</td>
<td>Donato Martinez</td>
<td>Dunlap Hall, D-423</td>
<td>714-564-6457</td>
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<td>RSCCD Foundation</td>
<td>Enrique Perez</td>
<td>RSCCD District Office, Room 350</td>
<td>714-480-7460</td>
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<td>Registration</td>
<td>Registration Staff</td>
<td>Administration Bldg, S-101</td>
<td>714-564-6017</td>
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<tr>
<td>College Research</td>
<td>Janice Love</td>
<td>Administration Bldg, S 209</td>
<td>714-564-6644</td>
</tr>
<tr>
<td>Residency</td>
<td>Admissions/Records Staff</td>
<td>Administration Bldg, S-101</td>
<td>714-564-6017</td>
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<tr>
<td>Resource Development Department</td>
<td>Sarah Santoyo</td>
<td>RSCCD District Office</td>
<td>714-480-7463</td>
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<td>SAC Promise</td>
<td>Leo Pastrana</td>
<td>Administration Bldg, S-107</td>
<td>714-564-6067</td>
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<tr>
<td>Scholarships</td>
<td>Nandini Puri</td>
<td>Administration Bldg, S-201</td>
<td>714-564-6995</td>
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<td>Security</td>
<td>Scott Baker</td>
<td>Security/Safety Bldg, X-100</td>
<td>714-564-6330</td>
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<tr>
<td>Service Learning Program</td>
<td>Sandy Morris-Pfyl</td>
<td>Library Bldg, L-222</td>
<td>714-564-6254</td>
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<td>Small Business Development Center, Orange County</td>
<td>Ruth Cossio-Muniz</td>
<td>Digital Media Center</td>
<td>714-564-5200</td>
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<tr>
<td>Spanish Language</td>
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<tr>
<td>Telephone Assistance</td>
<td>Martha Guerrero-Phlaum</td>
<td>Dunlap Hall D-432</td>
<td>714-564-6561</td>
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<tr>
<td>Speech Language Pathology</td>
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<td>Assistant Program</td>
<td>Monica Zarske</td>
<td>Hammond Hall, H-206</td>
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<td>Student Affairs</td>
<td>Alica Krizenga</td>
<td>Administration Bldg, S-214-1</td>
<td>714-564-6970</td>
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<td>Student Business Office</td>
<td>Jennie Adams</td>
<td>Johnson Student Center, JSC-202</td>
<td>714-564-6430</td>
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<tr>
<td>(Office of) Student Life</td>
<td>Jennifer DeLa Rosa</td>
<td>Johnson Student Center, JSC-102</td>
<td>714-564-6211</td>
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<tr>
<td>Student Entrepreneurship Program</td>
<td>Ruth Cossio-Muniz</td>
<td>Digital Media Center</td>
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<tr>
<td>Student Government</td>
<td>John Nguyen</td>
<td>Johnson Student Center, JSC-103</td>
<td>714-564-6214</td>
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<td>Student Leadership Institute</td>
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<td>Johnson Student Center, JSC-103</td>
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<td>Student Support Services</td>
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<td>Program (TRIO)</td>
<td>Vacant</td>
<td>Johnson Student Center, JSC-209</td>
<td>714-564-6843</td>
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<tr>
<td>Student Transition Program</td>
<td>Julia Vercelli</td>
<td>Centennial Education Center</td>
<td>714-241-5720</td>
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<tr>
<td>Academic Talent Search (TRIO)</td>
<td>Rosio Becerra</td>
<td>Johnson Student Center, JSC-209</td>
<td>714-564-6182</td>
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<td>Testing Information</td>
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<td>Transcripts</td>
<td>Admissions/Records Staff</td>
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<td>Transfer Center</td>
<td>Leo Pastrana</td>
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<td>714-564-6165</td>
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<tr>
<td>U-Link</td>
<td>Rochelle Zook</td>
<td>Administration Bldg, S-133</td>
<td>714-564-6416</td>
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<tr>
<td>Upward Bound (TRIO)</td>
<td>Vacant</td>
<td>Russell Hall, R-115</td>
<td>714-564-6843</td>
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<tr>
<td>Veterans Resource Center</td>
<td>Brenda Estrada</td>
<td>Planetarium, M-120</td>
<td>714-564-6050</td>
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<tr>
<td>Veterans Student Support Services</td>
<td>Brenda Estrada</td>
<td>Planetarium, M-120</td>
<td>714-564-6050</td>
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<tr>
<td>Veterans Upward Bound (VUB)</td>
<td>Brenda Estrada</td>
<td>Planetarium, M-120</td>
<td>714-564-6288</td>
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</table>

**VISIT OUR WEBSITES:**

SANTA ANA COLLEGE [sac.edu] • SANTIAGO CANYON COLLEGE [sccollege.edu]

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT [rsccd.edu]

If You Can't Find What You Need In The List Above, Please Call 714-564-6017 (SAC) Or 714-628-4900 (SCC).

**ALTERNATE FORMATS**

Upon request, Santa Ana College materials will be available in alternate formats.

Please contact DSPS at 714-564-6264.

**CLASS SCHEDULE ALSO AVAILABLE ONLINE AT sac.edu**

Prepared each semester, the class schedule includes general information, courses offered, hours, rooms, and instructor names. Schedules are mailed to all district high schools and are available at & SCC Bookstores. Because the schedule is prepared prior to the start of classes, the information published is subject to change. Use the online course availability for the most current information.
Step 1: APPLICATION

ADMISSIONS

CONTINUING STUDENTS
Continuing students who actively attended Spring 2021 or Fall 2021 may complete registration online via WebAdvisor/SelfService.

NEW STUDENTS AND FORMER (RETURNING) STUDENTS
• Students enrolling for the first time or who are returning and did not attend since Spring 2021 must complete an admission application by applying online at sac.edu

WHO MAY ATTEND
• High school graduates or persons at least 18 years of age who may profit from instruction.
• High school students in Special Admit Program. The Special Admit Program is designed for high school students. A significant portion of the Santa Ana College curriculum is available to supplement programs of high school students recommended by their principals. Contact the Admissions Office for details.
  Note: Special Admit students must bring the Special Admit form signed by the high school principal, parent/guardian and the appropriate Santa Ana College Division Dean. In addition, a Consent to Treat a Minor form is required. Due to a new state law, Special Admit students who wish to take classes at a community college must be assigned low enrollment priority so as not to displace regularly admitted students.
• International students
  International students are eligible for admission under a student visa (F-1). Apply through the International Student Office, Santa Ana College, for forms and instructions. Deadlines are June 1 for the Fall semester and December 1 for Spring.

Step 2: REGISTRATION

REGISTRATION CONTACT INFORMATION
Call 714-564-6017 if you have questions.
Santa Ana College
Admissions Office, Room S-101
Monday–Thursday, 8:00am–6:45pm • Friday, 8:00am–4:30pm (hours are subject to change)

REGISTRATION PRIORITIES
• Active Military/Veterans/Foster Youth/CalWorks, EOPS, and DSPS – priority by law
• Athletes
• Continuing

CONTINUING STUDENT
You are a continuing student if you were enrolled in college credit classes at during the Spring 2021 or Fall 2021 semester.

EARLY REGISTRATION FOR CONTINUING STUDENTS:
• Online registration (see page 7) is available for continuing students. Priority is based on units completed at the end of Spring Intersession 2021 or Spring 2021 or Summer 2021 at SAC & SCC only.
• Register via WebAdvisor/SelfService, sac.edu
Continuing students who do not meet the early registration deadline may register online until the Sunday before the semester begins.

TRANSFER STUDENT
Information for new students from other colleges
If you have attended another college, especially another community college, you must bring any official copies of your transcripts.
Drop by to see a counselor at the Santa Ana College Counseling Center in S-112.
NEW STUDENT
If you are a new student and have never enrolled in college credit classes at or SCC. Submit an application online, sac.edu.

Review Your Placement English and Math placement is determined using information on your application. You can find your Course Placement Recommendation Scores for English, reading and math on WebAdvisor. If you need help understanding your placement information, please email the Assessment Center at assessment_center@sac.edu, or call (714) 564-6148.

Attend a Registration Orientation Attend a Registration Orientation (2-hour small group session). Go to page 23 for additional information on the Registration Orientation. Visit sac.edu/orientation to sign up for a date and time that works for you.

NEW STUDENT REGISTRATION
After you complete an admissions application, you will receive a web advisor log in via email in approximately 3 days. Once you receive your Web Advisor log in, you can view your registration date and locate your student ID number by going to user account and looking under “What’s My Student Number.”

REGISTRATION BY APPOINTMENT
Former Students and Other New Students
You may apply and enroll online – sac.edu.
Students can view their registration date online via WebAdvisor and Self-Service.

LATE REGISTRATION & ADD PERIOD
February 7 – February 20, 2022
Instructor signature or Add Authorizations are required on all adds after the semester begins. Use the computer to drop classes through the established drop date (75% of the way through a class). To avoid fees, drop by February 20, 2022 for full-term classes, and 10% of the class for other non-full-term classes. Please refer to section information via WebAdvisor.

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 Add Authorization to add the course (Log in to WebAdvisor often to check your status on the Wait List).

PAY FEES IMMEDIATELY
Fees must be paid within 3 calendar days (weekends included) 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, American Express, and Discover are accepted,
- Mail check or money order to:
  Santa Ana College
  Registration, Cashier’s Office,
  1530 W. 17th Street, Santa Ana, CA 92706
  Santiago Canyon
  Registration, SCC Cashier’s Office,
  8045 E. Chapman Avenue, Orange, CA 92869
- Make checks payable to “RSCCD” and write your Student ID number on the check.
- Do not send cash!

Enrollment fee waivers are available through the FAFSA and Dream Act. Links to the applications can be found on the financial aid page sac.edu/finaid

It is the students responsibility to drop all classes. Once the semester begins, you will not be dropped for non-payment or be dropped automatically for non-attendance. If you do not attend the class after the semester begins you will owe the fees unless you drop the course(s) prior to the refund deadline. For late starting classes, please check WebAdvisor for the drop and refund deadlines.
STUDENT RESPONSIBILITY TO DROP CLASSES AFTER SEMESTER BEGINS
You will not be automatically dropped from your classes after the semester begins. You must drop classes online.

To avoid fee charges, students who have enrolled and paid for classes and decide not to attend, must drop full-semester classes before Sunday, February 20, 2022. Classes dropped after that date will appear on the student record with a "W" grade. After the second week, you will incur a financial obligation to the college and an administrative hold will be placed on your student record until fees are paid. (Any unpaid fees as a result of a dishonored check or other outstanding debt will be handled in the same manner.)

- You must drop classes online.
- Drop classes via WebAdvisor by Sunday, February 20, 2022 to avoid Academic Hold and "W" grade.
- Even if you do not attend the class, after the semester begins, you owe the fees unless you drop the class before Sunday, February 20, 2022.

ONLINE REGISTRATION & RECORDS
Visit the college website at sac.edu for:

- Online registration
- Online counseling
- Open classes (course availability)
- View your class schedule
- Grades from previous semester
- Admissions and Registration information
- Print or view unofficial transcripts
- Request official transcripts online
- Account summary
- Change your password or update your email address
- Add or drop classes
- Pay fees online immediately

ONLINE REGISTRATION is available for continuing students enrolled at during Spring 2021 or Fall 2021. The priority system for online registration is based on units earned at SAC/SCC only. Follow instructions and steps on this page to register online, and check page 5 for other helpful and important registration information.

WEBADVISOR REGISTRATION STEP-BY-STEP

1. Go to sac.edu and click on WebAdvisor
2. From the Menu, click on the Log In tab at the top
3. Log in with your User ID and password
4. Click on Students
5. Click on the Register for Classes link
   (also click on address change to update your email account if necessary)
6. From the Register for Sections page:
   a. Select a Term
   b. Select a Location
   c. Choose your subjects
   d. Click on the Submit button
7. From the Section Selection Results page:
   a. Select all of the sections that you are interested in my checking the boxes on the Select column
   b. Click on the Submit button
8. Your selected sections are now shown on the Registration Worksheet page:
   a. In the Action column, choose Register for the sections that you wish to enroll in
9. Click on the Submit button. After you click Submit, you will be officially registered.
10. Pay fees within 3 calendar days to avoid being dropped from your courses.
11. You can view your results on the Registration Results page.
12. Log out

ONLINE COUNSELING
sac.edu/online_counseling
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<th>FEE DESCRIPTION</th>
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<td>ENROLLMENT FEE</td>
<td>$46 X</td>
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<tr>
<td>The enrollment fee is $46.00 per unit, with no maximum. Payment is required of all students upon registering for classes. This fee is subject to change.</td>
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<td>BACCALAUREATE TUITION</td>
<td>$84 X</td>
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<td>The upper division coursework fee: $84.00 per unit in addition to the enrollment fee ($46.00 per unit) for 300 and 400 level courses. (Not eligible for California College Promise Grant (CCPG) Fee Waiver.) Payment is required of all students upon registration for classes. These fees are subject to change.</td>
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<td>NON-RESIDENT TUITION</td>
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<td>Non-resident tuition: $317.00 per unit in addition to the per enrollment fee for out of state residents and a foreign country residents. Refer residency questions to the Admissions office.</td>
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<td>HEALTH FEE</td>
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<td>A health fee of $19.00 per semester ($16.00 for summer and intersession) is charged to all students whether or not they choose to use health services. Health Fee Exemptions (Education Code 76355) 1. Any student who depends exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization, provided that the student presents documentary evidence of an affiliation with such a bona fide religious sect, denomination, or organization. 2. Any student enrolled in an approved Apprenticeship Program. A request for an exemption may be filed at the Admissions &amp; Records Office.</td>
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<tr>
<td>TRANSPORTATION FEE</td>
<td>Full-time $6.75</td>
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<tr>
<td>A transportation fee of $6.75 for full time students (12+ units) and $5.75 for part time students (.5 – 11 units) is charged to all students whether or not they choose to use the transportation discount service (OCTA ride program).</td>
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<td>REPRESENTATION FEE</td>
<td>$2.00</td>
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<td>$2.00 (Fee is optional.)</td>
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<tr>
<td>MATERIALS FEE</td>
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<td>A materials fee may be required for a course. Check class listings in this publication for specific fees.</td>
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<td>OPTIONAL FEES:</td>
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<tr>
<td>STUDENT LIFE &amp; LEADERSHIP FEE</td>
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<tr>
<td>A Student Life and Leadership Fee of $10.00 is payable at Registration for classes at SAC. Payment for the Student Life and Leadership. Fee is Optional. The Photo ID is available at the Cashier’s Office, Johnson Student Center, JSC-202 at Santa Ana College, FREE of charge.</td>
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<tr>
<td>PARKING FEE</td>
<td>Regular Student: $30</td>
<td>$</td>
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<tr>
<td>Parking permits are $30.00 for regular students and $20.00 for fee waiver students. All Mandatory fees must be paid in order to purchase parking. A permit is required to park on campus at and SCC only. Only one permit is necessary for students who attend both colleges. Motorcycles are exempt in designated parking areas. Fee is optional. Parking Permits are purchased online through WebAdvisor.</td>
<td>Fee Waiver Student: $20 (Optional)</td>
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Financial assistance information, including the California College Promise Grant (CCPG) Fee Waiver Program is located on page 10
**FEE PAYMENT OPTIONS**
Payment by check, Visa, Mastercard, American Express, or Discover Card are accepted for payment by mail, online, by drop box, or in person.
Questions? Call 714-564-6965.

**ONLINE:**
Payment by credit card via the college website. Santa Ana College: Login to your WebAdvisor account at sac.edu

**BY MAIL:**
Send to: Santa Ana College Cashier’s Office,  
1530 W. 17th Street, Santa Ana, CA 92706

**IN PERSON:**
Santa Ana College: Fee payments are made in the Cashier’s Office in room J-202
Fees are due immediately upon registration.
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.
Once the semester begins, you will not be dropped for non-payment. For late starting classes, please check WebAdvisor for drop and refund deadlines to avoid fees.

**NOTICE: DISHONORED CHECKS**
A $25.00 fee will be charged for a check returned for any reason. In addition, an administrative hold will be placed against your student records and a class stop may be issued. Payment for dishonored checks may be made by cash, cashier’s check or money order only at the Cashier’s Office at SAC, room J-202, or the Cashier’s Office at SCC.

**REFUNDS**
Refunds will be automatically processed weekly beginning the third week of the semester. To request a refund prior to the third week of the semester, please contact the Cashier’s Office (714-564-6965). Refunds will be issued in the following manner: credit card payments will be returned as a credit to the initiating card and check refunds will be issued for cash and check payments. Refunds on check payments will be processed after a 14 day clearing period.

**Refund of Registration Fees**
Students who withdraw from full semester classes by Sunday, February 20, 2022, or by 10% of a course less than a semester in length, may request a 100% refund.
FINANCIAL AID

CALIFORNIA COLLEGE PROMISE GRANT (CCPG) FEE WAIVER PROGRAM

There are three ways for California residents to qualify to have their enrollment fee waived at SCC.
Submit the completed CCPG form to the Financial Aid Office for Method A and Method B.

CCPG A: UNTAXED INCOME

Complete the CCPG application and provide the required documentation showing you or your family are receiving TANF, Cal WORKs, SSI/SSP, or General Relief. You are also eligible if you have certification from the California Department of Veteran Affairs or the National Guard Adjutant General that you are eligible for a dependent’s fee waiver, or if you are eligible as a recipient of the Congressional Medal of Honor or as a child of a recipient, or a dependent of a victim of the September 11, 2001 terrorist attack. In addition you are eligible as a dependent of a deceased law enforcement/fire suppression personnel killed in the line of duty. Verification of benefits is required.

CCPG B: FAMILY INCOME

To be eligible, you must complete the CCPG application attesting that the family income does not exceed the state income standards determining eligibility.

CCPG C: FINANCIAL AID APPLICANT

Complete the FAFSA or California Dream Act application process. Applicants with a least $1,104 of unmet need will be provided with a CCPG C that will pay the Enrollment Fee for the entire academic year and provide a refund to students who have already paid.

In order to remain eligible for the California College Promise Grant Fee Waiver (CCPG) you must be meeting the academic standards.

If you are placed on academic or progress probation, or any combination thereof, for two consecutive primary terms you will lose your CCPG Fee Waiver eligibility.
If you lose your CCPG eligibility for not meeting the academic standards you may appeal. Appeals will be reviewed that have documented extenuating circumstances such a verified cases of accidents, illnesses, or other circumstances that might include documented changes in the student’s economic situation or evidence that the student was unable to obtain essential student support services. Extenuating circumstances also include special consideration of specific factors associated with Veterans, CalWORKs, EOPS, and DSPS student status.

If you are a Foster Youth you are not be subject to loss of CCPG Fee Waiver for not meeting academic or progress probation.

THE FINANCIAL AID APPLICATION PROCESS:

To apply for financial aid, you must complete the FAFSA (www.fafsa.ed.gov) or California Dream Act Application (dream.csac.ca.gov) online prior to your last day of attendance.

The state Cal Grant competition requires you to also submit GPA verification. If you have completed 16 degree applicable units at Santa Ana College or Santiago Canyon College, your GPA will be sent automatically. If not, you will need to submit your high school GPA on the paper GPA Verification form. Cal Grant deadlines are March 2nd (maximum opportunity) and September 2nd (limited number of awards).

Once you have applied for financial aid, you will be notified by the processor with a Student Aid Report (SAR), giving you the Expected Family Contribution which determines your Pell Grant eligibility and CCPG C eligibility. The California Student Aid Commission will notify you of your Cal Grant eligibility. Each college you have listed on the FAFSA or Dream Act will mail you additional forms to be completed and turned into the Financial Aid Office. After all required documents have been processed; you will be awarded the financial aid programs you are eligible for and an Award Letter will be mailed to you.

If your family circumstances have changed, due to illness, loss of a job, etc., ask about “Special Circumstances” that could affect your eligibility.

WITHDRAWALS AND REPAYMENTS OF FINANCIAL AID FUNDS

Federal regulations may require students to repay federal funds if they drop or withdraw from all classes or drop below half-time status, or are dropped by the instructor due to excessive absence. Based on the date of the COMPLETE WITHDRAWAL, the Financial Aid Office is required to determine the amount, if any, of “unearned” federal financial aid received by the student. A calculation will be completed to determine if the student will owe a refund. Please refer to catalog for more information.

Try to successfully complete at least six units each semester, so that you are not required to pay back a portion of the funds you have received. Dropping below half-time will affect your award.

GENERAL ELIGIBILITY REQUIREMENTS:

- Be a US citizen or eligible non-citizen.
- Have a high school diploma, pass the CAHSEE exam, GED completion or have a California Proficiency Certificate.
- Meet Satisfactory Academic Progress requirements.
- Not be in default on any federal student loan or owe a refund on any federal grant.
- Be enrolled in an eligible program of study leading to a degree, transfer or a certificate.
- Drug convictions, while receiving federal aid, will disqualify eligibility.
- Male Students must be registered with Selective Service. Register online at www.sss.gov or call 847-688-6888 if you need your Selective Service Number.
CAL GRANTS
Cal Grants are available to California residents attending eligible California colleges who meet all criteria and are enrolled in at least 6 units. The programs are administered by the California Student Aid Commission. The annual application deadlines are March 2 and September 2 for community college students. A FAFSA or Dream Act Application as well as a GPA verification is required.

CAL GRANT A
Eligibility is based on financial need and GPA. Assistance is provided to meet tuition and fee costs at four-year universities. Awards to community college students may be placed on “reserve” for a maximum of two years until they transfer to a four-year institution.

CAL GRANT B
Is provided to students from low-income families with living allowance and tuition and fee assistance to attend college. This grant may be used at community colleges and universities, not to exceed four years. Cal Grant B students also receive tuition costs at the same levels as Cal Grant A, except at community colleges.

CAL GRANT C
Assists eligible students enrolled in a vocational training program leading to a Certificate or AA/AS degree, not a transfer program.

FEDERAL PELL GRANT
Pell Grant is a federally funded program for undergraduates who demonstrate need. The amount of the Pell Grant is based on the cost of attendance, the Expected Family Contribution, and the enrollment in number of units. Please check with the Financial Aid Office or visit the website for the maximum and minimum PELL award amount. If you apply late and you are eligible, you may be paid retroactively for the entire academic year. Pell Grants are limited to 12 Full Time equivalent semesters.

FEDERAL DIRECT LOAN PROGRAM
All students who meet federal financial aid eligibility criteria may borrow through the Direct Loan program. Funds are borrowed directly from the federal government. Annual Direct Loan Subsidized and Unsubsidized combined limits are $3,500 for freshmen and $4,500 for sophomores. Additional Direct Unsubsidized loans are available for eligible students.

Subsidized Direct Loan: The federal government pays the interest on this need-based loan while the student is in school, at least half-time.

Unsubsidized Direct Loan: The student is responsible for paying the interest on this loan that is not need based. Additional Unsubsidized Direct Loans: Available to students who meet all of the qualification requirements. The annual loan limits are $6,000 for independent students and $2,000 for dependent students.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG)
This is a federally funded grant, available to undergraduates who demonstrate exceptional financial need. Priority in awarding FSEOG funds must be given to Pell Grant recipients. Minimum enrollment is six units per semester. Early applicants are given priority.

FEDERAL WORK-STUDY PROGRAM (FWS)
This is a federally funded program providing employment opportunities to students with financial need. Students awarded FWS are placed in part-time jobs on campus. This program provides an excellent “learning experience” through on-the-job training. Students must be enrolled in a minimum of six units to remain eligible. Early applicants are given priority.

CHAFEES GRANT
This grant is available to former foster youth age 13 and above. Awards are $5,000 per year and the program has limited funding. To apply use the FAFSA application and the separate Chafee Grant application. There is a maximum age limit of 23 as of July 1 of the award year. No payments are made beyond the age of 23.

EXTENDED OPPORTUNITY PROGRAMS AND SERVICES (EOPS / CARE)
This is a state funded program designed to assist EOPS eligible students from low income families who are educationally disadvantaged, and enrolled full-time, with priority registration, orientation, personal and academic counseling, tutoring, study-skills, book services, and other benefits as funding permits. The CARE program provides students additional services and benefits such as cash-grant incentive program, monthly workshops, and meal cards.

SCHOLARSHIP OFFICE
Santa Ana College:    S-201    714-564-6478
Santiago Canyon College:  A-210    714-628-4793

The Bureau of Indian Affairs provides grants to eligible, tribe certified, American Indian students who are at least one-quarter American Indian, Eskimo or Aleut. For information, call 916-978-6058
PREREQUISITES & COREQUISITES

IMPORTANT DEFINITIONS
If you should see the words Prerequisite or Corequisite in the class schedule, it is important for you to understand the definitions of these terms. Note that prerequisites and corequisites can be challenged. See Prerequisite Challenge Policy, on this page, for more information.

PREREQUISITE indicates a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. A prerequisite represents a set of skills or a body of knowledge that a student must possess prior to enrollment and without which the student is highly unlikely to succeed in the course or program. Students will not be permitted to enroll in such courses and programs without the appropriate prerequisite.

COREQUISITE indicates a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. A corequisite represents a set of skills or a body of knowledge that a student must acquire through concurrent enrollment in another course and without which the student is highly unlikely to succeed. Students must concurrently enroll in the corequisite course.

PREREQUISITE CHALLENGE POLICY AND PROCEDURES

COURSE PREREQUISITE POLICY
Prerequisite means the preparation or previous course work considered necessary for success in the course. The College requires students to complete prerequisites as pre-enrollment preparation. Prerequisites which are listed in the College Catalog include:
1. Courses for which specific prerequisites have been established,
2. Sequential course work in a degree-applicable program, and
3. Courses in which an equivalent prerequisite exists at a four-year transfer college or university.
Questions about prerequisites are best resolved with a counselor or instructor prior to the first day of class.

PREREQUISITE CHALLENGE PROCESS
A prerequisite challenge requires written documentation explaining alternative coursework, background or abilities which adequately prepare the student for the course. A Prerequisite Challenge Form can be obtained from the appropriate division office. Prerequisites may be challenged for one or more of the following reasons:
1. The prerequisite is discriminatory or is being applied in a discriminatory fashion.
2. The College has not made the prerequisite course reasonably available.
3. The student has documented knowledge and abilities equivalent to those specified in the prerequisite course.
4. The challenge will be reviewed by a committee consisting of the division dean, or designee, department chair, or designee, and one department or division representative or designee.

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

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

LOSS OF PRIORITY REGISTRATION
You will lose priority registration if you are on academic or progress probation for 2 semesters, or if you have more than 100 degree applicable units.
ASSOCIATE DEGREE REQUIREMENTS*

To qualify for an associate degree (other than an Associate Degree for Transfer*), the candidate must meet the following requirements:

Courses: Sixty units in the following categories:

I. Major Requirements: Each degree and certificate program specifies courses required for the major. Students must complete these courses with a grade of "C" or better. (Grades of Pass are allowed for Associate Degrees for Transfer.)
   See the Instructional Programs section of the catalog.

II. General Education Requirements: 24 semester units of general education which include one course or more as indicated in group requirements A, B, C, D, E, and F.
   Courses from the major may be used to satisfy areas A – F

III. Required Proficiencies: The college requires proficiency in basic learning skills in mathematics and reading.
   See page 16

IV. Oral Communication Requirement: Completion of 3 units with a grade of "C" or better from the following:
   Communication Studies 101 or 101H (Interpersonal Communication), Communication Studies 102 or 102H (Public Speaking), Communication Studies 140 (Argumentation and Debate), Communication Studies 145 (Group Dynamics), Communications Studies 150 (Organizational Communication), Communication Studies 152 (Oral Interpretation).
   1. Note: The requirements in parts II, III, and IV may be met by completion of CSU General Education Breadth certification requirements**, by completion of the Intersegmental General Education Transfer Curriculum requirements, or by submitting a transcript showing completion of a bachelor's degree from a regionally accredited institution. The requirements in parts II, III, and IV may also be met by submitting a transcript showing completion of an associate of arts or associate of science degree from a regionally accredited California institution within a ten-year period of finishing major requirements (I) at the college.
   2. Courses numbered less than 100 and preceded by “N” are NOT applicable to the Associate Degree.
   3. ** If Business 130 is used to meet CSU GE Area B4 - Mathematics/Quantitative Reasoning, then the associate degree (AA, AS) math proficiency may NOT be met. Students using Business 130 for B4, must meet one of the math proficiency requirements in Section III, unless earning an Associate Degree for Transfer (AA-T, AS-T).

4. Grade Point Average: A cumulative G.P.A. of at least 2.0 (C).

5. Residency: At least 12 units completed at (at least six of the units must be in courses required for the major unless students are earning an AA-T or AS-T degree).

6. Petition for Graduation and Catalog Rights:
   7. Petitions for graduation should be filed in the Office of Admissions and Records one semester before the student expects to graduate. Students who maintain continuous enrollment in at least one regular semester or session of a catalog year (Fall, Intersession, Spring, or Summer) at Santa Ana College or Santiago Canyon College may elect to meet the associate degree or certificate requirements in the catalog in effect at the time of first enrollment, or may choose the catalog requirements from any one year of subsequent continuous enrollment. A student who has an interruption of attendance must use the catalog at the time of readmission or one of subsequent continuous enrollment. Commencement exercises are held once a year at the end of the spring semester for those students who complete the requirements for graduation during the year or the summer session.

Note: Transcripts from all colleges attended must be on file.

* Please see the Catalog for degree requirements for the Associate in Arts for Transfer (AA-T) and the Associate in Science for Transfer (AS-T). Plan A does not meet the general education requirements for Associate Degrees for Transfer
I. MAJOR REQUIREMENTS  See the Instructional Programs section of the catalog.

II. GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE DEGREE

Plan A: 2021–2022

Note: Plan A does not meet the general education requirements for Associate Degrees for Transfer. A single course may be used to meet only one category requirement (A-F) in section II. However, a course may be used to meet both a required proficiency or oral communication requirement, as well as one of the categories of General Education Courses on Plan A. Courses which meet the requirements for Part II of Plan A at Santiago Canyon College will automatically meet the identical requirements for Part II of Plan A at Santa Ana College.

A. NATURAL SCIENCES (minimum 3 units)
   Anthropology 101, 101L
   Astronomy 109, 110 or 110H, 140
   Biology 109 or 109H, 109L, 111, 115, 149, 177, 190, 190L, 200, 211, 239, 259
   Chemistry 109, 119, 209, 210, 219 or 219H
   Earth Science 110 or 110H, 115, 150 or 150H
   Environmental Studies 140, 200, 259
   Geography 101, 101L, 130
   Geology 101, 101L, 140, 150 or 150H, 201
   Physical Science 117, 118
   Physics 109, 210, 217, 279
   Psychology 200

B. SOCIAL AND BEHAVIORAL SCIENCES (minimum 6 units)
   1. American Institutions (minimum 3 units)
      History 118, 120 or 120H, 121 or 121H, 122
      Political Science 101 or 101H
   2. Social Science Elective (minimum 3 units)
      Anthropology 100 or 100H
      Child Development 107, 110
      Criminal Justice 101 or 101H
      Economics 120, 121
      Geography 100 or 100H, 102 or 102H, 140, 155
      History 101 or 101H, 102 or 102H
      Law 100
      Paralegal 100
      Political Science 101 or 101H
      Psychology 100 or 100H
      Sociology 100 or 100H

C. HUMANITIES (minimum 3 units)
   American Sign Language 110, 111, 116, 210, 211
   Anthropology 104 or 104H
   Art 100 or 100H, 101, 102, 105, 110
   Communications and Media Studies 103, 105 or 105H, 111
   Dance 100 or 100H, 101, 104, 105
   Digital Media 101, 102, 103, 104, 105, 107, 113
   English 104 or 104H
   Foreign Language:
      Chinese 101, 102
      French 101, 102, 201 or 201H, 202 or 202H
      Italian 120, 121
      Japanese 101, 102
      Spanish 101 or 101H, 102 or 102H, 195A, 195B, 201 or 201H, 202 or 202H
      Vietnamese 101, 102
   Interdisciplinary Studies 121, 200
   Kinesiology, Professional 170
   Literature:
      Communications and Media Studies 110
      English 102 or 102H, 231, 232, 233ABC, 241, 242, 243, 270, 271, 272
      Music 101 or 101H, 102 or 102H, 104, 105, 110, 111
      Philosophy 106 or 106H, 108, 112, 118
      Theatre Arts 100, 105, 120, 123
D. CULTURAL BREADTH (Three units required from D1 or D2)

1. Ethnic Studies / Women’s Studies
   - American Sign Language 116
   - Anthropology 104 or 104H, 125
   - Art 103, 104, 106
   - Asian American Studies 101
   - Black Studies 101
   - Chicano Studies 101
   - Child Development 221
   - Communication Studies 103 or 103H, 206 or 206H
   - English 104 or 104H, 245, 246, 278
   - Ethnic Studies 101 or 101H, 102 or 102H
   - History 123, 124 or 124H, 125, 127, 146, 150, 151, 153, 163, 181
   - Kinesiology, Health Education 102
   - Music 103
   - Nutrition and Food 118
   - Political Science 235
   - Psychology 170
   - Women’s Studies 101, 102

2. International Perspective
   - Anthropology 100 or 100H
   - Business 106
   - Criminal Justice 209
   - Dance 105
   - Digital Media 102, 105
   - English 271, 272
   - Geography 100 or 100H, 102
   - Interdisciplinary Studies 117H
   - Kinesiology, Professional 150
   - Music 102 or 102H
   - Philosophy 112
   - Theatre Arts 105

E. LANGUAGE AND RATIONALITY (minimum 6 units)

1. English Composition (minimum 3 units)
   Courses fulfilling the written composition requirement include both expository and argumentative
   writing. The English composition requirement may be met by completing English 101 or 101H with a
   grade of “C” or better.

2. Communication and Analytical Thinking (minimum 3 units)
   Includes mathematics, logic, statistics, computer languages and programming and related disciplines.
   - Business 130
   - Communication Studies 102 or 102H, 140, 145, 150
   - Computer Science 100, 105
   - Counseling 144
   - English 102 or 102H, 103 or 103H
   - Mathematics 078, 082, 083, 084, 105, 140, 141, 145, 150, 162, 170, 180, 185, 204, 219 or 219H,
     221, 280, 287
   - Philosophy 110 or 110H, 111
   - Psychology 210
   - Reading 101X, 102, 150

F. LIFELONG UNDERSTANDING & SELF-DEVELOPMENT (minimum 3 units)
   Note: Take one course from each group. No more than one (1) unit may be counted from F2.
   A single course may be used to meet only one category requirement (A-F) in section II. However, a course
   may be used to meet both a required proficiency or oral communication requirement, as well as one of the
   categories of General Education Courses on Plan A. Courses which meet the requirements for Part II of
   Plan A at Santiago Canyon College will automatically meet the identical requirements for Part II of Plan A
   at Santa Ana College.

Three units for health education and one unit for Kinesiology may be granted on the basis of military
service. Please see a counselor or the catalog for additional information.

1. Completion of one of the following:
   - Child Development 107
   - Counseling 100, 116, 124, 125, 128
Entrepreneurship 100
Fashion Design Merchandising 103
Interdisciplinary Studies 111, 155
Kinesiology, Health Education 101 or 101H, 102, 103, 104, 108
Kinesiology, Professional 125, 160
Library and Information Studies 100
Mathematics 030
Nutrition & Food 115 or 115H
Philosophy 111
Psychology 140, 160, 230
Sociology 112
Study Skills 109

2. **Completion of one of the following:**
   - Kinesiology, Adapted Activities 201A, 202A, 202B, 205A, 208A, 208B, 211A, 211B
   - Kinesiology, Aerobic Fitness 140, 140A, 143A, 144A, 146A, 146B, 150A, 156A, 156B, 157A
   - Kinesiology, Aquatics 201A, 201B
   - Kinesiology, Professional 155, 165, 175, 195, 200, 275

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

### III. REQUIRED PROFICIENCIES

Courses listed can also be used to meet General Education Requirements in groups A through F where appropriate. Courses taken to meet these proficiencies must be completed with a grade of C or better.

**A. READING**

The Reading Proficiency will be considered met by earning a C or better in English 101 or 101H.

**B. MATHEMATICS**

1. Completion of Mathematics 082, 083/084 or any other 3 unit mathematics course numbered above the level of 083/084; or Psychology 210;
   - OR –
2. Recommended placement into Math 140, Math 150, Math 162, Math 180, or Math 219 and without the recommendation of taking a course that provides additional support based on the Santa Ana College Mathematics Department multiple measures placement criteria;
   - OR –
3. A score of 3 or better on the following AP exams: Statistics, Calculus AB, Calculus BC, Computer Science Principles (Note: Meets Area B4 on CSU-GE Plan)

### IV. ORAL COMMUNICATION REQUIREMENT

Completion of 3 units with a grade of “C” or better from the following: Communication Studies 101 or 101H (Interpersonal Communication), Communication Studies 102 or 102H (Public Speaking), Communication Studies 140 (Argumentation and Debate), Communication Studies 145 (Group Dynamics), Communication Studies 152 (Oral Interpretation).

### CERTIFICATE PROGRAMS

A certificate is a verification of competency in a particular occupational skill. Certificate programs normally include only those courses which have a direct bearing upon specialized occupational competency since the certificate has the sole objective of immediate employment in a specialized area. For this reason there is no general education requirement in a certificate program. Santa Ana College certificate programs leading to immediate employment are listed in the catalog. To qualify for a certificate of completion, a candidate must meet the following requirements:

1. **Courses**: Courses are designated for the specific certificate.
2. **Grades**: At least a C grade in each course required for the certificate, unless otherwise specified. Credit by Examination may also be used to gain credit for required courses.
3. **Pass/No Pass**: A pass/no pass course is acceptable toward the certificate if it is required for the certificate and (a) offered on a pass/no pass basis only or (b) if the pass/no pass is earned on the basis of credit by examination.
4. **Residency**: Twelve units completed at SAC/SCC. (At least six of the units must be in courses required for the certificate, unless otherwise noted in the catalog.)
5. **Petition**: Petition for certificate filed by the student with the Office of Admissions and Records.
Significant changes have been made to this general (GE) pattern effective Fall 2021. Area D, Social Sciences, has been reduced from nine units to six. Area F, Ethnic Studies, is a new three unit requirement. Students who began at SAC in Fall 2021 or later should follow the course pattern below. However, students who began attending SAC or another California Community College or CSU campus prior to Fall 2021 should consult a SAC counselor for additional information.

CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH (CSU GE)

Plan B 2.0: 2021–2022 Santa Ana College

These requirements apply to all students. Students planning to graduate from one of the 23 campuses of the California State University must complete 48 semester units in general education breadth courses. A student may complete 39-40 units of general education at Santa Ana College prior to transfer. Nine semester units of general education coursework must be completed at the upper division level after transfer.

CERTIFICATION OF GENERAL EDUCATION

1. Santa Ana College is authorized to certify a maximum of 39-40 general education units.
2. Pass/No Pass grades are accepted for certification in all areas, however they are not recommended for transfer credit in basic skill areas. (A. English Language Communication and Critical Thinking, A1, A2, and A3; and B4, Mathematics/Quantitative Reasoning). In addition, letter grades may be recommended or required for specific courses in a given major. Each CSU campus may also limit the total number of units graded credit.
3. A single course may not meet more than one general education requirement.
4. Requests for certification should be made to the Office of Admissions and Records during the semester prior to the last term of attendance. (Please check deadlines.)
5. Certification of coursework from other colleges will only be granted to students whose last community college of attendance prior to transfer is Santa Ana.
6. Courses taken at other California Community Colleges will be applied to the subject areas in which they were listed by the institution where the work was completed.
7. Courses taken at other regionally accredited private/out of state institutions (which do not maintain a CSU certification list) will be placed in the subject areas for which Santa Ana College has equivalent courses. Courses completed at foreign institutions are not acceptable for certification. In some cases non-equivalent courses may also be considered. Consult a counselor for additional information.

IMPORTANT NOTE: The list of certifiable courses will be subject to change year by year, but students are assured that courses taken to meet General Education Breadth requirements will be honored if they are approved for the academic year in which they are taken. Courses on this list are approved beginning Fall 2021 and are valid through Summer 2022.

TRANSFER CREDIT

1. Students may transfer up to 70 semester units to the CSU system. Sixty transferable units are needed for junior standing.
2. All courses used for CSU transfer credit must be numbered 100 or above in the Santa Ana College catalog.

A. English Language Communication and Critical Thinking (minimum 9 semester/12 quarter units)
The 9 units selected from this area must include at least one course each from A1, A2, and A3. Each course must be completed with a grade of “C” or better.

A1: Oral Communication
   Communication Studies 101 or 101H, 102 or 102H, 103 or 103H, 140, 145, 150

A2: Written Communication
   English 101 or 101H

A3: Critical Thinking
   Communication Studies 140
   Counseling 144
   English 102 or 102H (102 and 102H not accepted in A3 if completed prior to Fall 2011), 103 or 103H
   Philosophy 110 or 110H, 111
   Reading 150

B. Scientific Inquiry and Quantitative Reasoning (minimum 9 semester/12 quarter units)
The 9 units selected from this area must include at least one course each from B1, B2, and B4. The 9 units must also include a corresponding lab component. (Lab classes are in BOLD.) Courses in B4 must be completed with a grade of “C” or better.

B1: Physical Science
   Astronomy 109, 110 or 110H
   Chemistry 109, 115, 119, 209, 210, 219 or 219H, 229
   Earth Science 110 or 110H, 115, 150 or 150H
   Environmental Studies 140
Geography 101, 130
Geology 101, 140, 150 or 150H, 201
Physical Science 115, 117
Physics 109, 210, 211, 217, 227, 237, 279, 289

B2: Life Science
Anthropology 101
Biology 109 or 109H, 111, 115, 139, 149, 177, 190, 211, 212, 214, 229, 239, 249, 259
Environmental Studies 259
Psychology 200 (Fall 2017 or later completion)

B3: Laboratory Activity
Anthropology 101L
Astronomy 140
Biology 109L, 111 115, 139, 149, 190L, 211, 212, 214, 229, 239, 249, 259
Chemistry 109, 115, 119, 209, 210, 219 or 219H, 229
Earth Science 115
Environmental Studies 259
Geography 101L
Geology 101L, 201
Physics 109, 210, 211, 217, 227, 237, 279, 289
Physical Science 115, 118

B4: Mathematics/Quantitative Reasoning
Courses must be completed with a grade of “C” or better.
Business 130 (Fall 2019 or later completion) (Does not meet the Math Proficiency requirement for AA and AS degrees. See Associate Degree Requirements on page 13)
Mathematics 105, 140, 141, 145, 150, 162, 180, 185, 204, 219 or 219H, 221, 280, 287
Psychology 210

C. Arts and Humanities (minimum 9 semester/12 quarter units)
This area must include one course from C1 and one course from C2.

C1: Arts: Art, Cinema, Dance, Music, Theatre
Art 100 or 100H, 101, 102, 103, 104, 105, 106, 108
Communications and Media Studies 103
Dance 100 or 100H, 101, 102, 104, 105
Digital Media 102, 103, 104, 107, 113
English 233A, 233B, 233C
Interdisciplinary Studies 121
Music 101 or 101H, 102 or 102H, 103, 104, 105, 110 (Fall 2015 or later completion), 111
Photography 150
Theatre Arts 100, 105, 120, 123

C2: Humanities: Literature, Philosophy, Languages Other Than English
American Sign Language 110, 111, 116, 210
Chinese 101, 102
Digital Media 105
French 101, 102, 201 or 201H, 202 or 202H
History 101 or 101H, 102 or 102H, 150, 151, 153, 163
Interdisciplinary Studies 200
Italian 120, 121
Japanese 101, 102
Kinesiology, Professional 170
Philosophy 106 or 106H, 108, 112, 118
Spanish 101 or 101H, 102 or 102H, 195A, 195B, 201 or 201H, 202 or 202H
Vietnamese 101, 102

D. Social Sciences (minimum 6 semester/9 quarter units)
Anthropology 100 or 100H, 103, 104 or 104H, 105, 125
Asian American Studies 101
Biology 200
Black Studies 101
Chicano Studies 101
Child Development 107, 110
Communication Studies 103 or 103H, 206 or 206H
Communications and Media Studies 105 or 105H, 111
Computer Science 100
Counseling 150
Criminal Justice 101 or 101H
Economics 120, 121
Environmental Studies 200
Ethnic Studies 101 or 101H, 102 or 102H
Geography 100 or 100H, 102, 140
History 101 or 101H, 102 or 102H, 105, 118, 120 or 120H, 121 or 121H, 123, 124 or 124H, 125, 127, 133, 146, 150, 151, 153, 163, 181
Interdisciplinary Studies 117H, 155
Kinesiology, Professional 150
Law 100
Paralegal 100 (Fall 2021 or later completion)
Political Science 101 or 101H, 200 or 200H, 201, 220, 235
Psychology 100 or 100H, 140, 157, 160, 170, 200, 219, 230, 240, 250
Sociology 100 or 100H, 112, 140 or 140H, 240
Women’s Studies 101, 102

NOTE: The CSU graduation requirement in United States History, Constitution And American Ideals may be met by completing Political Science 101 or 101H and one U.S. History course from the following: History 118, 120 or 120H, 121 or 121H, 123, 124 or 124H, 127, 146. These courses (in **BOLD** in Area D) may also be used to meet 6 of the 9 Area D unit requirements.

E. Lifelong Learning and Self-Development (minimum 3 semester/4 quarter units)
Three units should be selected from below with no more than one unit from E2. Three units of credit are allowed in E for former military personnel with a DD-214.

E1:
Child Development 107, 229
Communication Studies 104
Counseling 100, 116, 124, 125, 128
Fashion Design Merchandising 103 (Fall 2021 or later completion)
Interdisciplinary Studies 155
Kinesiology, Health Education 101 or 101H, 102, 103, 104
Kinesiology, Professional 125
Nutrition and Food 115 or 115H
Psychology 140, 157, 230
Sociology 112
Study Skills 109 (Fall 2013 or later completion)

E2:
Kinesiology, Adapted Activities 201A, 202A, 202B, 205A, 208A, 208B, 211A, 211B
Kinesiology, Aerobic Fitness 140A, 143A, 144A, 146A, 146B, 150A, 156A, 156B, 157A
Kinesiology, Aquatics 201A, 201B

F. Ethnic Studies
(minimum 3 semester/4 quarter units)
Chicano Studies 101 (Fall 2021 or later completion)
Ethnic Studies 101 (Fall 2021 or later completion) or 101H (Fall 2021 or later completion)

Planning to Transfer? www.assist.org
Your official source for California articulation and student transfer information.
Plan C: 2021–2022 Santa Ana College
Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from Santa Ana College to a campus in either the CALIFORNIA STATE UNIVERSITY or the UNIVERSITY OF CALIFORNIA system without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements.

1. It is generally recommended that students complete all requirements for IGETC and receive certification prior to transfer. Students may obtain partial certification however by completing all but 1-2 courses. Consult a counselor for additional information.

2. **Complete all courses used for IGETC certification with a minimum grade of C (C minus is not acceptable).** A “pass” is acceptable providing it is equivalent to a grade of C or higher. The catalog must reflect this policy.

3. Request certification from the last California community college you attend prior to transfer to CSU or UC. Requests should be made to the Office of Admissions and Records during the semester prior to the last term of attendance. (Please check deadlines.)

4. Prior to requesting certification, have all official transcripts on file from every high school and college you have attended.

5. Courses taken at other California community colleges will be applied to the subject areas in which they are listed by the institution where the work was completed.

6. Courses taken at other regionally accredited private/out of state institutions (which do not maintain an IGETC certification list) will be placed in the subject areas for which Santa Ana College has equivalent courses. Equivalency is determined by Santa Ana College faculty. Petitions are available from Counseling and must be accompanied by the appropriate documentation. In some cases non-equivalent courses may also be considered. Consult a counselor for additional information.

7. Courses completed at foreign institutions (without U.S. regional accreditation) are not acceptable except for certification of competence in a language other than English.

**IMPORTANT NOTE:** The list of certifiable courses will be subject to change year by year, but students are assured that courses taken to meet IGETC requirements will be honored if they are approved for the academic year in which they are taken. Courses on this list are approved beginning Fall 2021 and are valid through Summer 2022.

**AREA 1 - ENGLISH COMMUNICATION**

**CSU:** 3 courses required, one from each group.

**UC:** 2 courses required, one each from Group A and B.

**Group A: English Composition**

1 course, minimum 3 semester/4-5 quarter units.

English 101** or 101H**

**Group B: Critical Thinking-English Composition**

1 course, 3 semester/4-5 quarter units.

English 102** or 102H** (102 and 102H not accepted in 1B if completed prior to Fall 2011)

English 103** or 103H**

Philosophy 110** or 110H**

**Group C: Oral Communication (CSU ONLY)**

1 course, 3 semester/4-5 quarter units.

Communication Studies 102** or 102H**, 103** or 103H**, 140, 145

**AREA 2A - MATHEMATICAL CONCEPTS & QUANTITATIVE REASONING**

1 course, 3 semester/4-5 quarter units.


**AREA 3 - ARTS & HUMANITIES**

3 courses, 9 semester/12-15 quarter units, with at least one course from Group A and one course from Group B.

**Group A: Arts (minimum 1 course)**

Art 100** or 100H**, 101, 102, 103, 104, 105, 106, 108

Communications and Media Studies 103

Dance 100** or 100H**, 102, 105

Digital Media 103, 104, 107

Interdisciplinary Studies 121

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

Photography 150

Theatre Arts 100, 105, 123 (Fall 2020 or later completion)
**Group B: Humanities** (minimum 1 course)
- American Sign Language 111, 116, 210
- Chinese 102
- English 102**, 102H**, 220, 231, 232, 233A or 233B or 233C, 241, 242, 243, 245, 246, 270 (Fall 2020 or later completion), 271, 272, 278
- French 102, 201**, 201H**, 202**, or 202H**
- History 101**, 101H**, 102**, or 102H**, 150, 151, 153, 163*
- Interdisciplinary Studies 200
- Italian 121
- Japanese 102
- Philosophy 106**, or 106H**, 108, 112, 118
- Spanish 102**, or 102H**, 195A, 195B, 201**, or 201H**, 202**, or 202H**
- Vietnamese 102

**AREA 4 - SOCIAL & BEHAVIORAL SCIENCES**
3 courses, 9 semester/12-15 quarter units from at least 2 disciplines or an interdisciplinary sequence.
- Anthropology 100**, or 100H**, 103, 104**, or 104H**, 105, 125
- Asian American Studies 101
- Biology 200
- Black Studies 101
- Chicano Studies 101
- Child Development 107**
- Communication Studies 206**, or 206H**
- Communications and Media Studies 105**, or 105H**, 111
- Criminal Justice 101**, or 101H**
- Economics 120, 121
- English 104**, or 104H**
- Environmental Studies 200
- Ethnic Studies 101**, or 101H**, 102**, or 102H**
- Geography 101**, or 101H**, 104**, or 104H**, 140
- Interdisciplinary Studies 117H, 155
- Law 100 (Fall 2020 or later completion)
- Political Science 101**, or 101H**, 200**, or 200H**, 201, 220, 235
- Psychology 100**, or 100H**, 140, 157**, 160, 170, 200, 219, 230, 240, 250
- Sociology 100**, or 100H**, 140**, or 140H**, 240
- Women's Studies 101, 102

**AREA 5 - PHYSICAL & BIOLOGICAL SCIENCES**
At least 2 courses, 7-9 semester/9-12 quarter units with one Physical Science course and one Biological Science course; at least one must include a corresponding laboratory (Group C)

**Group A: Physical Science** (1 course)
- Astronomy 109, 110**, or 110H**
- Earth Science 110**, or 110H**, 115**, 150**, or 150H**
- Environmental Studies 140
- Geography 101**, 130
- Geology 101**, 140, 150**, or 150H**, 201
- Physical Science 115, 117**

**Group B: Biological Science** (1 course)
- Anthropology 101
- Biology 109**, or 109H**, 111, 115, 139**, 149 (Fall 2017 or later completion), 177, 190, 211**, 212, 214, 229**, 239, 249, 259
- Environmental Studies 259
- Psychology 200 (Fall 2017 or later completion)

**Group C: Laboratory Activity**
- Anthropology 101L
- Astronomy 140
- Biology 109L, 111, 115, 139**, 149 (Fall 2017 or later completion), 190L, 211**, 212, 214, 229**, 239, 249, 259
- Earth Science 115**
Environmental Studies 259
Geography 101L
Geology 101L, 201
Physical Science 115, 118**

**AREA 6A - LANGUAGE OTHER THAN ENGLISH (U.C. ONLY)**
Satisfactory completion of two years of high school coursework in one language other than English with grades of “C-” or better***;

OR

Completion of one of the following: American Sign Language 110, 111, 112; Chinese 101; French 101, 102, 201, 201H, 202, 202H; Italian 120; Japanese 101, 102; Spanish 101, 101H, 102, 102H, 201, 201H, 202, 202H; Vietnamese 101, 102;

OR

Satisfactory completion, with “C” grades or better, of two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English;

OR

Satisfactory score in examinations of languages other than English as follows:
3 or higher on College Board Advanced Placement Examination, 5 or higher on International Baccalaureate Higher Level Examination; SAT II: Subject Tests (see counselor for required scores); A, B, or C on “0” Level exam; 5, 6, 7, A, B, or C on “A” Level exam;

OR

Satisfactory completion of an achievement test administered by a college in language other than English equivalent to two years of high school language. If an achievement test is not available a faculty member may verify competency.

**AMERICAN INSTITUTIONS REQUIREMENT**
(Not part of IGETC. May be completed prior to transfer.)

CSU has an American Institutions graduation requirement that is separate from IGETC. Courses used to meet the CSU requirement can usually also be used in Area 3 or 4. (This is at the discretion of each CSU campus.)

To meet the CSU requirement, students should take Political Science 101** or 101H** AND one of the following courses: History 118, 120**, 120H**, 121**, 121H**, 123, 124**, 124H**, 127, 146.

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

Courses with a (P) are pending approval from the UC office of the President and the CSU Chancellor’s office. Please consult a counselor before enrolling

**Planning to Transfer?**
www.assist.org

Your official source for California articulation and student transfer information.
NEW STUDENT REGISTRATION ORIENTATION

Registration Orientations are done in small groups (up to 15 students) and are led by a Counselor. During the first 30 minutes students will be provided with an overview of Santa Ana College, the English and math placement process, cost, financial aid information, and registration process. Students will also have the opportunity to briefly meet one-on-one with a Counselor for academic advisement and to develop a two-semester abbreviated education plan. Students will be seen using the following order:

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

Call or visit the Assessment Center for more information.

Location: Building L-223
Phone: (714) 564-6148
Website: sac.edu/orientation

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

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

Is there anything I need to bring to the Orientation?

Bring a copy of your course placement recommendation, AP/IB scores or transcripts with you.

What if I didn’t receive a placement recommendation score?

You can take the Guided Self-Placement online at sac.edu/guidedselfplacement

What if English is not my first language?

If English is not your first language and you want to develop your reading, writing, grammar, and speaking skills you should:

   STEP 1: Complete the EMLS Guided Self-Placement online by going to the Assessment Center webpage sac.edu/guidedselfplacement.
   STEP 2: Speak with a Counselor to determine which course is the appropriate option for you based on your academic goal.

Assembly Bill AB 705: The Law And Your Rights

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

Under AB 705, we are also required to use multiple measures, which can include other academic experiences, work history, military training, specialized licenses, certificates, and a Guided Self Placement. Students that do not have access to U.S. High School transcripts can complete the Guided Self Placement, please visit the Assessment Center website at sac.edu/assessmentcenter for additional information.

Placement data disaggregated by race and ethnicity is available for all students to access by visiting: https://bit.ly/2ZdtjHVy

RIGHT TO APPEAL

Students who feel that they have been treated in a discriminatory manner, or would like to appeal their recommended placement level, may file a complaint about any aspect of the college’s assessment and course placement services with the Dean of Counseling. Call 714-564-6078.
FRESHMAN SUCCESS

LEARNING COMMUNITIES AT SANTA ANA COLLEGE

Freshman Success Learning Communities are an innovative approach to traditional course offerings, created by linking courses through thematic content, skill development, or a combination of these methods.

Teachers in the linked courses of a Learning Community work as a team, coordinating assignments, exams and other class activities in their specified courses. Students, too, become a team, joining together in a “cohort” or group, to take the linked classes. Recent research suggests that students in learning community classes get to know their teachers and each other better, and they are better able to connect and apply information and learning from one course to another. Participation in learning communities contributes to improved transfer rates, student success and reduced attrition.

Freshman Success learning communities offer a fresh and exciting way of fulfilling requirements for an AA degree and transfer to Cal State or UC systems

Other Benefits Include:

- A coordinated work load for classes (assignments and exams).
- Classes that are generally transferable in different categories.
- Opportunities to learn across disciplines.
- Developing lasting friendships and learning from peers in an intimate academic atmosphere.
- Gaining refreshing insights into current schools of thought within traditional disciplines.

FRESHMAN SUCCESS COURSES SPRING 2022

<table>
<thead>
<tr>
<th>Section</th>
<th>Units</th>
<th>Course</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room/Modality</th>
</tr>
</thead>
<tbody>
<tr>
<td>Puente</td>
<td>07308</td>
<td>ENGL 103</td>
<td>10:05a-12:10p</td>
<td>TTH</td>
<td>Arambula, M</td>
<td>D-306</td>
</tr>
<tr>
<td></td>
<td>08832</td>
<td>CNSL 104</td>
<td>12:15p-1:05p</td>
<td>TH</td>
<td>Lockhart, A</td>
<td>D-109</td>
</tr>
<tr>
<td>ULINK</td>
<td>07878</td>
<td>ENGL 103</td>
<td>11:00a-3:15p</td>
<td>Tu</td>
<td>Lujan, A</td>
<td>ZOOM</td>
</tr>
<tr>
<td></td>
<td>07185</td>
<td>CNSL 128</td>
<td>1:15p-4:15p</td>
<td>W</td>
<td>Beirne, C</td>
<td>ZOOM</td>
</tr>
<tr>
<td>ULINK</td>
<td>04756</td>
<td>ENGL 103H</td>
<td>10:05a-12:10p</td>
<td>Tu Th</td>
<td>Patterson, K</td>
<td>D-110</td>
</tr>
<tr>
<td></td>
<td>05128</td>
<td>ANTH 101</td>
<td>10:05a-11:30a</td>
<td>M W</td>
<td>Leroy, A</td>
<td>ZOOM</td>
</tr>
<tr>
<td></td>
<td>07186</td>
<td>CNSL 128</td>
<td>1:15p-4:15p</td>
<td>W</td>
<td>Kelley, M</td>
<td>ZOOM</td>
</tr>
<tr>
<td></td>
<td>05047</td>
<td>HIST 124</td>
<td>1:15p-2:40p</td>
<td>TTH</td>
<td>Guzman, K</td>
<td>D-209</td>
</tr>
<tr>
<td></td>
<td>07187</td>
<td>CNSL 128</td>
<td>1:15p-4:15p</td>
<td>W</td>
<td>Santillan, R</td>
<td>ZOOM</td>
</tr>
</tbody>
</table>

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

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

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

Important: Students are required to enroll in all classes within the Freshman Success cohort.

To enroll in this program, students may register online.

For further information, call the Counseling Center at 714-564-6103.
SAC CLASS AND INSTRUCTION METHODS
SAC 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, Online & On-Campus Meetings, and Virtual Hybrid classes:
- Access to classes will be available on Canvas, rsccd.instructure.com, 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 WebAdvisor.
- 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 WebAdvisor sac.edu/webadvisor

### CLASS INSTRUCTION METHODS

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Online (O)</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Fully Online Live (OL)</strong></td>
<td>FULLY ONLINE LIVE INSTRUCTION (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.</td>
</tr>
<tr>
<td><strong>Online &amp; On-Campus Meetings (H)</strong></td>
<td>ON-CAMPUS HYBRID INSTRUCTION (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.</td>
</tr>
<tr>
<td><strong>Virtual Hybrid (VH)</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>On Campus w/Virtual (CV)</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>On Campus (C)</strong></td>
<td>ON-CAMPUS (C) classes are on-campus and in-person with scheduled meeting days and times. Students will complete their course on campus.</td>
</tr>
</tbody>
</table>

### 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.
NEW STUDENT REGISTRATION ORIENTATION

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Website: sac.edu/orientation

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

RIGHT TO APPEAL
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STUDENT SERVICES

ACADEMIC COMPUTING CENTER
Cesar Chavez A-106
714-564-6731
sac.edu/ACC

Computer Access to: attend Zoom class sessions & take Proctorio exams
Online & In-person Tutoring: Accounting, Computer Science, Business Writing, Math, & Microsoft Office
• PCs and Macs
• Engineering and Computer Science software
• Scanners
• Student Printing

*All students are required to bring the necessary material to use while in the Center, such as textbooks and headsets*

ADMISSIONS / REGISTRATION
Admissions Office now has more ways to assist students!
• Admissions Live Chat
• In-person appointments* - Tuesdays & Thursdays- 9:00am-12:30pm, call 714 564-6017
*Please note, masks will be required and social distancing measures will be implemented at all times.
• Email us at Adm_Records@sac.edu – submit documents or ask questions
  sac.edu/StudentServices/AdmissionsRecords – HOMEPAGE
  sac.craniumcafe.com/group/admissions-/lobby – LIVE CHAT

ADMISSIONS / REGISTRATION

ASSOCIATED STUDENT GOVERNMENT (ASG)
Johnson Student Center, J-103
714-564-6208

Talk with staff online via Cranium Café! Visit our website for more information!
  sac.edu/StudentServices/StudentLife

The Associated Students was established to provide students with government and leadership experience.
Opportunities are available to become involved in campus committees and councils as a student representative.
Learn first hand about group dynamics and decision making, event programming, and running effective meetings. Additionally, there are many student clubs and organizations for you to join. Contact the Office of Student Life for information regarding student government, Inter-Club Council, clubs/student organizations and the Student Leadership Institute.

BOOKSTORE/CAMPUS STORE
donbookstore.com/donbook

Please check our website for in person shopping hours.
Located in the Johnson Student Center, JSC-117
Phone: 714-564-6435

Bookstore Check Cashing Policy: Personal checks made payable to are accepted in the amount of purchase.
Students must present a current student ID.
Credit Cards: Current ID required and the cardholder must be present. Visa, MasterCard, and Discover accepted.
Bookstore Refund Policy: Textbooks for full semester courses can be refunded within one week of the first day of classes with current register receipt.
Test materials/supplies also available in the vending machine located in Cesar Chavez Building and at the Don Express.

CalWORKs
Johnson Student Center Room JSC-212
Hours: Mon.-Thur. 8:00a-5:00p • Fri. 8:00a-12:00 noon
Phone: 714-564-6232
Email: CalWORKs@sac.edu

California Work Opportunity and Responsibility to Kids, “CalWORKs”, serves students who meet the Welfare to Work requirements, verified by County Social Services. A variety of support services are provided to help students succeed academically and work towards economic self-sufficiency.
Services provided in a virtual setting only until further notice. Staff and Counselors use various methods (Zoom, Cranium Cafe’, phone, email) for student contact.
CalWORKs staff members are available through phone and email during normal business hours. Please visit our CalWORKs homepage for more details.
CAREER CENTER
L-Bldg, 2nd floor, Room L-222
714-564-6254
sac.edu/StudentServices/Counseling/CareerCenter
The CAREER CENTER provides a variety of services and workshops to assist students in navigating The Career & Academic Pathways including Career Development, Employment Services, Service Learning Internships, and Counseling appointments for students in Career Education disciplines and Undecided Majors. Classes and students utilize the Career Center Resources.

UNDECIDED MAJOR WORKSHOPS
FREE workshops designed specifically to assess students’ career interests. Provides decision-making information, which can lead to more effective educational goals associated with various majors. Call for dates and times.

EMPLOYMENT PREPARATION WORKSHOPS
Employment Preparation Workshops are offered on an ongoing basis in the following areas: Résumé Preparation, Interview Skills and LinkedIn. Call for dates and times.

CASHIER’S OFFICE & PHOTO I.D. HOURS
Johnson Student Center, JSC-202 • Phone: 714-564-6965
Hours: Mon –Thur: 8:00a to 5:00p • Friday: 8:00a to 5:00p
Pay fees online sac.edu

CENTER FOR TEACHER EDUCATION
Administration Building, Room S-110
714-564-6352
teacher_ed@sac.edu
sac.edu/teachered
Hours: Mon.-Wed. 8:00a-7:00p • Thur. 8:00a-5:00p • Fri. 8:00a-12:00p
All services are provided online during temporary remote instruction.
Center for Teacher Education (CFTE) is a resource center for students interested in pursuing careers in education including teachers, librarians, counselors, and other school personnel, as well as students in the Future Educators Career & Academic Pathway. CFTE offers information, specialized counseling and academic advisement, and support services such as transfer assistance and career preparation, a textbook loan program, field trips and university campus visits, conferences and workshops, and opportunities to network with other future educators. Contact us to learn more about our activities and services, get your questions answered about becoming an educator, or make a counseling appointment to develop an education plan.

CHILD DEVELOPMENT SERVICES
Executive Director (2323 N. Broadway, Santa Ana)
714-480-7546
Child care services are provided at all Santa Ana College sites for children 6 months to five years of age of students who qualify for sliding scale fees. Fees vary according to income. Spaces are available for RSCCD staff when available. The Early Head Start (EHS) program is for low-income infants, toddlers, pregnant women and their families. Services are offered at the ECEC or in your home.
For information call any center below:
Santa Ana College at 714-564-6894.
Centennial Education Center at 714-241-5739.
Santa Ana College East Campus at 714-564-6952.
Early Head Start 714-480-7545.

COMMUNITY EDUCATION
Administration Building, S-203
714-564-6594
sac.edu/cms
FAX 714-564-6309
The Community Education program offers courses for both adults and children in computers, personal growth, dance, arts & crafts, money matters & investments, recreation, business, careers, travel tours, and more. For registration information, or to obtain a brochure with a full listing of events, call or visit our office listed above.
COUNSELING SERVICES
Administration Building, Room S-112
714-564-6103
Counseling Services provide a variety of programs and procedures through which individuals are brought into the instructional program, assisted in career planning and development, assisted in planning for and pursuing courses of study, and provided avenues for obtaining employment. For more information, log on: sac.edu/counseling

DIGITAL DONS LAPTOP PROGRAM
Digital Dons is a program designed to meet students technology needs and achieve more equitable course completion. Through this program, eligible students may borrow a laptop and keep it for the entire term. We are now offering part-time students to borrow through our program; limited quantity is available.

Eligibility
Due to Covid-19, student eligibility has temporarily changed. To be eligible, students must be currently enrolled in one credit course and be a student.

Digital Dons Website
For more information reach us at our website: sac.edu/digitaldons

Student Help Desk
For questions and assistance on our Digital Dons Laptop Loan Program contact us via Cranium Café: sac.edu/StudentServices/digital-dons

DISABILITY SERVICES
Disabled Students Program & Services
Johnson Student Center, JSC-108
714-564-6295
657-235-2999 Video Phone
Hours: Mon. - Thurs. 8:00a - 5:30p • Wed. 5:30p - 7:00p (by appointment only) • Fri. 8:00a - 12:00p
The Disabled Students Program and Services (DSPS) office provides accommodations to support students in pursuit of a community college education. Students with disabilities should have the following levels of independence:
• The ability to navigate campus facilities independently or with the assistance of a personal care attendant (to be provided by the student);
• The ability to take care of his/her personal needs interdependently or with assistance of a personal attendant (to be provided by the student);
• Stable level of health/wellness in order to benefit from, and fully participate in, a full term’s work
New students must complete a DSPS application and meet with a DSPS faculty to discuss their accommodation needs. Verification of disability from a qualified professional must be provided to the DSPS office to qualify for any of the following supportive services:
• Use of special equipment
• Alternate media production
• On-campus mobility assistance
• Priority registration
• Sign Language Interpreting
• Real-time captioning/CART services
• Test proctor accommodations
• Note taking services
• Case management
• Preferential seating
• Liaison referral with community agencies
Please see the catalog, visit sac.edu/StudentServices/DSPS, come to the Johnson Student Center, JSC-108, or call 714-564-6295 for more detailed information.

DON EXPRESS
Snacks, sandwiches, drinks, school supplies, test forms, and magazines.
Located between Dunlap Hall and Phillips Hall
EXTENDED OPPORTUNITY PROGRAM AND SERVICES (EOPS)
Johnson Student Center, JSC-212
714-564-6232
Hours: Mon.-Thur. 8:00a-5:00p • Fri. 8:00a-12:00 noon
Email: EOPS@sac.edu

These programs provide opportunities and services to eligible students from low-income and academically disadvantaged backgrounds. The program and services are designed to facilitate the college experience and to assist students to achieve their educational goals. The CARE program is for EOPS-eligible students who are single parents with children under the age of 18, and are verified cash-aided recipients. Services provided in a virtual setting only until further notice. EOPS Counselors use various methods (zoom, Cranium Café, phone, email) for student contact. EOPS staff members are available through phone and email during normal business hours. Please visit our EOPS homepage for more details.

FAINBARG CHASE THRIVE CENTER
The Village VL-206 (714) 564-6458
thrivecenter@sac.edu
sac.edu/thrivecenter
Spring Hours: M/W/TH 10:00am - 12:00pm; 1:00pm - 6:00pm | F 10:00am - 12:00pm | Closed Tuesdays

The Fainbarg Chase Thrive Center is dedicated to supporting the healthy well-being of a diverse community of learners. Our center strives to help students establish a strong foundation physically, mentally, and academically through providing access to basic needs such as food, clothing, career workshops, and shelter. The program addresses significant disparities in food and housing security to increase health and improve academic performance.

FINANCIAL AID
Johnson Student Center, JSC-201
714-564-6242
sac.edu/StudentServices/FinancialAid

Hours: Mon., Tue., Thurs. 8:00a-5:00p • Wed. 8:00a-7:00p • Fri. 8:00a-12:00 noon. Subject to change

The Financial Aid Office administers federal and state student aid programs designed to assist students who are unable to meet the cost of education. These programs include the California College Promise Grant Fee Waiver, Cal Grant programs, Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Work-Study and Direct Student Loans. Since the application process can take a number of weeks, students are encouraged to complete the FAFSA or Dream Act in early Spring (January-May) for the following Fall semester. Financial Aid applicants will be notified if any additional documents are needed to complete their application.

REMINDER: IT IS NOT TOO LATE TO APPLY! You may still qualify for financial aid for Fall and Spring. Complete the FAFSA or Dream Act now! Contact the Financial Aid Office for further details.

HEALTH AND WELLNESS CENTER
Johnson Student Center, JSC-110
714-564-6216 – Hours: Monday – Thursday 8:00a - 5:00p • Fri. 8:00a - 12:00p
Email: SACHealth_Center@sac.edu

Please see the Catalog, visit sac.edu/StudentServices/HealthCenter

The Health and Wellness Center personnel promotes the physical and emotional health for every student so they can succeed in school and life. Quality clinical services, innovative health and wellness promotion activities, and outside referrals to low-cost providers in the area are provided in a caring, confidential, cost-effective, and convenient manner. Both face-to-face and Telehealth options are available for students.

Eligibility: Full-time and part-time students currently enrolled in credit classes are eligible for services.

Cost: Students pay a health fee every term to have access to the Health and Wellness Center; therefore, most services are provided at no cost to the student. A nominal fee may be charged for certain laboratory tests, prescriptive medications, and some medical procedures.

Please see the Catalog, visit sac.edu/StudentServices/HealthCenter
Come to J-110 or call 714-564-6216 for more detailed information.
LEARNING CENTER
All services in FALL 2021 are online through Canvas.
714-564-6569

Hours: Mon-Thu. 10:00am-7:00pm • Fri. 11:00am-4:00pm • Sat. 12:00-3:00pm
The Learning Center offers a wide selection of services including tutoring for a variety of subjects (English, math, science, etc.), workshops, DOTAs (Directed Online Tutoring Activities), and Conversation Circles to practice English speaking skills. Modern language tutoring is available at posted hours; tutoring for other subjects (except for writing tutoring) is by appointment only. Appointments can be made through Starfish or by calling the Learning Center. Writing tutors are available without an appointment to provide feedback on papers for any SAC or SCE class. To use the Learning Center, please go to the website at sac.edu/learningcenter and follow the directions to register on WebAdvisor. After registering, click the link in Step 2 on the Learning Center website; students can then access the Learning Center Online Tutoring class in Canvas. In Canvas, students will be able to access the Virtual Front Desk where a staff member will answer questions and direct students to tutors. On the Canvas homepage are also links to DOTAs, subject tutoring, and information about workshops and conversation circles. Services are free to all SAC and SCE students. For more information or assistance, call the number listed above or email learningcenter@sac.edu.

MATH CENTER
Library Building L-204 (714) 564-5405
Lehman_candice@sac.edu
sac.edu/MathCenter

Spring Hours: Mon-Thur: 9:00am to 7:50pm | Friday: 10:00am–12:50pm | Saturday: 12:00pm–3:50pm
Free, walk-in tutoring & Math Workshops available to all SAC, CEC, and Middle College students. Math textbooks available for student use (in Math Center only.)
Graphing Calculators available for loan (with instructor permission only.)

MESA (MATH, ENGINEERING, & SCIENCE ACHIEVEMENT)
714-564-6373
Available Online at sac.edu/MESA

Library Building, Room L-206
MESA is an academic program designed to support educationally disadvantaged students to excel in math, engineering, and science so they can transfer to four-year institutions and prepare for professions in the Science, Technology, Engineering, and Math (STEM) fields. Services include tutoring, advisement, academic success workshops, book loans, study center, connection to professionals, and assistance finding scholarships and internships.

NEALLEY LIBRARY
Nealley Library Remote Services
Hours: Mon. - Thur. 7:30a to 9:30p • Fri. 9:00a to 1:00p • Sa. 10:00a to 2:00p • Sun. Closed
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.
SANTANA COLLEGE – SPRING 2022

SAC PROMISE
Administration Building, Room S-107
Hours: Mon.-Wed. 8:00a-7:00p • Thur. 8:00a-5:00p • Friday 8:00 a-12:00 p
Santa Ana College (SAC) Promise is an initiative of the Santa Ana Partnership, which was formed in 2011 by the UCI, CSUF, SAC, SAUSD and the City of Santa Ana to elevate academic achievement and college-going throughout the greater Santa Ana area. The goal of the program is to support students who would like to attain a certificate, AA degree and/or transfer to a four-year university.
Contact:
Phone: 714-564-6067
Email: sacpromise@sac.edu
Remote services through Zoom during office hours
sac.edu/StudentServices/SantaAnaCollegePromiseProgram/Pages/Contact-Us-Online.aspx

SCHOLARSHIP PROGRAM
Administration Building, S-201
714-564-6478
Hours: Mon.-Thur. 8:30a-5:00p • Fri. 9:00a-2:00p
The Scholarship Program is a resource for local and national scholarships. The Scholarship Program offers scholarships for incoming, continuing, and graduating/transferring students. The online scholarship application opens during the first week of November and closes early/mid February. Basic guidelines for scholarship applications are: current enrollment in at least 6 units at SAC, a minimum GPA of 2.0, and completion of at least 12 units at SAC. Each May, scholarship recipients are announced at the Scholarship Awards Ceremony and funds are available for the following fall semester. Scholarship and application information can be found at sac.edu/scholarships.
The Scholarship Program is available to work with interested individuals, businesses, and corporations to establish new scholarships. For more specific information about the Scholarship Program, contact the Scholarship Program directly at 714-564-6478 or at sac.edu/scholarships.

SCIENCE CENTER
Science Center SC-103
All Biology, Chemistry, Earth Science, Geology, and Physics students
• Quiet place to study
• Anatomy models for viewing and studying
• Anatomy bones for viewing and studying
• Microscopes and slides
• Facilitator assistance

SERVICE LEARNING
Library Building, Room L-222
714-564-6254
The Service Learning Center is responsible for developing, implementing, and administering comprehensive programs and activities related to community service volunteerism, community partnerships, and service learning. The program connects with many local nonprofit agencies, each of which offer numerous volunteer opportunities. Students then match their skills and interests to the needs of the community agencies and gain valuable personal experience. Many instructors utilize service learning as a course requirement in order to connect student classroom learning with real life experience.

STUDENT OUTREACH
714-564-6141
studentoutreach@sac.edu
sac.edu/outreach
Hours: Mon, Tues, Thurs, Fri 8:00am-5:00pm • Wed 8:00am-7:00pm
• Student Outreach attracts and recruits new students to Santa Ana College and supports current students as they continue at SAC:
• Application information & support
• Financial Aid & CA Promise Grant application information & support
• Web Advisor, Online Orientation, & Canvas information & support
• Scholarship application information & support
• Class registration information & support
• Tours
• Student Ambassador assistance
To reach Outreach staff remotely, call, email or go to our website and click on “Live Chat with Student Outreach”.
STUDENT PLACEMENT
Johnson Student Center, JSC-203
714-564-6201
Hours: Mon.-Thur. 9:00a-3:00p
Email: jobplacement@sac.edu
The Student Placement Office assists currently enrolled students in obtaining on-campus student assistant/work study employment.

TRiO – STUDENT SUPPORT SERVICES PROGRAM
Johnson Student Center , JSC-209
Hours: Mon.-Thur. 8:00a-5:30p • Fri. 8:00a-12:00 noon
714-564-6843
sac.edu/sssp
Email: trio_sssp@sac.edu
The Student Support Services Program (TRiO-SSS) is a federally-funded program designed to improve the retention, transfer and graduation rate of low-income, first-generation and disabled college students. The TRiO-SSS program provides students with academic, personal and career counseling, tutoring, specialized workshops, field trips and assistance in transferring to a four-year university. Students need to apply to the program for services.

UNIVERSITY TRANSFER CENTER
Administration Building, Room S-110
714-564-6165
Hours: Mon.-Wed. 8:00a-7:00p • Thur. 8:00a -5:00p. • Fri 8:00a -12:00p
The University Transfer Center (UTC), which is located in S-110 at Santa Ana College, provides information and assistance to students who are preparing to transfer to a four-year university of their choice. UTC has designated counseling appointments and services for transfer bound students. During the fall and spring semesters, the University Transfer Center hosts College Fairs with representatives from California and out-of-state colleges and universities who provide admissions information to potential students. University representative appointments are also available for students as well as an up-to-date resource library and other information about transfer programs. The University Transfer Center also hosts transfer application workshops which are offered during priority filing periods. In addition, field trips to various university campuses are offered throughout the academic school year.
Contact information:
Phone: 714-564-6165
Email: transfer_center@sac.edu
Remote services through Zoom during office hours
sac.edu/StudentServices/Counseling/Transfer/Pages/default.aspx

VETERANS RESOURCE CENTER (VRC)
Located in M-120
sac.edu/StudentServices/VRC
714-564-6050
Hours: Mon. - Tue. - Thur. 8:00a - 6:00p • Wed. 8:00a-7:00p • Fri. 8:00a-12:00 noon
The Veterans Resource Center provides support and referrals to veterans transitioning into the college. Services include: assistance with registration, referrals to on-campus and off-campus resources, academic counseling, access to computers, peer mentoring and educational workshops. Services are provided by veterans for veterans.
What can Veterans and eligible dependents do at the VRC?
• Receive information on how to use their VA Education benefits at Santa Ana College.
• Receive help in filling out VA Education Benefit Applications.
• Turn in paperwork for VA Education Benefits.
• Receive referrals and information regarding other campus resources such as Admissions & Records, Financial Aid, EOPS, Counseling, DSPS, Health & Wellness Services, Career/Job Center, Scholarships, Tutorial Services, Transfer Center, etc.
• Receive information about outside campus resources for Veterans and families.
• Receive help filling out Financial Aid Applications and check status online via zoom or Cranium Cafe.
• Meet with an Academic Counselor for academic counseling needs via Zoom, Cranium or phone appointments.
• Receive information and participate in the Veterans Upward Bound and Veteran Student Support Services college preparation program.
• Book Loans are available to those who are eligible for VA Benefits. Please speak with a VRC staff member for details.
• Enjoy camaraderie among veterans- through our online mentorship program
• Participate in VRC events
SAC 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, Online & On-Campus Meetings, and Virtual Hybrid classes:

- Access to classes will be available on Canvas, rsccd.instructure.com, 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 WebAdvisor.
- On campus required meeting dates, time and place, and instructor contact information can be found on WebAdvisor sac.edu/webadvisor
- Information regarding online learning, Canvas help and Frequently Asked Questions can be found at our website: sac.edu/disted
- 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
- 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.
- Classes listed with a (ZTC) symbol use free course materials.

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**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.
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2nd 8 Week - Accelerated Courses
April 11 – June 5, 2022
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2nd 8 Week - Accelerated Courses
April 11 – June 5, 2022
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<td>11:10a-12:25p</td>
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HONORS COURSES SPRING 2022

The Honors Transfer Program at Santa Ana College welcomes students who want to challenge themselves to make the most of their academic opportunities here at Santa Ana College. We offer seminar style courses with close interaction among students and faculty, opportunities to do specialized individual honors contract projects, and specialized transfer agreements with many universities and colleges. In 2018, over 90% of the Honors Transfer Program students who applied through the UCLA TAP honors transfer agreement were accepted. UCI accepted 17 SAC Honors Transfer Program students straight into UCI through Honors to Honors.

For more information on Honors Classes or the Honors Transfer Program at SAC, contact Coordinator Kathy Patterson (714) 564-6528 D-428 or Counselor Haydee Gonzalez (714) 564-6120 S-110. You may preregister if you meet the prerequisite requirements.

COMMUNICATION STUDIES (CMST)

CMST 206H, HONORS GENDER COMMUNICATION 3.0 UNITS
An enriched approach in practical application, techniques, and in-depth analysis of male and female communication regarding language usage, biological and social influences, mass media, marriage, organizations, same sex/cross sex friendships, and education. Students will be required to do individual/group professor-guided research.

<table>
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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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ENGLISH (ENGL)

ENGL 101H, HONORS FRESHMAN COMPOSITION 4.0 UNITS
An enriched exposure to expository and argumentative essays and the research paper, requiring in-depth analysis of issues and substantive treatment of student-selected topics.

Prerequisite: A college GPA or high school GPA for first-term college students of 3.0 or higher AND completion with a grade of "C" or better in EMLS 112, or ENGL 061X, or ENGL 061, or qualifying profile from English placement process.

<table>
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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.

Prerequisite: 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 completion with a grade of "C" or better in ENGL 101, or ENGL 101H

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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.

Prerequisite: Cumulative GPA of 3.0 or higher in college work (or high school for first-term students) and completion with a "C" or better of ENGL 101, or ENGL 101H

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HISTORY (HIST)

HIST 102H, HONORS WORLD CIVILIZATIONS SINCE THE 16TH CENTURY 3.0 UNITS
An enriched approach designed for honors students with emphasis on individual research as well as small group analysis of historical problems. Broad historical study of world civilizations and their interrelationships from the 16th century to the present. Ideas, institutions, personalities, and artistic achievements which have contributed to present day society.

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<tr>
<th>CRN</th>
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<th>Type</th>
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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.
HONORS COURSES SPRING 2022 (continued)

HIST 121H, HONORS THE UNITED STATES SINCE 1865 3.0 UNITS
Seminar-style, content-enriched course for honors students exploring a critical analysis of American history including industrial and technological development, the changing nature of society, cultural patterns, domestic politics, artistic attainments, and America’s expanded world role.

05037 10:05a-11:30a Tu Th Medina M D-209 Full Semester

HIST 124H, HONORS MEXICAN AMERICAN HISTORY IN THE UNITED STATES 3.0 UNITS
Enriched and intensive survey of Mexican American history in the U.S. from the Pre-Columbian period to the present. Utilizing a seminar approach, emphasis on Mexican American contributions to the political, social, economic, and cultural development of the U.S. Will also examine the relationship of Mexican Americans to other cultural groups.

05046 8:30a-9:55a Tu Th Guzman K D-209 Full Semester

MUS 102H, HONORS WORLD MUSIC 3.0 UNITS
An enriched, in-depth study of music from Asia, Africa, the Middle East, Europe, and the Americas. Seminar-style critical investigation of the interconnections of style, culture, and aesthetics to promote enjoyment and understanding of world music.

08627 8:30a-9:55a M W Marr J N-114 Full Semester

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.

04964 7:50a-10:05a M W Fish Z D-103 Full Semester

PSYC 100H, HONORS INTRODUCTION TO PSYCHOLOGY 3.0 UNITS
Seminar-style, content enriched course for honors students exploring 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.

04998 Yimenu B ONLINE 02/07-04/03

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.

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.

04440 Galvan 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. This class requires the text "Puntos de partida" with the electronic code for online lab materials.

04450 Guerrero-Phlaum M 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. This class requires the text "Puntos de partida" with the electronic code for online lab materials.

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ON-CAMPUS: On-Campus Instruction - On-campus and in-person with scheduled meeting days and times.
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.
ACCT 010, ACCOUNTING PROCEDURES 3.0 UNITS
This course introduces the students to the accounting cycle including journal entries, general ledger, the adjustment process, and the related financial statements. The course is designed to prepare students for Accounting 101 and/or occupations in bookkeeping.

07271  Jarjoura R  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.

ACCT 032, PAYROLL ACCOUNTING 2.0 UNITS
This course covers accounting for payroll and worker’s compensation. Calculation of payroll, payroll taxes, and the related forms and deposit requirements are covered.

07272  Wong S  ONLINE  02/07-04/03
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.

07273  Sung L  ONLINE  04/11-06/05
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 035, QUICKBOOKS I 2.0 UNITS
This is an introductory course on using Quickbooks software in the business environment for preparation of accounting information. The course will cover accounting theory and practical knowledge of QuickBooks on topics that include company file setup, customizing QuickBooks, recording customer and vendor transactions, bank reconciliations, creation of accounting reports and customization.

07275  6:00p-10:15p  Tu  Jarjoura R  A-108  02/07-04/03
This class meets on-campus. Students may not use a MAC computer in this course. The course is designed for PC only. The Desktop version of the software must be used and is provided in the text.

07274  McCallick M  ONLINE  02/07-04/03
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. Students may not use a MAC computer in this course. The course is designed for PC only. The Desktop version of the software must be used and is provided in the text.

ACCT 036, QUICKBOOKS II 2.0 UNITS
This is an intermediate course on using Quickbooks software in the business environment for preparation of accounting information. Students will cover accounting theory and practical knowledge of QuickBooks on more advanced topics such as inventory management, time and billing, payroll setup, payroll processing, estimates and adjustments and year-end procedures. This course will assist in preparing students for the QuickBooks Certified User exam.

07277  6:00p-10:15p  Tu  Jarjoura R  A-108  04/11-06/05
This class meets on-campus. Students may not use a MAC computer in this course. The course is designed for PC only. The Desktop version of the software must be used and is provided in the text.

07276  McCallick M  ONLINE  04/11-06/05
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. Students may not use a MAC computer in this course. The course is designed for PC only. The Desktop version of the software must be used and is provided in the text.

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.

07287  7:50a-9:55a  Tu Th  Sung L  A-211  Full Semester
This class meets 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.

07289  10:05a-12:10p  M W  McCallick M  A-209  Full Semester
This class meets on-campus.
07278
Trone J  ONLINE  02/07-04/03
Fully Online instruction with proctored exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. http://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.

07279
Trone J  ONLINE  02/07-04/03
Fully Online instruction with proctored exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. http://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.

07280
Wilson S  ONLINE  04/11-06/05
Fully Online instruction with proctored exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. http://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.

07283
Staff  ONLINE  04/11-06/05
Fully Online instruction with proctored exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. http://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.

07285
McCallick M  ONLINE  Full Semester
Fully Online instruction with proctored exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. http://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.

07286
Sung L  ONLINE  Full Semester
Fully Online instruction with proctored exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. http://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.

07288
Erlandson S  ONLINE  03/07-06/05
Fully Online instruction with proctored exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. http://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.

07975
Hoekstra T  ONLINE  Full Semester
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.

07977
Trone J  ONLINE  Full Semester
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.

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.

07290
7:50a-9:55a  M W  McCallick M  A-209  Full Semester
This class meets on-campus.

07291
6:00p-9:00p  W  Strong J  HYBRID  A-211  Full Semester
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 This class will require proctored exams using software. Students must have access to a webcam and a microphone. 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: 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.
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.

07292  
07293  
07294  
07295  
07296  

Fully Online instruction with proctored exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. http://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.

Online Degree Pathway course. Registration is open for all students.

ACCT 106, 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

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

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

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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.

Free Textbooks
Low Cost or OER
ZTC
Honors Courses:
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 understand role of internal controls. Prerequisite: Accounting 101 with a minimum grade of C.

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.

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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There will be no instructional meetings. There is no additional textbook cost for this ZTC class.

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There will be no instructional meetings. 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>04788</td>
<td>Ayala E</td>
<td>1:15p-3:20p Tu Th</td>
<td>D-102</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04790</td>
<td>McCrory R</td>
<td>1:15p-3:20p Tu Th</td>
<td>D-102</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

ASL 113, INTRODUCTION TO INTERPRETING FOR THE DEAF  
3.0 UNITS
The study of the history of sign language interpreting and the theoretical foundations and technical skills needed to interpret in professional settings for deaf and hard-of-hearing children and adults. The roles, responsibilities, and ethics of interpreters providing interpreting services in various professional settings will be examined. Students are required to attend two off campus events. Prerequisite: American Sign Language 210 with a minimum grade of C.

<table>
<thead>
<tr>
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<th>Location</th>
<th>Type</th>
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<tbody>
<tr>
<td>04791</td>
<td>McCrory R</td>
<td>1:15p-3:20p Tu Th</td>
<td>D-102</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

ASL 114, CLASSIFIERS, FINGERSPELLING, AND NUMBERING  
3.0 UNITS
This course is designed to provide specialized instruction in the continued development of skills and application of expanded conceptualization of American Sign Language (ASL) classifiers, fingerspelling, and numbering concepts and further exploration and understanding of American Deaf culture. Expressive and receptive techniques will be emphasized. Students are required to attend one off campus event. Prerequisite: American Sign Language 210 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Location</th>
<th>Type</th>
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</thead>
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<tr>
<td>04792</td>
<td>Smith E</td>
<td>1:15p-3:20p Tu Th</td>
<td>D-102</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

ASL 116, INTRODUCTION TO DEAF STUDIES  
3.0 UNITS
This is an introductory course exploring the cultural, educational, linguistic, and audiological experiences of people who are deaf, hard of hearing, deaf/blind, and late-deafened in America. Students will be exposed to historical and current perspectives in trends, philosophies, ideologies, and the Deaf community as a subculture of American society.

<table>
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<th>Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>04794</td>
<td>Arazzi H</td>
<td>1:15p-3:20p Tu Th</td>
<td>D-102</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

| ENRICHMENT OPTIONS |

- **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**/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.
ASL 210, AMERICAN SIGN LANGUAGE III  4.0 UNITS
The third course in the study of American Sign Language (ASL) emphasizes advanced ASL syntax, non-manual markers, vocabulary, and fingerspelling enabling students to participate in more complex conversations with Deaf community members. Students will have emphasis on expressive skills in narrative form. Students are required to attend at least one off campus event. Prerequisite: American Sign Language 111 with a minimum grade of C.

04831  Arazi H  ONLINE  02/07-04/03
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 211, AMERICAN SIGN LANGUAGE IV  4.0 UNITS
This course continues the study and development of American Sign Language receptive and expressive linguistic competence. Emphasis on production/conversational skills in American Sign Language, along with continued focus on grammatical and cultural features. Students are required to attend at least one off campus event.
Prerequisite: American Sign Language 210 with a minimum grade of C.

04833  Gamache D  ONLINE  04/11-06/05
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.

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.

05094  Evans T  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. 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.

05107  Evans T  ONLINE  04/11-06/05
Online Degree Pathway course. Registration open to all students. 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.

05126  Plascencia M  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.

05131  Cundiff W  ONLINE Staff ZOOM Full Semester
10:05a-11:30a  Tu Th
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.

05134  Cheetham D  ONLINE Staff ZOOM Full Semester
6:00p-9:10p  Tu
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.
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.

05128 10:05a-11:30a M W Leroy A ZOOM Full Semester
Ulink Program: Section 05128 is linked with ENG-H 103 section: 04756, CNSL-128, section: 07186. Enrollment in all sections is mandatory. 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. Ulink Program: Linked with ENGL 103H, section 04756: and CNSL 128, section #07185: Enrollment in all sections is mandatory.

05111 Robertson M 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.

05114 Cundiff W ONLINE 04/11-06/05
Online Degree Pathway course. Registration open to all students. 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.

05125 8:30a-9:55a M W Staff ZOOM Full Semester
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.

05129 11:40a-1:05p M W Staff ZOOM Full Semester
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.

05132 Robertson M 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.

05133 11:40a-1:05p Tu Th Staff ZOOM Full Semester
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.

05135 6:00p-9:10p Tu Staff ZOOM Full Semester
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.

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.

05117 Robertson M ONLINE Full Semester
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.

05120 1:15p-4:25p W Staff ZOOM Full Semester
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.

05122 6:00p-9:10p W Staff ZOOM Full Semester
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.
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.

ART 009, ART LAB 0.5 UNIT
An open lab for studio art students for the purpose of devoting additional hours outside of class time on projects. Projects, determined by class assignments, vary by semester. Twenty-four lab hours per semester earn .5 unit.

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.

ANTH 104, LANGUAGE AND CULTURE 3.0 UNITS
General introduction to the processes of human communication, emphasizing coextensive aspects of language and culture. Surveys core areas of linguistic anthropology: structural linguistics; biological basis of language; and sociolinguistics. Topics include acquisition of first and second languages, languages in contact, and the effects of both language and culture on inter/intra group communication. Languages spoken in the local area are used as basis of study.

OTHER COURSES

ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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LOW COST OR FREE TEXTBOOKS

HONORS COURSES:
SANTA ANA COLLEGE – SPRING 2022

08883  4:20p-7:30p  Th  Spies B  A-210  Full Semester
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.

08880  ONLINE  02/07-04/05
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.

08899  ONLINE  02/07-04/03
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.

08890  ONLINE  02/07-04/03
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.

08892  ONLINE  Full Semester
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.

08893  ONLINE  04/11-06/05
Online Degree Pathway course. Registration open to all students. 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.

08894  ONLINE  02/07-04/03
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.

08910  ONLINE  Full Semester
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.

08914  ONLINE  04/11-06/05
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.

08915  ONLINE  Full Semester
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.

08916  ONLINE  04/11-06/05
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.

Canvas.sac.edu

Students are required to log in to Canvas by the first day of class for detailed information and required course work. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

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Zero Textbook Cost (ZTC)
Open Educational Resources (OER)
Low Cost or Free Textbooks
Honors Courses: HONORS
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Format</th>
<th>Contact Hours</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>Wilson E</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>SURVEY OF WESTERN ART HISTORY I: PREHISTORY THROUGH THE MIDDLE AGES</td>
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<tr>
<td>ART 102</td>
<td>Monroe J</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>SURVEY OF WESTERN ART HISTORY II: RENAISSANCE TO TODAY CENTURY</td>
</tr>
<tr>
<td>ART 104</td>
<td>Soriano I</td>
<td>ZOOM</td>
<td>Full Semester</td>
<td>MEXICAN AND CHICANO ART HISTORY</td>
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<tr>
<td>ART 105</td>
<td>Hostetter D</td>
<td>HYBRID</td>
<td>Full Semester</td>
<td>HISTORY OF MODERN ART</td>
</tr>
<tr>
<td>ART 106</td>
<td>Stone L</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>ASIAN ART HISTORY</td>
</tr>
<tr>
<td>ART 110</td>
<td>Hostetter D</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>TWO-DIMENSIONAL DESIGN</td>
</tr>
</tbody>
</table>

**Online Instructions:**

- **FULLY ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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- **HYBRID:** On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction
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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

**Recommended Preparation:**

- Completion of or concurrent enrollment in English 101 or English 101H
- English 101 or English 101H
- Completion of or concurrent enrollment in English 101 or English 101H

**Low Cost or Free Textbooks**

- **OER**
- **ZTC**

**Honors Courses:**

- **HONORS**
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.

C 08936
10:05a-10:55a M W Dufala C C-106 Full Semester
11:05a-11:10p M W Dufala C C-106 Full Semester

O 08937
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 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.

C 08944
10:00a-10:50a Tu Th Foster E C-210 Full Semester
11:00a-11:55a Tu Th Foster E C-210 Full Semester

C 08942
1:15p-2:05p M W Dufala C C-106 Full Semester
2:15p-3:20p M W Dufala C C-106 Full Semester

O 08938
1:15p-3:20p M W Hostetter D HYBRID Full Semester

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

O 08943
Hostetter D ONLINE Full Semester

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 131, BEGINNING LIFE DRAWING 3.0 UNITS
Introduction to drawing the human form by observing live models for studies in anatomy, structure, and composition. Exposure to traditional and contemporary figurative drawing while exploring media and methods. Required for art majors.

Recommended Preparation: ART 130 with a minimum grade of C.

C 09032
10:00a-10:50a M W Hower T C-210 Full Semester
11:00a-11:55a M W Hower T C-210 Full Semester

C 09033
4:30p-5:20p Tu Th Jones A C-210 Full Semester
5:30p-7:20p Tu Th Jones A C-210 Full Semester

ART 133, INTRODUCTION TO GALLERY PRODUCTION 2.0 UNITS
Introduction to the practices of art exhibit preparation and installation. Students will gain knowledge in the history and theory of art exhibition, as well as the current state of gallery management and museum work. Emphasis is on learning and utilizing industry-standard terminology, materials and tools. Students will move from observation to practical experience as they support the daily operations and special events of two college galleries.

09039
3:00p-4:00p W Marquez P HYBRID Full Semester
Staff C-101

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

ART 134, INTERMEDIATE GALLERY PRODUCTION 2.0 UNITS
An intermediate course designed to build on knowledge and skills gained in Art 133. Students have opportunities to increase experience with new exhibitions and installations. Emphasis is on solving art gallery problems using current industry-standard communication and practices. Visits to local galleries and behind-the-scenes museum tours of collections and exhibition preparation areas. Students will also use woodshop equipment to build pedestals as well as draft an exhibition proposal and artwork layout. Prerequisite: Art 133 with minimum grade of P.

09040
3:00p-4:00p W Marquez P HYBRID Full Semester
Staff C-101

Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas canvas.sac.edu.
ART 135, ADVANCED GALLERY PRODUCTION  
2.0 UNITS
Students produce a unique exhibition on campus using knowledge and skills gained in Art 133 and 134. Emphasis will be on independently curating, designing, lighting, writing didactic material, and publicizing their exhibition.  
Prerequisite: Art 134 with minimum grade of P

<table>
<thead>
<tr>
<th>Code</th>
<th>Instructor</th>
<th>Format</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>09041</td>
<td>Marquez P</td>
<td>HYBRID</td>
<td>W</td>
<td>3:00p-4:00p</td>
<td>C-101</td>
</tr>
</tbody>
</table>

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

ART 140A, WATERCOLOR PAINTING  
2.0 UNITS
Introduction to watercolor painting as a creative art form with emphasis on transparent watercolor techniques. Course includes principles of composition and color theory, materials selection, tools, terminology, and various watercolor techniques. Students develop basic watercolor skills while painting from simple forms and progressing to a variety of subjects.

<table>
<thead>
<tr>
<th>Code</th>
<th>Instructor</th>
<th>Format</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>09042</td>
<td>Orr E</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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</td>
<td></td>
</tr>
</tbody>
</table>

ART 140B, WATERCOLOR PAINTING  
2.0 UNITS
A continuing course in transparent watercolor techniques providing the opportunity to advance the creativity of those with basic skills in watercolor. Further study of formal elements and composition while painting from varied subject matter. Emphasis on refinement of methods and techniques for more expressive painting.  
Prerequisite: Art 140A with a minimum grade of C.

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<thead>
<tr>
<th>Code</th>
<th>Instructor</th>
<th>Format</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>09043</td>
<td>Orr E</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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</td>
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</tr>
</tbody>
</table>

ART 141, BEGINNING PAINTING  
3.0 UNITS
Introduction to acrylic and/or water soluble oil painting as a creative art form with exposure to historical, traditional and contemporary painting styles. Course includes principles of composition and color theory, materials selection, tools, terminology, and techniques. Students develop basic skills painting a variety of subjects. Required for art majors. 
Recommended Preparation: Art 110 or Art 130 with a minimum grade of C.

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<tbody>
<tr>
<td>09046</td>
<td>Orr E</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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</td>
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</tr>
<tr>
<td>09859</td>
<td>Orr E</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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</td>
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</tbody>
</table>

ART 143, LANDSCAPE WATERCOLOR  
2.0 UNITS
Intermediate course in transparent watercolor using the Southern California landscape as studio and subject for paintings. Explores a variety of techniques, papers, brushes, and pigments. Further study of compositional/conceptual elements leading to development of individual expression.  
Prerequisite: Art 140A with a minimum grade of C.

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<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>09044</td>
<td>Orr E</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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</td>
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</tr>
</tbody>
</table>

ART 151, CERAMICS-INTRODUCTORY LEVEL  
3.0 UNITS
Exploration of clay as a structural and creative material. Experiences include throwing on the potter’s wheel and hand building. Instruction includes surface design, glazing, and experience in utilitarian forms. Students provide clay and tools. 
Material Fee(s): $8.00

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<tr>
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<th>Time</th>
<th>Location</th>
</tr>
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<tbody>
<tr>
<td>09049</td>
<td>Dufala C</td>
<td>Full Semester</td>
<td>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</td>
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<tr>
<td>09058</td>
<td>Dufala C</td>
<td>Full Semester</td>
<td>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</td>
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</tr>
</tbody>
</table>

ART 152, CERAMICS-INTERMEDIATE THROWING  
3.0 UNITS
Further study of wheel thrown techniques with an emphasis on functional, utilitarian forms. Students provide own clay and tools.  
Prerequisite: Art 151 with a minimum grade of C.

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<tr>
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<td>C-105</td>
<td>Tu Th</td>
<td>1:15p-2:05p</td>
<td>C-105</td>
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<tr>
<td>09049</td>
<td>Dufala C</td>
<td>C-105</td>
<td>Tu Th</td>
<td>2:15p-4:20p</td>
<td>C-105</td>
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<tr>
<td>09058</td>
<td>Dufala C</td>
<td>C-105</td>
<td>Tu Th</td>
<td>5:55p-6:45p</td>
<td>C-105</td>
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<tr>
<td>09058</td>
<td>Dufala C</td>
<td>C-105</td>
<td>Tu Th</td>
<td>6:55p-9:00p</td>
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</table>

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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.
ART 153, CERAMICS-INTERMEDIATE HANDBUILDING 3.0 UNITS
Further study of handbuilding techniques with emphasis on one-of-a-kind sculptural forms. Non-traditional alternatives to glazes are explored. Students provide own clay and tools.
Prerequisite: Art 151 with a minimum grade of C.

Material Fee(s): $8.00

C 09059 5:55p-6:45p Tu Th Dufala C C-105 Full Semester
6:55p-9:00p Tu Th Dufala C C-105

ART 155, PLASTER MOLD MAKING 3.0 UNITS
Basic aspects of plaster of Paris mold making; production of molds from original models in order to reproduce those models; alteration of those plaster mold castings into a more artistic, personalized imagery.
Prerequisite: Art 151 with a minimum grade of C.

Material Fee(s): $8.00

C 09060 5:55p-6:45p Tu Th Dufala C C-105 Full Semester
6:55p-9:00p Tu Th Dufala C C-105

ART 156, CLAY CALCULATION: AN APPROACH IN COLOR STUDY 3.0 UNITS
Basic uses of color clays as a decorative tool in making pottery forms. Techniques of sprigging, incising, inlay, and lamination are utilized with wheel-thrown, handbuilding, and plaster mold construction methods.
Prerequisite: Art 151 with a minimum grade of C.

Material Fee(s): $8.00

C 09061 5:55p-6:45p Tu Th Dufala C C-105 Full Semester
6:55p-9:00p Tu Th Dufala C C-105

ART 157, CERAMICS-RAKU AND SAGGAR FIRING TECHNIQUES 3.0 UNITS
Use of the potter's wheel and/or handbuilding techniques as methods for constructing vessel forms. Includes a study of surface coloration from natural organic materials. Several firing techniques will be utilized.
Prerequisite: Art 151 with a minimum grade of C.

Material Fee(s): $8.00

C 09062 5:55p-6:45p Tu Th Dufala C C-105 Full Semester
6:55p-9:00p Tu Th Dufala C C-105

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

O 09052  Nielsen C ONLINE Full Semester
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

O 09053  Synicky C ONLINE Full Semester
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 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.

C 08948 10:00a-10:50a Tu Th Foster E C-210 Full Semester
11:00a-1:00p Tu Th Foster E C-210

C 08946 1:15p-2:05p M W Dufala C C-106 Full Semester
2:15p-4:20p M W Dufala C C-106

O 08945  Hostetter D ONLINE Full Semester
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 231, INTERMEDIATE LIFE DRAWING 3.0 UNITS
Continued experience in drawing from the live model with opportunity for development of self-expression. Further exploration of media and techniques.
Prerequisite: Art 131 with a minimum grade of C.

09034 10:00a-10:50a M W Hower T C-210 Full Semester
11:00a-1:05p M W Hower T C-210

09036 4:30p-5:20p Tu Th Jones A C-210 Full Semester
5:30p-7:35p Tu Th Jones A C-210

ART 232, ADVANCED LIFE DRAWING 3.0 UNITS
Intensive study of the human figure with further advanced level development of drawing skills, composition, technique, and media utilizing the live model. Projects vary each semester.
Prerequisite: Art 231 with a minimum grade of C.

09035 10:00a-10:50a M W Hower T C-210 Full Semester
11:00a-1:05p M W Hower T C-210

09037 4:30p-5:20p Tu Th Jones A C-210 Full Semester
5:30p-7:35p Tu Th Jones A C-210

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.

08952 10:00a-10:50a Tu Th Foster E C-210 Full Semester
11:00a-1:05p Tu Th Foster E C-210

08951 1:15p-2:05p M W Dufala C C-106 Full Semester
2:15p-4:20p M W Dufala C C-106

08949 1:15p-3:20p M W Hostetter D HYBRID Full Semester
Hybrid instruction. A combination of online instruction and on-campus Lab meetings during the days and times indicated. Students log in to Canvas canvas.sac.edu.

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 240, INTERMEDIATE WATERCOLOR 2.0 UNITS
An intermediate level course providing for continuing development of watercolor painting skills. Further refinement of media, technique and expression of style through more advanced painting projects. Subject matter content includes still life, landscape, figurative studies, abstraction, and individual creative expression. Traditional and non-traditional approaches.
Prerequisite: Art 140B with a minimum grade of C.

09045 Orr E ONLINE Full Semester
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 241, INTERMEDIATE PAINTING 3.0 UNITS
An intermediate level class designed to promote and advance the creative development of those with basic skills in water-soluble oil and/or acrylic painting. Opportunity for further study of historical and contemporary references and to increase experience with new media, methods, and techniques. Emphasis on artistic expression and individual creative problems.
Prerequisite: Art 141 with a minimum grade of C.

09047 Orr E ONLINE Full Semester
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
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Honors Courses:
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ART 242, ADVANCED PAINTING 3.0 UNITS
An advanced level studio course providing opportunity for further refinement of painting skills with increasing exposure to contemporary styles. Emphasis on research and individual creative problems in painting. Exploration into a personal mode of expression through development of media, technique, and style. Classroom studio use of oils limited to water-soluble oil paint only.
Prerequisite: Art 241 with a minimum grade of C.

ART 243, PORTRAIT AND LIFE PAINTING 3.0 UNITS
Painting of the human form with study of portraiture and anatomy. Compositions in representation of the life model through interpretive studies in watercolor, pastels, water soluble oil, and acrylic. Study of traditional and contemporary methods and directions.
Prerequisite: Art 131 or Art 141 with a minimum grade of C.

ART 251, CERAMICS-ADVANCED THROWING AND HANDBUILDING 3.0 UNITS
Study of thrown and handbuilt sculptural forms. Exploration of decoration and glaze techniques and incorporation of non-traditional materials such as metal/wood/plastics/paints.
Prerequisite: Art 152 with a minimum grade of C.

ASTRONOMY (ASTR) 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.

ASTR 109, INTRODUCTION TO THE SOLAR SYSTEM 3.0 UNITS
Surveys the development of astronomy, current research and observations of stars, galaxies, and large-scaled structures in the universe. Exploration of light and gravity to understand the properties and evolution of stars, neutron stars, black holes, galaxies, and the universe's structures and changes.

ASTR 110, INTRODUCTION TO STARS AND GALAXIES 3.0 UNITS
Surveys the development of astronomy, current research and observations of stars, galaxies, and large-scaled structures in the universe. Exploration of light and gravity to understand the properties and evolution of stars, neutron stars, black holes, galaxies, and the universe's structures and changes.

ASTR 140, ASTRONOMY LABORATORY 1.0 UNIT
Utilizes experimental techniques to explore and comprehend properties and motions of celestial objects. Basic naked-eye, binocular, and small telescope observing techniques will be introduced. Field trips to local planetaria and dark sky locations may be included.
Prerequisite: Astronomy 109 or 110 or 110H with a minimum grade of C or concurrent enrollment.
SANTA ANA COLLEGE – SPRING 2022 Page 61

AUTO 108, AUTOMOTIVE ELECTRICAL OPERATION 3.0 UNITS
This course will focus on the function and operation of the electrical aspects of modern automobiles. Electrical theory and application, engine sensors, computer systems, and emission control devices will be covered. Also, air conditioning, heating, and electrical accessories will be examined. This course is intended for students seeking general automotive knowledge and employment in a non-technical automotive related field.

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

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

AUTO 110, ENGINE REPAIR 5.0 UNITS
This course deals with tear-down, assembly, diagnosis, and repair of gasoline automotive engines. Accurate engine measurement is highlighted. Hands-on practice of engine repair skills is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A1 (Engine Repair) ASE certification exam. Field trips may be required. Recommended Preparation: Automotive Technology 102 is recommended.

AUTO 111, ENGINE REPAIR 5.0 UNITS
This course deals with tear-down, assembly, diagnosis, and repair of gasoline automotive engines. Accurate engine measurement is highlighted. Hands-on practice of engine repair skills is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A1 (Engine Repair) ASE certification exam. Field trips may be required. Recommended Preparation: Automotive Technology 102 is recommended.

AUTO 112, AUTOMATIC TRANSMISSIONS AND TRANSAXLES 4.5 UNITS
This course will cover the theory, operation, diagnosis, and service procedures of automatic transmissions and transaxles. Hydraulic systems are highlighted, along with exploration of electronic controls and continuously variable transmissions (CVT). Hands-on testing and service procedures are emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A2 (Automatic Transmission/Transaxles) ASE certification exam. Field trips may be required. Recommended Preparation: Automotive Technology 102 is recommended.

AUTO 113, MANUAL DRIVE TRAIN AND AXLES 4.5 UNITS
This course will cover the theory, operation, diagnosis, and service of manual transmissions, transaxles, clutches, driveshafts, and differentials. This course also covers four-wheel drive and all-wheel drive systems. Safe and correct hands-on procedures are emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A3 (Manual Drive Train) ASE certification exam. Field trips may be required. Recommended Preparation: Automotive Technology 102 is recommended.
SANTA ANA COLLEGE – SPRING 2022

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.

C 08454  6:00p-7:25p  M W  Gassaway M  J-101  Full Semester
7:35p-10:05p  M W  Gassaway M  J-103
This class meets on-campus.

AUTO 115, BRAKES  4.5 UNITS
This course will cover the theory of operation, diagnosis, and service of drum, disc, and anti-lock brake systems used on modern vehicles. Safe and correct hands-on practice is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A5 (Brakes) ASE certification exam. Field trips may be required. Recommended Preparation: Automotive Technology 102 is recommended.

H 08891  7:00a-12:25p  M  Bittner M  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

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.

C 08897  4:00p-6:05p  M W  Nguyen H  LINCOLN  Full Semester
6:15p-8:20p  M W  Nguyen H  LINCOLN
This class meets at Lincoln.

AUTO 117, HEATING AND AIR CONDITIONING  5.0 UNITS
This course will cover the operation and service of modern automotive air conditioning systems. Practical application of air conditioning theory is presented to enable problem solving. Heating, ventilation, and electronic control systems are also included. Safe hands-on practice is emphasized. Students must furnish approved safety glasses. This course assists the student in preparation for the A7 (Air Conditioning and Heating) ASE certification exam. EPA 609 certification is integrated into this course. Field trips may be required. Recommended Preparation: Automotive Technology 102 is recommended.

H 08901  1:00p-5:15p  Th  Rudd J  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

AUTO 119, LIGHT VEHICLE DIESEL ENGINES  3.0 UNITS
This course will introduce the applications of modern light duty diesel engines. American and German engine systems will be covered, including common rail fuel injection, turbochargers, and diesel emission systems. Field trips may be required.

C 08902  6:00p-8:30p  Tu Th  Bittner M  J-101  04/11-06/05
8:40p-10:05a  Tu Th  Bittner M  J-103
This class meets on-campus.

AUTO 202, AUTOMOTIVE INDEPENDENT SHOP OWNERSHIP  3.0 UNITS
This course will cover the business, logistics, equipment needs, hiring process, and customer service requirements to own and operate an independent automotive service and repair facility. Operating a safe working environment and maintaining a productive facility will be emphasized.
Recommended Preparation: Business 100 with a minimum grade of C.

O 09329  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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AUTO 216, ELECTRICAL SYSTEMS 5.0 UNITS
Theory, operation, and diagnosis of automotive body electrical systems. Use of wiring diagrams is highlighted, with a concentration on electrical accessories. Ohm’s law and electromagnetism will also be covered. Safe and correct use of tools and equipment in the shop by students is emphasized. This course assists students in preparation for the A6 (Electrical/Electronics) ASE certification exam. Students must furnish approved safety glasses. Field trips may be required. Recommended Preparation: Automotive Technology 102 is recommended.

AUTO 218, ADVANCED ENGINE PERFORMANCE 4.0 UNITS
This course will focus on advanced level engine performance procedures, including ignition, fuel, oscilloscope, emissions, and computer systems. Hands-on testing and diagnosis will be emphasized. Students must furnish their own safety glasses. The course assists students in preparation of the L1 (Advanced Level Engine Performance) ASE certification exam. Recommended Preparation: Automotive Technology 132 and Automotive Technology 122 with a minimum grade of C.

AUTO 260, INTRODUCTION TO ELECTRIC VEHICLES 4.0 UNITS
This course will explore the function, operation, and design of electric vehicles. The course will also focus on safe practices and procedures when working with high voltage systems. Students will build a purpose-built electric vehicle in the course and study current electric vehicle manufacturers. High voltage systems will be examined, along with battery designs, AC and DC power motors, and electrical inverter/converters. Recommended Preparation: Automotive Technology 122 with a minimum grade of C.

AUTO 284, OBD-2 DIAGNOSIS AND NETWORKS 3.0 UNITS
This course will present problem solving for code and non-code concerns on OBD-2 (On Board Diagnostics) vehicles. This course also covers the function and troubleshooting of automotive networks. CAN systems are emphasized. This course assists the student in preparation for the A8 (Engine Performance) and L1 (Advanced Engine Performance) ASE certification exams.

AUTO 287, ALTERNATIVE FUELS 3.0 UNITS
This course introduces the student to the various types of alternative fuels used in modern vehicles. Safety and operation are highlighted. Compressed Natural Gas (CNG) training is emphasized. LPG, LNG, Bio-diesel, Ethanol, and Hydrogen are also covered.

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.

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
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
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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.

BIOL 109, FUNDAMENTALS OF BIOLOGY 3.0 UNITS

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<thead>
<tr>
<th>Code</th>
<th>Time</th>
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<th>Instructor</th>
<th>Room</th>
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| O    | 07220      |        |            |      |              | FULLY ONLINE LIVE  
|      |            | 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. |  
|      | 07221      |        |            |      |              | FULLY ONLINE LIVE  
|      |            | 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. |  
|      | 07222      |        |            |      |              | FULLY ONLINE LIVE  
|      |            | 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. |  
|      | 07223      |        |            |      |              | FULLY ONLINE LIVE  
|      |            | Fully Online Degree Pathway course. Registration open to all students. 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. |  
|      | 07224      |        |            |      |              | FULLY ONLINE LIVE  
|      |            | 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. |  
|      | 09082      |        |            |      |              | FULLY ONLINE LIVE  
|      |            | 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. |  

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.

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BIOL 115, CONCEPTS IN BIOLOGY FOR EDUCATORS 4.0 UNITS
An investigation in the basic principles of Biology and Science with content appropriate for future multiple-subject teachers and secondary through high school. The course material is presented within the context of the human experience and includes cell biology, physiology, genetics, evolution, ecology, animal behavior, and the interaction of humans with the environment. The course is taught from an inquiry-based strategy using active learning.

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<td>Beltran J</td>
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### BIOL 149, HUMAN ANATOMY AND PHYSIOLOGY 4.0 UNITS
Structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, from cellular to organ system levels of organization. This course is primarily intended for nursing, allied health, kinesiology, and other health related majors.

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<tr>
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### BIOL 177, HUMAN GENETICS 3.0 UNITS
Introductory course in human genetics which explores basic principles, patterns of inheritance, gene structure, function and regulation, current advances in genetics and gene technology, as well as social and ethical issues in contemporary genetics.

<table>
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<tr>
<th>CRN</th>
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<th>Instructor</th>
<th>Room</th>
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### BIOL 190, INTRODUCTION TO BIOTECHNOLOGY 3.0 UNITS
This course is a general examination of biology as it relates to the field of biotechnology. Topics include the fundamental chemical processes common in prokaryotic and eukaryotic biology, chemistry of bio-molecules (proteins, enzymes, nucleic acids and lipids), cellular and molecular biology, basic immunology, and classical and molecular genetics with an emphasis on gene expression and genetic engineering.

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<th>Instructor</th>
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### BIOL 197, STEM INTERNSHIP/WORK EXPERIENCE 1.0 - 4.0 UNITS
Supervised paid or volunteer experience in student's major including new or expanded responsibilities. 75 hours of paid work or 60 hours of unpaid work equals one unit. Course may be taken 4 times for a maximum of 16 units of occupational cooperative work experience credit.

**Prerequisite:** Successful completion of 10 units from Biotech course series.

Open Entry / Open Exit

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<tr>
<th>CRN</th>
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### BIOL 211, CELLULAR AND MOLECULAR BIOLOGY 5.0 UNITS
An investigation into the molecular and cellular basis of life, including the evolution of cells, cell structure and function, energy and information flow, cellular reproduction, genetics, and the molecular basis of inheritance. Required of majors in biology, medicine, forestry, and agriculture. This course is a prerequisite for Biology 212 and Biology 214.

**Prerequisite:** Mathematics 080 or 081 or 84 and Chemistry 219 or 219H with a minimum grade of C.

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### BIOL 212, ANIMAL DIVERSITY AND ECOLOGY 5.0 UNITS
A study of ecological principles and relationships between animal diversity and ecosystems. Habitat, populations, ecological interactions, and environmental influences are stressed while surveying animal diversity and addressing structure, function, behavior, and adaptation of major taxonomic groups. Required of majors in biology, medicine, forestry and agriculture. Field trips required.

**Prerequisite:** Biology 211 with a minimum grade of C.

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### BIOL 214, PLANT DIVERSITY AND EVOLUTION 5.0 UNITS
Principles and processes of evolution leading to biodiversity. Survey of the organisms, viruses, prokaryotes, fungi, algae, and plants with emphasis on evolutionary adaptations of the anatomy, physiology, and life cycles of these organisms. Field trips required.

**Prerequisite:** Biology 211 with a minimum grade of C.

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<tr>
<th>CRN</th>
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<th>Instructor</th>
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</table>
### 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.

<table>
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### 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 dissected cadaver as available.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
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<td>Staff</td>
<td>R-124</td>
<td>Full Semester</td>
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<td>1:15p-4:15p</td>
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<tr>
<td>C 07373</td>
<td>8:30a-11:30a</td>
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<td>R-128</td>
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<td>11:45a-2:45p</td>
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<td>2:00p-5:00p</td>
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<td>C 07375</td>
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<tr>
<td>C 07376</td>
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<td>Staff</td>
<td>R-114</td>
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<tr>
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<td>5:20p-8:20p</td>
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<td>Staff</td>
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<tr>
<td>C 07369</td>
<td>7:35p-10:35p</td>
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<td>Staff</td>
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<td></td>
<td>7:35p-10:35p</td>
<td>M</td>
<td>Staff</td>
<td>SC-217</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.
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.

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.

BIOL 259, ENVIRONMENTAL BIOLOGY 4.0 UNITS
Introduction to Environmental Biology. Includes study of ecosystems, population dynamics, classification, diversity of plant and animal species, effects of pollutants at both the cellular and organismal levels, and principles of ecology (Same as Environmental Studies 259). Field trips required.

BUSINESS (BUS) 3.0 UNITS
This course is designed to enable students to learn and apply mathematics skills in business including review of fractions, decimals, percents, banking, discounts, markups, payroll, interest calculation, installment buying, mortgages, depreciation, taxes, insurance, stocks, bonds, and mutual funds.

BIOLOGY

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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Session</th>
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<tbody>
<tr>
<td>07608</td>
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<td>Ursuy C</td>
<td>A-203</td>
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</tr>
<tr>
<td>07607</td>
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<td>Shweiri G</td>
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<tr>
<td>07602</td>
<td>6:00p-8:00p</td>
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<td>02/07-04/03</td>
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<tr>
<td>07603</td>
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<td>Kowsari A</td>
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<td>02/07-04/03</td>
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<td>03/07-06/05</td>
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<td>07609</td>
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<td>Solares E</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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. 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.

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, Law 101 or Law 105.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
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<th>Location</th>
<th>Session</th>
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<tr>
<td>07405</td>
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<td>Salling T</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. 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: 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
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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:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<td>02/07-04/03</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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)</td>
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<tr>
<td>07415</td>
<td>Staff</td>
<td>ONLINE</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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)</td>
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<td>07418</td>
<td>Smith K</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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)</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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)</td>
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<td>07424</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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)</td>
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<tr>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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)</td>
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<td>ZOOM</td>
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<td>Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="http://canvas.sac.edu">canvas.sac.edu</a>. 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)</td>
</tr>
</tbody>
</table>

**BUS 103, COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL EDUCATION-OCCUPATIONAL**

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 opportunities for work related to students' majors and required course work. [canvas.sac.edu](http://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 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

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.

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<td>03/07-06/05</td>
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<td>ONLINE</td>
<td>04/11-06/05</td>
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</table>

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.

Canvas site: canvas.sac.edu
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.

BUS 117, GLOBAL COMMERCE AND MANAGEMENT 3.0 UNITS
Learn to create business contracts in the global marketplace and how to use the U.N. Convention on Contracts for the International Sale of Goods. Learn about financial mechanisms and laws regulating international distribution. Learn about international limited liability companies, and foreign direct investment. Learn how countries join together to create trade. Includes NAFTA/USMCA, GATT, the EU and other trade agreements around the world. Explore management and law in different legal environments as well as U.S. export regulations.

BUS 118, IMPORTING: GLOBAL SOURCING AND MARKETS 3.0 UNITS
Learn how importing works. Evaluate the potential of an import business. Contact vendors and source products. Determine import classification, tariffs and taxes and calculate landed costs to import into the U.S. Understand import regulations.

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.
BUS 125, INTRODUCTION TO INTERNATIONAL BUSINESS  
A survey course previewing international marketing, finance, law, and logistics. Includes how a company decides to go global and how products are made, transported, and sold around the world.

BUS 127, INTRODUCTION TO E-COMMERCE  
Electronic commerce from a managerial perspective focusing on the retailing, business-to-business, and service industries. Topics include e-commerce infrastructure, intranets and extranets, electronic payment systems, marketing research, advertising, e-commerce strategies, and privacy issues.

BUS 130, PERSONAL FINANCE  
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.
<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Section</th>
<th>Type</th>
<th>Meeting Details</th>
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<tr>
<td>07548</td>
<td>Davis K ONLINE</td>
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<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>07981</td>
<td>Staff ONLINE ZOOM</td>
<td>FULLY ONLINE</td>
<td>Full Semester</td>
<td>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. 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.</td>
</tr>
<tr>
<td>07307</td>
<td>Hoekstra T ONLINE</td>
<td>FULLY ONLINE</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>07612</td>
<td>Ursuy C A-203</td>
<td>BUS 160, INTRODUCTION TO STOCK AND BOND INVESTMENTS 3.0 UNITS</td>
<td>Full Semester</td>
<td>Fully Online instruction. This class meets 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.</td>
</tr>
<tr>
<td>07626</td>
<td>Damon S ONLINE</td>
<td>BUS 222, BUSINESS WRITING 3.0 UNITS</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>07627</td>
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<td>BUS 222, BUSINESS WRITING 3.0 UNITS</td>
<td>Full Semester</td>
<td>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.</td>
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<tr>
<td>07628</td>
<td>Mostajeran Y ONLINE</td>
<td>BUS 222, BUSINESS WRITING 3.0 UNITS</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>07629</td>
<td>Wasserman J ONLINE</td>
<td>BUS 222, BUSINESS WRITING 3.0 UNITS</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
</tbody>
</table>
BA 102, PROFESSIONAL SKILLS & CAREER READINESS  3.0 UNITS
Develop and improve professional business skills using current standards and technology including employment readiness skills, leadership, customer service, teamwork and collaboration skills, effective communication, job search, and advancement. Instruction includes professional image, business ethics, office management, problem-solving and decision-making skills, interpersonal skills, time and stress management, business travel, and effective meetings.

07705  Nguyen K  ONLINE  02/07-04/03
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 103, BUSINESS MATHEMATICS  3.0 UNITS
This course is designed to enable students to learn and apply mathematics skills in business including review of fractions, decimals, percents, banking, discounts, markups, payroll, interest calculation, installment buying, mortgages, depreciation, taxes, insurance, stocks, bonds, and mutual funds.

07760  Nguyen K  ONLINE  04/11-06/05
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 110, COMPUTER KEYBOARDING SKILLS  0.5 UNIT
This course is the first step in learning proper keyboarding techniques with accuracy using correct hand and finger positioning. Students will follow step-by-step instructions for all alphabet, punctuation, enter/return, and capitalization using shift keys. Typing correctly without errors will provide the skills necessary to develop speed with accuracy.

07714  Skaggs T  ONLINE  02/07-04/03
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 ZTC class.

BA 115, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT  0.5 UNIT
After the basic keyboarding skills have been mastered, the most important next step is to take this course to develop and increase speed with accuracy. Students will use drills and timed writing tests to develop speed and accuracy to meet current business employment typing requirements and make the use of business technology faster and easier. Typing skills with a minimum 20 words per minute (WPM) using proper techniques or completion of BA 110 recommended.

07716  Skaggs T  ONLINE  04/11-06/05
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 ZTC class.

BA 125, MICROSOFT WORD  2.0 UNITS
Learn the most efficient methods of creating, editing, formatting, and printing professional business documents faster and easier. Beginners as well as experienced Word users will benefit from learning proper file setup and shortcuts using current business standards. Students will master basic skills and learn advanced features and techniques to produce a wide variety of documents including resumes, newsletters, and brochures. This course will prepare the student for the Microsoft Office Specialist (MOS) exam to earn an industry recognized certification.

Software Utilized:  MS Word 2019

07717  Manzano M  ONLINE  02/07-04/03
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 126, MICROSOFT OUTLOOK 2.0 UNITS
Learn how business professionals use all the features in Microsoft Outlook for information management to improve communication and increase productivity. Topics include proper email usage, create meeting invites, schedule appointments, manage contacts, organize emails, manage calendars, email security, customize settings, and create backups. This course will prepare the student for the Microsoft Office Specialist (MOS) exam to earn an industry recognized certification.

07719  Duman D  ONLINE  04/11-06/05
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 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.

07709  De la Torre-Reed L  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. 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 132, MEDICAL INTERPRETATION AND TRANSLATION-SPANISH/ENGLISH 3.0 UNITS
Medical Spanish and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to medical offices, hospitals, dental offices, clinics, and other healthcare services. Topics include proper translation of medical terminology, professional role, standards, code of ethics, medical signs and symptoms, health insurance, and medical forms. Fluency in Spanish and English is strongly recommended.

07712  Strong N  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. 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 133, LEGAL INTERPRETATION AND TRANSLATION-SPANISH/ENGLISH 3.0 UNITS
Legal Spanish and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to law offices, courts, law enforcement, government, and other legal related business. Topics include proper translation of legal terminology, consecutive mode of interpreting in a legal setting, professional role, standards, code of ethics, documents, forms, court reporting, and legal cases. Fluency in Spanish and English is strongly recommended.

07451  De La Torre M  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.

BA 140, INTRODUCTION TO VIETNAMESE BILINGUAL INTERPRETING 3.0 UNITS
Introduction to Vietnamese and English bilingual skills as 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 Vietnamese and English is strongly recommended.

07715  Nguyen K  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. 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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**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.
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
07725 Morgan A ONLINE 04/11-06/05
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 149, TECHNOLOGY FOR INTERPRETERS & TRANSLATOR 1.0 UNIT
Learn the technology and equipment used by professional interpreters and translators. Develop skills in using hardware and software for in-person and remote interpreting and translating. Integrating digital tools and modern techniques will increase efficiency, accuracy, and productivity in written translation and verbal interpreting. Bilingual proficiency in English and Spanish or Vietnamese is strongly recommended.
07713 Strong N ONLINE 04/11-06/05
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 153, SOCIAL MEDIA APPS FOR EMPLOYMENT AND BUSINESS 1.5 UNITS
Boost your career opportunities by learning the latest trends in using social media applications. Learn how to use all the features in the leading social media apps to find employment, promote a business, and network with professionals. Tips on how to improve the quality and effectiveness of your social media presence. Learn proactive and professional techniques in handling reviewer comments. Live stream videos on social media including from drones. Hands-on instruction in social media apps including LinkedIn, Facebook, Instagram, Twitter, YouTube, Yelp, Google, Pinterest, and Snapchat. This course is designed for beginner and experienced social media users.
07731 Andrus E ONLINE 02/07-04/03
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 154, SEARCH ENGINE OPTIMIZATION AND WEB STATISTICS APPS FOR BUSINESS 1.5 UNITS
Learn how search engines work, website structure with Search Engine Optimization (SEO), competitive keyword research, writing content for search friendly websites, effective link building, and Search Engine Marketing (SEM) with Google Ads. Learn how business professionals use web statistics applications, such as Google Analytics, to analyze and track the effectiveness and performance of web pages and content to determine SEO and SEM practices. Learn how to use apps to measure site traffic, ad performance, Return on Investment (ROI), and conversions. Create an account, set up custom campaigns, and work with reports. This course is designed for beginner and experienced users.
07733 Andrus E ONLINE 04/11-06/05
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 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.

**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.**

**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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<th>CRN</th>
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<td>5:30p-7:30p</td>
<td>A-130</td>
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**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.

**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.**

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**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.

**Software Utilized:** Adobe Photoshop CC

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<th>CRN</th>
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**BA 164, ADOBE PHOTOSHOP**  
3.0 UNITS  
Learn to use Adobe Photoshop for photo image editing to enhance print and web business and marketing projects based on current industry standards and proper techniques. Topics include graphics terminology, color correction, stock images, photo repair and restoration, proper file setup, export, masking, filters, special effects, and editing video. This course will prepare the student for the Adobe Certified Associate (ACA) exam to earn an industry-recognized certification.

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**Honors Courses:**

**Free Textbooks**

**OER**

**ZTC**

**Low Cost or Free Textbooks**

**Honors Courses:**

***SANTA ANA COLLEGE – SPRING 2022***
BA 166, ADOBE ILLUSTRATOR  3.0 UNITS
Learn to use Adobe Illustrator to digitally create, manipulate, and export vector-based graphics, illustrations, drawings, logos, business cards, and simple page layouts to enhance print and web business and marketing projects based on current industry standards and proper techniques. This course will prepare the student for the Adobe Certified Associate (ACA) exam to earn an industry-recognized certification.

Software Utilized:  Adobe Illustrator CC

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<tr>
<th>CRN</th>
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<th>Delivery Method</th>
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<th>Days/Time</th>
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<td>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.</td>
</tr>
</tbody>
</table>

BA 169, ADOBE DREAMWEAVER  3.0 UNITS
Learn to use Adobe Dreamweaver to create, publish, and manage professional web sites for any size screen using current business standards, technology, and proper techniques. The course includes site mapping, wireframes, search engine optimization (SEO), responsive design, HTML5, cascading style sheets (CSS), links, proper setup of web images, cross-browser testing, W3C validation, and publishing. This course will prepare the student for the Adobe Certified Associate (ACA) exam to earn an industry-recognized certification.

Software Utilized:  Adobe Dreamweaver CC

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<th>CRN</th>
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<th>Delivery Method</th>
<th>Term</th>
<th>Days/Time</th>
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<td>04/11-06/05</td>
<td>M W 11:20a-12:10p</td>
<td>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.</td>
</tr>
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</table>

BA 171, ADOBE PREMIERE PRO  3.0 UNITS
Learn to use Adobe Premiere Pro, the industry-leading video editing software to create professional video presentation projects for today's business marketing and sales via web and social media. Step-by-step, project-based lessons using proper software techniques and industry standards to effectively use this business application. This course will prepare the student for the Adobe Certified Associate (ACA) exam to earn an industry recognized certification.

Software Utilized:  Adobe Premiere Pro CC

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<th>CRN</th>
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<td>M W 11:20a-12:10p</td>
<td>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.</td>
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</table>

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

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<tr>
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<td>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.</td>
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<td>07745</td>
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<td>M W 11:20a-12:10p</td>
<td>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.</td>
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</tbody>
</table>

BA 181, EVERYONE CAN CODE WITH APPLE  2.0 UNITS
Learn about mobile business applications, what it takes to develop a mobile app for your business, and how to market your business app successfully. This is an introductory course in using an Apple visual-based application software to create mobile applications for Apple products such as iPhone and Apple Watch. Students will use an iPad to explore fundamental concepts using application.

Software Utilized:  Apple visual-based application software

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<tr>
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<td>M W 11:20a-12:10p</td>
<td>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.</td>
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ON CAMPUS: On-Campus Instruction - On-campus and in-person with scheduled meeting days and times.

BA 188, MICROSOFT EXCEL
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

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.

BA 189, ADVANCED MICROSOFT EXCEL
This course builds on the skills and concepts learned in the BA 188 Microsoft Excel course. Students will learn advanced functions and formulas, data analysis, PivotTables, PivotCharts, protecting and sharing workbooks, automating repetitive tasks, and other advanced Excel skills required for managing and presenting data for business. This course will prepare the student for the Microsoft Office Specialist (MOS) Excel and Excel Expert exams to earn industry recognized certifications.
Software Utilized: MS Excel 2019

CHEM 109, CHEMISTRY IN THE COMMUNITY
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.
CHEM 209, INTRODUCTORY CHEMISTRY  
4.0 UNITS
Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

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<tr>
<th>Course Code</th>
<th>Time</th>
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<td>SC-111</td>
<td>Full Semester</td>
</tr>
<tr>
<td>C 06809</td>
<td>1:15p-2:40p</td>
<td>Tu Th</td>
<td>McAdam J</td>
<td>SC-308</td>
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<tr>
<td>C 06805</td>
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<tr>
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<td>Tu Th</td>
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<tr>
<td>C 06801</td>
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<td>Khong S</td>
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<tr>
<td>H 06803</td>
<td>10:05a-1:05p</td>
<td>Tu</td>
<td>Jenkins C</td>
<td>HYBRID</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

CHEM 210, GENERAL, ORGANIC AND BIOCHEMISTRY  
5.0 UNITS
An introduction to the fundamental concepts of general, organic and biochemistry for majors in nursing and other allied health majors. Includes atomic structure, nuclear chemistry, bonding, solutions, acids and bases, organic nomenclature, hydrocarbons, alcohol, aldehydes, ketones, carboxylic acids, carbohydrates, proteins, lipids, nucleic acids and metabolism.
Prerequisite: Chemistry 209 with a minimum grade of C OR passing grade on current chemistry placement exam and Mathematics 080 or Mathematics 081 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
</tr>
</thead>
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<td>10:15a-12:20p</td>
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<td>Raval G</td>
<td>SC-111</td>
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<tr>
<td>C 06816</td>
<td>6:55a-9:55a</td>
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<td>Trieu T</td>
<td>SC-317</td>
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<tr>
<td>C 06813</td>
<td>10:15a-12:20p</td>
<td>M W</td>
<td>Raval G</td>
<td>SC-111</td>
<td>Full Semester</td>
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<td>C 06813</td>
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<td>Lagoykina S</td>
<td>SC-317</td>
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</table>

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
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.

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.

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.

CHEM 249, ORGANIC CHEMISTRY I 5.0 UNITS
This course is the first semester of a year of organic chemistry. This course will cover: structure and bonding, nomenclature, descriptive chemistry, reaction mechanisms, synthetic methods and IR spectroscopy for different functional groups including alkanes, alkenes, alkynes, alkyl halides, organometallics, alcohols, and ethers. Laboratory will include: separations/purifications identification, and simple syntheses.
Prerequisite: Chemistry 229 with a minimum grade of C.

CHEM 259, ORGANIC CHEMISTRY II 5.0 UNITS
This course is the second semester of a year of organic chemistry (continuation of Chemistry 249). It includes units on structure elucidation, aromatic compounds, carbonyl compounds, carboxylic acids and their derivatives, amines, and classes of biologically important compounds. More complex synthetic routes are explored. Laboratory work includes multi-step syntheses and unknown identification. Reaction mechanisms and use of spectroscopic techniques continue to be emphasized.
Prerequisite: Chemistry 249 with a minimum grade of C.
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/Xicanx Studies. It is designed to acquaint students with the most significant social, political, economic, and historical aspects of the Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx Studies experience in the United States. A trans-disciplinary, multisectional, and multidimensional approach will be employed to study Chicanas/Chicanos/Chican@s/Chicanxs/Xicanas/Xicanos/Xicanxs various experiences and their contributions to American society and culture. This course will critically analyze the societal context in which the Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx Studies have sought to maintain their culture. This course is designed to present a foundation in Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicanx Studies.

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 and indicated and online instruction. Students log in to Canvas. There will be no instruction on-campus.

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.)

CHICANO STUDIES (CHST)

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.)
<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Delivery Method</th>
<th>Start Date</th>
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<tr>
<td>08958</td>
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<td></td>
<td></td>
<td>8:35a-10:00a M W</td>
<td>Staff ZOOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="http://canvas.sac.edu">canvas.sac.edu</a>. 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.</td>
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</tr>
<tr>
<td>08959</td>
<td>Kimmel M</td>
<td>ONLINE</td>
<td>02/14-03/27</td>
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<tr>
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<td></td>
<td>Fully Online Degree Pathway course. Registration open to all students. Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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. Fully Online Accelerated 6 week instruction.</td>
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</tr>
<tr>
<td>08960</td>
<td>Hardy M</td>
<td>ONLINE</td>
<td>04/11-05/21</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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. Fully Online Accelerated 6 week instruction.</td>
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<tr>
<td>08962</td>
<td>Cota V</td>
<td>ONLINE</td>
<td>Full Semester</td>
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<td>8:35a-10:00a Tu Th</td>
<td>Staff ZOOM</td>
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<td>Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="http://canvas.sac.edu">canvas.sac.edu</a>. 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.</td>
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<td>08963</td>
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<td>Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="http://canvas.sac.edu">canvas.sac.edu</a>. 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.</td>
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<tr>
<td>08964</td>
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<td>6:00p-8:30p Th</td>
<td>Staff ZOOM</td>
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<tr>
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<td></td>
<td>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. <a href="http://canvas.sac.edu">canvas.sac.edu</a>. 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.</td>
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<td>04/18-05/27</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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. Fully online Accelerated 6 week instruction</td>
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<tr>
<td>08966</td>
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<td>03/07-06/05</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="http://canvas.sac.edu">canvas.sac.edu</a> 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.</td>
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</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Type</th>
<th>Time</th>
<th>Days</th>
<th>Room</th>
<th>Notes</th>
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<td>08968</td>
<td>Cox K</td>
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<td>08969</td>
<td>Deusenberry J</td>
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<td>6:00p-8:30p</td>
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<td>Staff</td>
<td>ZOOM</td>
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</table>

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.

<table>
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<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Type</th>
<th>Time</th>
<th>Days</th>
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</table>

CDEV 111A, PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN 3.0 UNITS
This course examines the underlying historical and theoretical principles, and the developmentally appropriate practices of early childhood programs and environments. Emphasis will be on the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative, and intellectual development for all children. The evolution of professional practices promoting advocacy, ethics, and professional identity will be explored.
Prerequisite: Child Development 108 with a minimum grade of C. Negative TB Test (need to complete before observation during the course). By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

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<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Type</th>
<th>Time</th>
<th>Days</th>
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<tbody>
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<td>08975</td>
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<td>6:00p-8:30p</td>
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<td>ZOOM</td>
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</table>
CDEV 111B, INTRODUCTION TO CURRICULUM FOR YOUNG CHILDREN 3.0 UNITS
This course presents an overview of knowledge and skills needed to provide developmentally appropriate curriculum for young children. Students will examine the teacher's role in supporting development, fostering the joy of learning and creativity through the essential role of play. Content areas include language/literacy, social/emotional/sensory learning, art, music, math, science, health/safety, and motor development.
Prerequisite: Child Development 108, and Child Development 111A with a minimum grade of C or concurrent enrollment in Child Development 111A. By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

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<th>08977</th>
<th>6:00p-8:30p</th>
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<th>Staff</th>
<th>ONLINE</th>
<th>ZOOM</th>
<th>04/11-06/05</th>
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<tbody>
<tr>
<td>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.</td>
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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 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.

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<thead>
<tr>
<th>O</th>
<th>08979</th>
<th>6:00p-8:30p</th>
<th>M</th>
<th>Staff</th>
<th>ONLINE</th>
<th>ZOOM</th>
<th>04/11-06/05</th>
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<tbody>
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<td>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.</td>
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CDEV 114, CAREERS IN TEACHING 1.0 UNIT
Introduction to the teaching profession, culturally diverse student populations, career ladders and options, academic preparation, experience, and credentials required for employment, utilizing career assessments, principles of goal setting, and exposure to teaching environments and teaching professionals. Students will formulate a career objective and develop an educational plan.

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<tr>
<th>O</th>
<th>08980</th>
<th>6:00p-8:30p</th>
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<th>ONLINE</th>
<th>ZOOM</th>
<th>04/11-06/05</th>
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</thead>
<tbody>
<tr>
<td>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 instruction on-campus.</td>
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CDEV 120A, DEVELOPMENT OF THE SCHOOL AGE CHILD (DSS) 3.0 UNITS
An examination of the physical, cognitive, personality, and social development of children between the ages of five and twelve years. Attention will be paid to the scientific study of middle childhood, developmental trends, and issues of diversity. Not offered every semester.

<table>
<thead>
<tr>
<th>VH</th>
<th>08982</th>
<th>6:30p-8:30p</th>
<th>Tu</th>
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<th>ONLINE</th>
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<tr>
<td>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.</td>
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CDEV 120B, SCHOOL-AGE CHILD CARE AND RECREATION ACTIVITIES (DSS) 3.0 UNITS
This course will focus on school age creative activities, including planning and implementing an appropriate before/after school curriculum. Attention will be paid to integrating academics, recreation, and creative activities suitable for school-age child care programs.

<table>
<thead>
<tr>
<th>VH</th>
<th>08983</th>
<th>6:30p-8:30p</th>
<th>Tu</th>
<th>Staff</th>
<th>ONLINE</th>
<th>ZOOM</th>
<th>04/11-06/05</th>
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<tbody>
<tr>
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</tbody>
</table>

**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.
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.

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.

08985  Naman T  ONLINE  02/21-04/24
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.

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.

VH 08986  Pruznick J  ONLINE  Full Semester
4:15p-5:40p  Tu  Staff  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.

VH 08987  Becerra C  ONLINE  03/07-06/05
10:00a-12:30p  Th  Staff  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.

CDEV 207, SUPPORTING AND EMPOWERING FAMILIES OF CHILDREN WITH SPECIAL NEEDS 3.0 UNITS
This course will provide teachers, intervention assistants, administrators, and parents the tools necessary to support and empower families of children with disabilities and other special needs in early childhood and school age programs. Techniques, strategies, and resources will be provided to support children in a natural and/or inclusive educational setting and to help guide parents to be advocates of their children.
Prerequisite: Child Development 205 with a minimum grade of C.

08988  Kimmel M  ONLINE  02/07-04/23
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 210, CREATIVE MUSIC EXPERIENCES FOR YOUNG CHILDREN 2.0 UNITS
Explores musical expression through songs and ballads, the elements of music, and diverse types of instruments as used in the early childhood curriculum. Includes the study of musical growth and development in young children and the use of music as a classroom management tool.

VH 08989  Staff  ONLINE  04/21-06/05
6:00p-8:30p  Tu  Staff  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.

CDEV 220, THE CHILD AS A VICTIM 3.0 UNITS
Exploration of battered, molested, and neglected children from five vantage points: child, law, parents, social services and educator.

08990  Cordova M  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.

08991  Trahan Grissom L  ONLINE  03/07-06/05
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.

SANTA ANA COLLEGE – SPRING 2022 Page 87

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Delivery Method</th>
<th>Term</th>
<th>Credits</th>
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<td>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.</td>
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<td>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.</td>
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CDEV 231, DEVELOPING LANGUAGE AND LITERACY IN YOUNG CHILDREN
3.0 UNITS
Designed to introduce students to basic concepts of first and second language acquisition and literacy in young children including classroom applications.

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<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Delivery Method</th>
<th>Term</th>
<th>Credits</th>
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<th>Start Time - End Time</th>
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<td>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</td>
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<td>There will be no instructional meetings. &quot;Fully online Accelerated 6 week instruction&quot;</td>
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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.

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<tr>
<th>Course Code</th>
<th>Instructor</th>
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CDEV 250, ADULT SUPERVISING AND MENTORING IN EARLY CARE AND EDUCATION
3.0 UNITS
For the experienced teacher, a study of the methods and principles of supervising adults in early childhood classrooms. Emphasis is on the role of experienced classroom teachers who function as supervisors/mentors to new teachers and staff while simultaneously addressing program quality and the needs of children, parents, and other staff.
Prerequisite: Child Development 111B or Child Development 116B with a minimum grade of C. By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

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<td>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.</td>
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CDEV 297, ANALYZING AND APPLYING TEACHER STRATEGIES IN THE CLASSROOM 3.0 UNITS
This course will provide students with essential skills to utilize a variety of current statewide assessment tools that address the quality of early childhood programs and the developmental levels of young children. Students will identify strategies to help teachers effectively use curriculum that is intentional, child-focused, and content-driven. Students will also learn to be responsive of cultural diversity, English-language learners, and the unique needs of families.
Prerequisite: Child Development 111B or Child Development 116B or Child Development 120B with a minimum grade of C. By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

CHNS 101, ELEMENTARY CHINESE I 5.0 UNITS
Practice and integration of pronunciation, grammar, vocabulary, and common idioms through listening, speaking, reading, and writing so that students can begin to express thoughts orally and in writing. The class will also introduce students to culture and diversity, English-language learners, and the unique needs of families.
Prerequisite: Child Development 111B or Child Development 116B or Child Development 120B with a minimum grade of C. By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

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.

CDEV 298B, PRACTICUM IN INFANT/TODDLER 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 infant/toddler-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 infants and toddlers.
Prerequisite: Child Development 107, Child Development 108, Child Development 110, Child Development 112, Child Development 116A, Child Development 116B, 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.

CDEV 299, COOPERATIVE WORK EXPERIENCE EDUCATION 1.0 - 4.0 UNITS
This work experience course of supervised employment is designed to assist students to acquire career awareness and work habits in early childhood, K-12, and after-school programs. 75 hours of paid work or 60 hours of unpaid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

CDEV 297, ANALYZING AND APPLYING TEACHER STRATEGIES IN THE CLASSROOM 3.0 UNITS
This course will provide students with essential skills to utilize a variety of current statewide assessment tools that address the quality of early childhood programs and the developmental levels of young children. Students will identify strategies to help teachers effectively use curriculum that is intentional, child-focused, and content-driven. Students will also learn to be responsive of cultural diversity, English-language learners, and the unique needs of families.
Prerequisite: Child Development 111B or Child Development 116B or Child Development 120B with a minimum grade of C. By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

CHNS 101, ELEMENTARY CHINESE I 5.0 UNITS
Practice and integration of pronunciation, grammar, vocabulary, and common idioms through listening, speaking, reading, and writing so that students can begin to express thoughts orally and in writing. The class will also introduce students to culture and diversity, English-language learners, and the unique needs of families.
Prerequisite: Child Development 111B or Child Development 116B or Child Development 120B with a minimum grade of C. By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

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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.

CDEV 298B, PRACTICUM IN INFANT/TODDLER PROGRAMS 3.5 UNITS
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Prerequisite: Child Development 107, Child Development 108, Child Development 110, Child Development 112, Child Development 116A, Child Development 116B, 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.

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This work experience course of supervised employment is designed to assist students to acquire career awareness and work habits in early childhood, K-12, and after-school programs. 75 hours of paid work or 60 hours of unpaid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

OPEN Entry / OPEN Exit

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

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

HONORS: Honors Courses:

OER: Low Cost or Free Textbooks

ZTC: ZTC

HONORS: Honors Courses:

HONORS: Honors Courses:
**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.

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<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
<th>Notes</th>
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<td>M W</td>
<td>6:55a-8:20a</td>
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<td>Lopez R</td>
<td>C-207</td>
<td>Full Semester</td>
<td>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.</td>
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<td>07585</td>
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<td>Rehm D</td>
<td>C-202</td>
<td>Full Semester</td>
<td>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.</td>
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<td>I-108</td>
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<td>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</td>
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<td>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.</td>
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<td>Saterfield K</td>
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<td>02/07-04/03</td>
<td>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</td>
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<tr>
<td>07594</td>
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<td>Saterfield K</td>
<td>ONLINE</td>
<td>04/11-06/05</td>
<td>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</td>
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<td>07595</td>
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<td>Labreau K</td>
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<td>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</td>
</tr>
</tbody>
</table>

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

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.

SANTA ANA COLLEGE – SPRING 2022

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

07742 6:55a-8:20a  Tu Th  Jones C  C-214  Full Semester
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.

07781 6:55a-8:20a  M W  Kanal N  C-213  Full Semester

07597 8:30a-9:55a  M W  Cummings R  I-102  Full Semester
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.

07747 8:30a-9:55a  Tu Th  Jones C  I-103  Full Semester
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.

07777 8:30a-9:55a  Tu Th  Sifuentes M  C-207  Full Semester
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.

07779 8:30a-9:55a  M W  Carrell K  C-202  Full Semester

07782 10:00a-1:10p  F  Jones C  C-202  Full Semester

07744 10:05a-11:30a  Tu Th  Carrell K  I-103  Full Semester

07775 10:05a-11:30a  Tu Th  Rehm D  C-207  Full Semester
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.

07778 10:05a-11:30a  M W  Wagner S  C-214  Full Semester

07784 10:05a-1:05p  Tu Th  Pierce C  I-106  04/11-06/05
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.

07746 11:40a-1:05p  Tu Th  Ayala E  C-213  Full Semester
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.

07749 11:40a-1:05p  Tu Th  Carrell K  I-103  Full Semester

07776 11:40a-1:05p  M W  Wagner S  C-214  Full Semester

09419 1:03p-1:53p  Tu Th F  Lopez R  STHS  Full Semester

07748 1:15p-2:40p  Tu Th  Ayala E  C-207  Full Semester
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.

07780 3:25p-4:15p  M W  Cummings R  C-207  Full Semester
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.

07774 4:20p-7:30p  Tu  Kanal N  C-207  Full Semester
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.

07598 Labreau K  ONLINE  04/11-06/05
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.

07599 Rehm D  ONLINE  02/07-04/03
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.

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Free Textbooks
Low Cost or OER
ZTC
Honors Courses:
HONORS
### CMST 103, INTRODUCTION TO INTERCULTURAL COMMUNICATION  
**3.0 UNITS**

A general view of the sociological, psychological, and communication patterns of various cultural groups. Special emphasis on the methods, skills, and techniques necessary for effective intercultural, crosscultural, and interracial communication. Stresses the development of analytical thinking, speaking, and writing skills.

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<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
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<th>Start Date</th>
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<td>M W</td>
<td>10:05a-11:30a</td>
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</table>

Online Degree Pathway course. Registration open to all students. 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](https://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.

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### CMST 145, GROUP DYNAMICS  
**3.0 UNITS**

Principles and methods of communication as applied in the small group setting. Emphasis on communication skills, processes, and operations in the small group. Includes understanding group dynamics and cooperative problem solving.  

**Recommended Preparation:** Recommended Communication Studies 097 for non-native speakers.

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<td>I-209</td>
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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.  
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**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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**CMST 151, VOICE AND DICTION FOR EFFECTIVE COMMUNICATION** 3.0 UNITS
Basic speech and voice production. Anatomy and physiology related to respiration (breathing/loudness), phonation (sound/pitch) and articulation (diction/clarity). Practice in improving vocal skills for effective communication. Recommended for individuals who have special demands on vocal production in their vocation.
Recommended Preparation: Communication Studies 097 recommended for non-native speakers.

**07797** 7:30p-10:40p Tu Kanal N C-104 Full Semester

**CMST 152, ORAL INTERPRETATION** 3.0 UNITS
Oral presentation of prose and poetry; practice in speaking, interpretation, and analysis of literature, with training in the principles of effective delivery. Not offered every semester.
Recommended Preparation: Communication Studies 097 recommended for non-native speakers.

**07799** Rehm D 04/11-06/05
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 206, GENDER COMMUNICATION** 3.0 UNITS
Practical application, techniques and in-depth analysis of male and female communication regarding language, biological and social influences, mass media, marriage, organizations, same sex/cross sex friendships, and education.
Recommended Preparation: Communication Studies 101 with a minimum grade of C.

**07800** Lockwood L ONLINE 02/07-04/03
Online Degree Pathway course. Registration open to all students. 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 206H, HONORS GENDER COMMUNICATION** 3.0 UNITS
An enriched approach in practical application, techniques, and in-depth analysis of male and female communication regarding language usage, biological and social influences, mass media, marriage, organizations, same sex/cross sex friendships, and education. Students will be required to do individual/group professor-guided research.

**07801** Lockwood L ONLINE 02/07-04/03
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 307, HEALTH COMMUNICATION** 3.0 UNITS
Course is designed to advance knowledge of health communication theory, research and practice while providing solid foundation for understanding importance, value and impact of health communication upon patients, families, caregivers and healthcare team-members.
Prerequisite: Limitation on Enrollment: Student must be admitted to the Occupational Studies program. Communication Studies 101 or Communication Studies 101H or Communication Studies 102 or Communication Studies 103 or Communication Studies 103H or Communication Studies 145; with a minimum grade of C.

**07802** Lopez R ONLINE Full Semester
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

**COMMUNICATIONS & MEDIA STUDIES (CMSD)**

**CMSD 103, INTRODUCTION TO VISUAL COMMUNICATIONS** 3.0 UNITS
This multimedia course explores the social, cultural and historical implications of visual communications from Gutenberg’s printing press to present day digital media. Using works of philosophical, historical and cultural importance students will analyze and debate the changes in the way visual communications affect society, and shape cultural values.

**08166** 10:05a-11:30a M W Bennett S A-130 Full Semester
There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

**08165** Staff 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 Zero Textbook Cost (ZTC) class.

**CMSD 105, MASS MEDIA AND SOCIETY** 3.0 UNITS
Exploration of mass communication and the interrelationships of media with society including history, structure and trends in a digital age. Examines major media forms, theories and effects in our information-conscious culture.

**08167** 10:05a-11:30a Tu Th Bennett S C-104 Full Semester

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**ON-CAMPUS**: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.
CMSD 111, MEDIA, RACE AND GENDER 3.0 UNITS
This multimedia course is an overview of the social and cultural implications of mass media on race and gender from the 1920s to the present. Using works of philosophical and cultural importance, students will analyze and debate the changes in the faces of media with a particular focus on social class, gender, and ethnicity.

C 08169 11:40a-1:05p Tu Th Bennett S C-207 Full Semester

CMSD 121, INTRODUCTION TO REPORTING AND NEWSWRITING 3.0 UNITS
An introduction to evaluating, gathering, and writing news across multiple platforms under newsroom conditions. Includes role of the journalist in a multi-media environment and the legal and ethical issues related to reporting. Writing experiences include: web-based and multi-media reporting, interviewing techniques, research methods, application of media law, writing under deadline and use of AP Style.

08604 6:00p-8:00p Th Staff ONLINE Full Semester

Hybrid instruction. A combination of online and on-campus instruction during the days and times indicated. Students log in to Canvas canvas.sac.edu. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

CMSD 123A, NEWS MEDIA PRODUCTION 4.0 UNITS
A production-based course designed around a functioning media organization, providing students practical training in print, digital and Web-based media through work as members of the campus news magazine El Don and its website eldonnews.org. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia and emerging technologies. Arranged laboratory hours (TBA) 10 hours per week.

C 08170 1:15p-3:20p M W Bennett S C-207 Full Semester

CMSD 123B, INTERMEDIATE NEWS MEDIA PRODUCTION 4.0 UNITS
An intermediate level production-based course designed around a functioning media organization, providing students practical training in print, digital and web-based media through work as members of the campus news magazine El Don and its website eldonnews.org. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia and emerging technologies. Completion of Communicatons & Media Studies 123A is required. Arranged laboratory hours (TBA)10 hours per week.
Prerequisite: Communications & Media Studies 123A with a minimum grade of C or equivalent college media course.

C 08171 1:15p-3:20p M W Bennett S C-207 Full Semester

CMSD 123C, ADVANCED INTERMEDIATE NEWS MEDIA PRODUCTION 4.0 UNITS
An advanced intermediate level production-based course designed around a functioning media organization, providing students practical training in print, digital and Web-based media through work as members of the campus news magazine El Don and its website eldonnews.org. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia and emerging technologies. Completion of Communicatons & Media Studies 123B is required. Arranged laboratory hours (TBA)10 per week.
Prerequisite: Communications & Media Studies 123B with a minimum grade of C or equivalent college media course.

C 08172 1:15p-3:20p M W Bennett S C-207 Full Semester

CMSD 123D, ADVANCED NEWS MEDIA PRODUCTION 4.0 UNITS
An advanced level production-based course designed around a functioning media organization, providing students practical training in print, digital, and Web-based media through work as members of the campus news magazine El Don and its website eldonnews.org. Students utilize a digital laboratory to gain practical experience in a variety of disciplines, including writing, editing, design, photography, audio, visual, multimedia, and emerging technologies. Completion of Communicatons & Media Studies 123C is required. Arranged laboratory hour (TBA)10 per week.
Prerequisite: Communications & Media Studies 123C with a minimum grade of C.

C 08173 1:15p-3:20p M W Bennett S C-207 Full Semester
CMDS 201, VISUAL REPORTING 2.0 UNITS
This course stresses how to perceive and select visual images through work with a digital camera, a computer, and related digital media & graphics software. Students learn the application and manipulation of images in digital form by focusing on telling stories through pictures and informational graphics. Students serve as visual reporters for campus media.

C 08174 1:15p-2:05p M W Bennett S C-207 Full Semester
1 hour 15 minutes arranged per week.

CMDS 210, INTERMEDIATE REPORTING AND NEWSWRITING 3.0 UNITS
This course is a continuation of Introduction to Newswriting and Reporting and focuses on coverage of public affairs reporting, including local and regional government, police, courts, school, and city boards. It includes both on- and off-campus reporting and writing, stressing news presentation for a variety of media purposes through multiple platforms.
Prerequisite: Communications & Media Studies 121 with a minimum grade of C.

C 08181 1:15p-2:40p M W Bennett S C-207 Full Semester

CMDS 222, WRITING ACROSS MEDIA 3.0 UNITS
For writing students seeking a better understanding of non-fictional prose genres focusing on narrative storytelling techniques for Web, Multimedia and Print. Emphasizes integration of writing skills across media formats.
Prerequisite: English 101, 101H or Communications & Media Studies 121 with a minimum grade of C.

C 08182 1:15p-2:40p M W Bennett S C-207 Full Semester

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

O 07549 10:05a-11:30a Tu Th Staff ZOOM 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.

O 07551 1:15p-2:40p M W Staff ZOOM Fully Online Live Instruction - Live streaming instruction via Zoom.

O 07552 1:15p-2:40p M W Bennett S C-207 Full Semester

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
**CMPR 105, VISUAL BASIC PROGRAMMING**  3.0 UNITS
Introduction to programming and Visual BASIC. Emphasis on programming fundamentals and the creation of applications with Visual BASIC. No previous programming experience required. Students will write programs on PC compatible computers.
Software Utilized: Microsoft Visual Basic.NET

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<thead>
<tr>
<th>Course Code</th>
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<th>Days</th>
<th>Instructor</th>
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<td>W</td>
<td>Sim J</td>
<td>A-208</td>
<td>Full Semester</td>
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This class meets on-campus.

**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

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

**CMPR 118, JAVASCRIPT PROGRAMMING**  3.0 UNITS
Students will be introduced to the syntax of JavaScript, the methods used to incorporate JavaScripts into HTML documents, and using JavaScripts to create interactive forms. Students will also learn to enhance Web pages through the use of interactive programming utilizing forms, frames, documents, Windows, loops, strings, and cookies.

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<td>Full Semester</td>
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This class meets 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.

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This class meets on-campus.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>07563</td>
<td>6:00p-9:10p</td>
<td>Tu</td>
<td>Kirscher J</td>
<td>A-215</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>9:10p-10:10p</td>
<td>Tu</td>
<td>Kirscher J</td>
<td>A-215</td>
<td></td>
</tr>
</tbody>
</table>

This class meets on-campus.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>07561</td>
<td>7:50a-9:15a</td>
<td>Aziz T</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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](https://canvas.sac.edu) There will be no instructional meetings.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>07562</td>
<td>7:50a-9:15a</td>
<td>Hester B</td>
<td>ONLINE</td>
<td>03/07-06/05</td>
</tr>
</tbody>
</table>

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](https://canvas.sac.edu) There will be no instructional meetings.

**CMPR 121, PROGRAMMING CONCEPTS**  3.0 UNITS
Continuing introduction to programming concepts, development of algorithms utilizing functions, classes, and the primary control structures. Program I/O; strings and arrays; data types; classes, and objects. Documentation techniques. Prerequisite: Computer Science 120 with a minimum grade of C.

Software Utilized: MS Visual C++.NET

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>07567</td>
<td>10:05a-11:30a</td>
<td>M W</td>
<td>Quach N</td>
<td>A-206</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>11:30a-12:00p</td>
<td>M W</td>
<td>Quach N</td>
<td>A-206</td>
<td></td>
</tr>
</tbody>
</table>

This class meets on-campus.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>07569</td>
<td>6:00p-9:10p</td>
<td>Quach N</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. [canvas.sac.edu](https://canvas.sac.edu) There will be no instruction on-campus.
SANTA ANA COLLEGE – SPRING 2022

CMPR 125, HELP DESK FUNDAMENTALS 3.0 UNITS
Introduction to Help Desk “soft skills,” such as effective communication, analytical thinking, diplomacy, problem solving, leadership, team building, and listening skills. In addition to learning necessary soft skills, students will be familiar with a help-desk environment, its function and organization.

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
<th>Day</th>
<th>Instructor</th>
<th>Location</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPR 125</td>
<td>10:45a-11:35a</td>
<td>M</td>
<td>Vu M</td>
<td>VHS</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>10:00a-11:05a</td>
<td>Tu Th</td>
<td>Staff</td>
<td>VHS</td>
<td></td>
</tr>
</tbody>
</table>

This class meets on-campus.

CMPR 131, DATA STRUCTURES CONCEPTS 3.0 UNITS
Application of simple Data Structures Concepts (ADT’s) including linked structures, stacks, queues, and trees. Use of pointers, recursion, sorting algorithms, classes, and object-oriented programming to implement data structures.
Prerequisite: Computer Science 121 with a minimum grade of C.

Software Utilized: MS Visual C+++.NET

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
<th>Day</th>
<th>Instructor</th>
<th>Location</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPR 131</td>
<td>6:00p-9:10p</td>
<td>M</td>
<td>Quach N</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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 134, MICROSOFT WINDOWS OPERATING SYSTEM 3.0 UNITS
Microsoft Windows operating system. Course topics include installation, configuration, application installation and management, hardware configurations, file and information management, security, managing user accounts, networking, digital media, system maintenance and management, desktop management, and utilization of cloud storage.

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
<th>Day</th>
<th>Instructor</th>
<th>Location</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPR 134</td>
<td>6:00p-9:10p</td>
<td>Th</td>
<td>Sim J</td>
<td>A-208</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

This class meets on-campus.

CMPR 138, COMPTIA NETWORK+ GUIDE TO NETWORKS 3.0 UNITS
This course prepares students how to install, configure, and troubleshoot a computer network is a highly marketable and exciting skill. This course first introduces the fundamental building blocks that form a modern network, such as protocols, media, topologies, and hardware. It then provides in depth coverage of the most important concepts in contemporary networking, such as TCP/IP, Ethernet, wireless transmission, virtual networks, security, and troubleshooting. Student will be prepared to pass CompTIA's Network+ N10-006 certification exam.

Software Utilized:  MS Visual C++.NET

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
<th>Day</th>
<th>Instructor</th>
<th>Location</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPR 138</td>
<td>6:00p-9:10p</td>
<td>M</td>
<td>Nguyen H</td>
<td>A-214</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

This class meets on-campus.

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
<th>Day</th>
<th>Instructor</th>
<th>Location</th>
<th>Schedule</th>
</tr>
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<tbody>
<tr>
<td>CMPR 140</td>
<td>6:00p-9:10p</td>
<td>W</td>
<td>Sweeney G</td>
<td>A-215</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

This class meets on-campus.

CMPR 153, A+ ESSENTIALS HARDWARE 3.0 UNITS
The A+ Essentials Hardware course maps to CompTIA's A+ Essentials Hardware Exam. Course covers topics related to installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing, and performing preventive maintenance of basic personal computer hardware. Lecture and hands-on experience in structured labs is included. The A+ Essentials Hardware course teaches necessary competencies for an entry-level IT professional. Topics include Personal Computer Components, Operating Systems, Networks, Security. Lecture and hands-on experience in structured labs is included. The A+ Essentials Hardware course maps to CompTIA's A+ Essentials Hardware Exam.

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
<th>Day</th>
<th>Instructor</th>
<th>Location</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPR 153</td>
<td>6:00p-9:10p</td>
<td>M</td>
<td>Nguyen H</td>
<td>HYBRID</td>
<td>02/07-04/03</td>
</tr>
</tbody>
</table>

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.

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
CMPR 154, A+ ESSENTIALS SOFTWARE 3.0 UNITS
The A+ Essentials Software course teaches necessary competencies for an entry-level IT professional. Topics include Personal Computer Components, Operating Systems, Networks, and Security. Lecture and hands-on experience in structured labs is included. The A+ Essentials Software course maps to CompTIA's A+ Essentials exam.

H 07581 6:00p-9:10p Tu Staff A-214
Nguyen H HYBRID 04/11-06/05
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

CMPR 167, MICROSOFT ACCESS 3.0 UNITS
Relational Database Management using Microsoft Access. Includes design, creation and maintenance of a RDBMS, reports and form generation, queries, importing and exporting data, macros and modules using Access Basic.

Software Utilized: MS Access 2016

O 07583 02/07-04/03
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 168, MS SQL DATABASE DEVELOPMENT APPLICATIONS 3.0 UNITS
Provides an introduction to relational database fundamentals and SQL programming skills in the Microsoft environment. Topics covered include relational database architecture, database design techniques, and simple and complex query skills. This course is a continuation of CMPR-167 in utilizing Microsoft Access to analyze large amounts of information and manage related data.

Software Utilized: MS SQL Access 2016

O 07584 04/11-06/05
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 169, STRUCTURED QUERY LANGUAGE (SQL) 3.0 UNITS
The course covers database concepts and the use of SQL (Structured Query Language). Completion of Computer Science 167 or equivalent is recommended.

Recommended Preparation: Computer Science 167 with a minimum grade of C.

07586 04/11-06/05
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 175, COMPTIA SECURITY+ GUIDE TO NETWORK SECURITY 3.0 UNITS
This course provides a comprehensive overview of network and information security topics such as threats, attacks, vulnerabilities, application/data/infrastructure security, cryptography, operational/organizational security, risk management, disaster recovery, business continuity, as well as computer forensics. The contents also map to the CompTIA Security+ certification objectives to prepare students for the exam. Recommended Preparation: CMPR 138 with a minimum grade of C

Recommended Preparation: Computer Science 138 with a minimum grade of C.

07587 6:00p-9:10p Th Nguyen H A-214 Full Semester
This class meets on-campus.

CMPR 205, ADVANCED VISUAL BASIC 3.0 UNITS
Advanced programming for those seeking to further develop their skills using Visual Basic programming language. Course will cover the advanced features of the Visual Basic programming language, data structures, and advanced programming techniques available with Visual Basic.

Prerequisite: Computer Science 105 with a minimum grade of C.

Software Utilized: MS Visual Basic.NET

C 07588 2:50p-4:15p M W Staff A-206 Full Semester
This class meets on-campus.
Counseling (CNSL)

CNSL 100, LIFELONG UNDERSTANDING AND SELF DEVELOPMENT 2.0 UNITS
Integrates concepts of lifelong understanding pertaining to career choice, educational planning, and self inventory. Skills, values, and interest assessments are utilized. Emphasis is on applying psychological principles to values clarification, goal setting, and decision making. Students analyze sociocultural conditioning and explore successful strategies for living in a diverse society.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Title</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>09561</td>
<td>CNSL 100, LIFELONG UNDERSTANDING AND SELF DEVELOPMENT</td>
<td>Tu Th</td>
<td>10:20a-11:25a</td>
<td>ZOOM</td>
<td>Cass A</td>
<td>Full Semester</td>
<td>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. 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.</td>
<td></td>
</tr>
<tr>
<td>08227</td>
<td>CNSL 104, PERSONAL AND GOAL DEVELOPMENT FOR EDUCATIONAL PLANNING</td>
<td>M</td>
<td>1:15p-3:20p</td>
<td>Gilmour D</td>
<td>I-106</td>
<td>Full Semester</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>06985</td>
<td>CNSL 111, CAREERS IN TEACHING</td>
<td>M W</td>
<td>8:30a-9:55a</td>
<td>Kelley M</td>
<td>A-207</td>
<td>Full Semester</td>
<td>On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings. There will be no instruction on-campus. Material Fee: $16.00</td>
<td>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.</td>
</tr>
<tr>
<td>06986</td>
<td>CNSL 114, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION</td>
<td>Tu Th</td>
<td>10:05a-11:30a</td>
<td>Nguyen T</td>
<td>ZOOM</td>
<td>04/11-06/05</td>
<td>Fully Online Instruction - Time-flexible online course with no scheduled meeting times</td>
<td>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.</td>
</tr>
<tr>
<td>06987</td>
<td>CNSL 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION</td>
<td>M W</td>
<td>11:40a-1:05p</td>
<td>Pastrana L</td>
<td>ZOOM</td>
<td>Full Semester</td>
<td>FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom</td>
<td>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.</td>
</tr>
</tbody>
</table>

Material Fee(s): $16.00
SANTA ANA COLLEGE – SPRING 2022

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

07182 4:25p-7:25p Th Mejia R I-106 Full Semester
Material Fee: $16.00

07150 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 Material Fee: $16.00 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.

07151 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 Material Fee: $16.00 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.

07152 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 Material Fee: $16.00 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.

07154 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 Material Fee: $16.00 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.

07155 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 Material Fee: $16.00 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.

07156 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 Material Fee: $16.00 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.

07157 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 Material Fee: $16.00 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.

07158 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 Material Fee: $16.00 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.

07159 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 Material Fee: $16.00 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.

07160 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 Material Fee: $16.00 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.
07161  Robledo R  ONLINE  04/11-06/05
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  Material Fee: $16.00 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.

07162  Brown A  ONLINE  04/11-06/05
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  Material Fee: $16.00 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.

CNSL 128, INTRODUCTION TO COMMUNITY ACTIVISM  3.0 UNITS
The study of issues facing communities and ways individuals can become involved in solving community problems. Introduces the study of communities in theory and practice: forces shaping past and present communities and issues defining contemporary communities. This course will facilitate the understanding of human beings as integrated physiological, psychological, and social entities within the context of communities and the process of change.

CNSL 122, STEM STUDY STRATEGIES  1.0 UNIT
This course examines and employs advanced study techniques for students in science, technology, engineering, and math courses. Effective learning processes will be strengthened through applying emotional intelligence concepts to group and classroom study, creating an exam preparation plan and formulating long and short term goals.

07184  11:10a-12:20p  F  Cutkomp J  A-207  Full Semester
MESA students only

CNSL 128, STEM STUDY STRATEGIES  1.0 UNIT
This course examines and employs advanced study techniques for students in science, technology, engineering, and math courses. Effective learning processes will be strengthened through applying emotional intelligence concepts to group and classroom study, creating an exam preparation plan and formulating long and short term goals.

07185  1:15p-4:15p  W  Beirne C  ZOOM  Full Semester
Ulink Program: Section 07185 is linked with English 103, Critical Thinking and Writing, section: 07878. Enrollment in all sections is mandatory. 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.

07186  1:15p-4:15p  W  Kelley M  ZOOM  Full Semester
Ulink Program: Section 07186 is linked with ENG-H 103 section: 04756, ANTH-101, section: 05128. Enrollment in both sections is mandatory. 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.

07187  1:15p-4:15p  W  Gonzalez Santillan R  ZOOM  Full Semester
Ulink Program: Section 07187 is linked to HIST 124, section: 05047. Enrollment in both sections is mandatory. 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.

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.

07194  10:05a-1:00p  M  Gonzalez Santillan R  I-101  Full Semester

07188  10:05a-1:00p  M  Muir S  ONLINE  02/07-04/03
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

07189  10:05a-1:00p  M  Macintyre M  ONLINE  02/07-04/03
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

07190  10:05a-1:00p  M  Muir S  ONLINE  04/11-06/05
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

07191  10:05a-1:00p  M  Macintyre M  ONLINE  04/11-06/05
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

07192  10:05a-1:00p  M  Muir S  ONLINE  04/11-06/05
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
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.

Additional information:
- There will be no instruction on-campus.
- Students are required to log in to Canvas by the first day of class for detailed information and required course work.
- There is no additional textbook cost for this ZTC class.
- To use Open Educational Resources (OER) for this class and will provide a link to your course materials.
### SANTA ANA COLLEGE – SPRING 2022

#### 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.

---

**ONLINE: Macintyre M ONLINE 04/11-06/05**

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](http://canvas.sac.edu)

### 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.

<table>
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<tr>
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<th>Instructor</th>
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<th>Start Date</th>
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</thead>
<tbody>
<tr>
<td>07195</td>
<td>1:15p-4:15p</td>
<td>W</td>
<td>Lockhart A</td>
<td>ZOOM</td>
<td>02/07-04/03</td>
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<td>Fully Remote Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="http://canvas.sac.edu">canvas.sac.edu</a>. There will be no instruction on-campus.</td>
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<tr>
<td>07196</td>
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<td>Robledo J</td>
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<td>04/11-06/06</td>
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<td></td>
</tr>
</tbody>
</table>

### CNSL 155, SKILLS FOR THE HELPING PROFESSIONS

**3.0 UNITS**

An exploration of processes for increasing mental flexibility and assisting people in getting resolution on life issues. Focus is on the theory and practice of methods which are based in inquiry, distinction, resolution, and integration. The role of self-responsibility and self-awareness will be emphasized.

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</tbody>
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### 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.

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<tr>
<td>08645</td>
<td>8:30a-9:55a</td>
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<td>Gonis Jr A</td>
<td>ZOOM</td>
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<td></td>
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<tr>
<td>08651</td>
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<td>Tu Th</td>
<td>Huskey J</td>
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<td>This class meets on-campus.</td>
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<td>VH 08654</td>
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<td>Staff</td>
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</tbody>
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**07193**

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](http://canvas.sac.edu)

**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.

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**CNSL 155, SKILLS FOR THE HELPING PROFESSIONS**

**3.0 UNITS**

An exploration of processes for increasing mental flexibility and assisting people in getting resolution on life issues. Focus is on the theory and practice of methods which are based in inquiry, distinction, resolution, and integration. The role of self-responsibility and self-awareness will be emphasized.

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### CRIMINAL JUSTICE (CJ)

#### CJ 101, INTRODUCTION TO CRIMINAL JUSTICE

**3.0 UNITS**

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</table>
### CJ 102, INTRODUCTION TO CORRECTIONS  
3.0 UNITS  
An introductory course in corrections in the criminal justice system. Emphasis on history, types, analysis, alternatives, and impacts of punishment. Critical examination of types of correctional institutions and persons housed in them, and examination of current issues and challenges in the corrections field.  
<table>
<thead>
<tr>
<th>Credit</th>
<th>Time</th>
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<th>Instructor</th>
<th>Location</th>
<th>Notes</th>
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</table>
| C | 08662 | 10:00a-1:10p | M | Jenkins M | H-207 | Full Semester  
This class meets on-campus. |
| C | 08839 | 7:30p-10:40p | Th | Kraus E | W-101 | Full Semester  
This class meets on-campus. |

### CJ 103, CONCEPTS OF CRIMINAL LAW  
3.0 UNITS  
Analysis of criminal liability and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. Limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes.  
<table>
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<tr>
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<th>Time</th>
<th>Day(s)</th>
<th>Instructor</th>
<th>Location</th>
<th>Notes</th>
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| C | 08713 | 6:55a-8:20a | Tu Th | Huskey J | H-207 | Full Semester  
This class meets on-campus. |
| OL | 08709 | 11:40a-1:05p | M W | Gonis Jr A | ZOOM | Full Semester  
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 | 08714 | 11:40a-1:05p | Tu Th | Huskey J | H-207 | Full Semester  
This class meets on-campus. |
| C | 08840 | 6:55a-8:20a | F | Maiocco M | H-207 | Full Semester  
This class meets on-campus. |

### CJ 105, LEGAL ASPECTS OF EVIDENCE  
3.0 UNITS  
This course examines categories of evidence and legal rules governing its admission and exclusion in the criminal process.  
<table>
<thead>
<tr>
<th>Credit</th>
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| OL | 08717 | 6:55a-8:20a | M W | Gonis Jr A | ZOOM | Full Semester  
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. |

### CJ 106, CORONER DEATH INVESTIGATIONS  
3.0 UNITS  
The investigation of homicides, suicides, accidents, and natural deaths. Emphasis on evidence collection and identification of cause of death. Topics include violent crime wounds, fire and electrical wounds, traffic collision fatalities, buried bodies, skeletal remains, and autopsy protocols.  
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</tr>
</thead>
</table>
| C | 08719 | 6:50a-10:00a | F | Maiocco M | H-207 | Full Semester  
This class meets on-campus. |

### CJ 107, PRINCIPLES AND PROCEDURES IN THE CRIMINAL JUSTICE SYSTEM  
3.0 UNITS  
An examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal, utilizing statutory law and state and constitutional law precedents.  
<table>
<thead>
<tr>
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<th>Time</th>
<th>Day(s)</th>
<th>Instructor</th>
<th>Location</th>
<th>Notes</th>
</tr>
</thead>
</table>
| H | 07475 | 11:40a-12:50p | M W | Staff | A-226 | Full Semester  
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 |

### CJ 109, COMMUNITY INTERACTION  
3.0 UNITS  
Examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict, with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics may include the consensus and conflicting values in culture, religion, and law.  
<table>
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<tr>
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<th>Location</th>
<th>Notes</th>
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</thead>
</table>
| VH | 08721 | 7:35p-9:05p | W | Staff | ZOOM | Full Semester  
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. |
### CJ 110, STREET GANGS
3.0 UNITS
An examination of street gangs in the United States, with emphasis on California and the local area. Topics include ethnic gangs, taggers, hate groups, and prison gangs, and current efforts to suppress their criminal activities, via enforcement, rehabilitation, and prevention.

<table>
<thead>
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<th>Term</th>
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<tr>
<td>08723</td>
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<td>Gomez E</td>
<td>H-207</td>
<td>Full Semester</td>
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</table>

This class meets on-campus.

### CJ 148, REPORT WRITING FOR CRIMINAL JUSTICE PERSONNEL
3.0 UNITS
To develop practical, precise report writing techniques as well as general writing skills applicable to law enforcement and corrections. **Recommended Preparation:** English 61X with a minimum grade of C.

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<td>Full Semester</td>
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</table>

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### CJ 205, CRIMINAL INVESTIGATION PRINCIPLES
3.0 UNITS
Techniques, procedures, and ethical issues in the investigation of crime. Emphasis upon organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, sources of information, utility of evidence, scientific analysis of evidence, and the role of the investigator in the trial process.

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### CJ 210, DRUG ABUSE AND CRIMINAL JUSTICE
3.0 UNITS
Study of the recognition, identification, and effects of illegal drugs: opiates, marijuana, hallucinogens, depressants, and stimulants. Emphasis will also be placed on investigation techniques, use of informants, search warrants, and treatment.

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<td>Cota R</td>
<td>W-101</td>
<td>Full Semester</td>
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</table>

This class meets on-campus.

### CRIMINAL JUSTICE ACADEMIES (CJA)

#### CJ 009B, FITNESS FOR LAW ENFORCEMENT
0.1 UNIT
Fitness training designed specifically for law enforcement applicants and those with an interest in entering a law enforcement basic police academy program.

- **Open Entry / Open Exit**

<table>
<thead>
<tr>
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<tbody>
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<td>Stevens H</td>
<td>CJTC-SD</td>
<td>01/31-02/14</td>
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<tr>
<td></td>
<td>Sa</td>
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<td>Staff</td>
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<tr>
<td></td>
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<tr>
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<td>10181</td>
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<td>CJTC-SD</td>
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<tr>
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<td>CJTC-SD</td>
<td></td>
</tr>
</tbody>
</table>

#### CJ 010, PRE-EMPLOYMENT PREPARATION FOR LAW ENFORCEMENT
1.5 UNITS
This course is designed to prepare students to successfully complete a law enforcement pre-employment application and testing procedures.

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
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<td>Staff</td>
<td>CJTC-SD</td>
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</tr>
</tbody>
</table>

#### CJ 026A, TRAINING ACADEMY PREPARATION
0.2 UNIT
This course is designed to prepare the student for the Basic Law Enforcement Academy (OCSA). It will include drill, ceremony, physical training, reporting, and speeches.

- **Open Entry / Open Exit**

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
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**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.
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.

<table>
<thead>
<tr>
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<th>Instructor</th>
<th>Delivery Method</th>
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<th>End Date</th>
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<tr>
<td>09254</td>
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<td>ONLINE</td>
<td>04/11-06/05</td>
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</table>

CULINARY ARTS (CULN)

CULN 100, INTRODUCTION TO CULINARY ARTS AND HOSPITALITY 3.0 UNITS
Practices and procedures for individuals interested in a career in the Culinary Arts and Hospitality or allied fields. Includes field trips to industry sites and interaction with professionals in the field.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Delivery Method</th>
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</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Delivery Method</th>
<th>Start Date</th>
<th>End Date</th>
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</tbody>
</table>

CULN 120, INTRODUCTION TO CULINARY SKILLS & PRINCIPLES 3.0 UNITS
Students will explore the fundamental skills of food preparation, kitchen organization, and basic cooking techniques, emphasizing in quality and professional standards used in a modern commercial kitchen. Laboratory work will include knife skills, stocks, broths, soups, sauces, and basic cooking techniques for vegetables, starches, meat, seafood, and poultry.

<table>
<thead>
<tr>
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<th>Instructor</th>
<th>Delivery Method</th>
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<th>End Date</th>
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<td></td>
<td></td>
<td>10:15a-1:25p Sa</td>
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</tr>
</tbody>
</table>

CULN 130, INTERNATIONAL CUISINE 3.0 UNITS
Students will explore the study of classical and modern cooking techniques associated with the preparation and service of international and ethnic cuisines. Topics include similarities between food production systems used in the United States and other regions of the world and the influence of the countries around the world in American cuisine. Advanced knife skills, cooking techniques, mise en place, time management, organizational skills, and quality standards are emphasized.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Delivery Method</th>
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<th>End Date</th>
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<td>Heremans T</td>
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</table>

CULN 150, PRINCIPLES OF PANTRY 2.0 UNITS
Introduction to the basic skills needed for a restaurant pantry station to produce quality salads, sandwiches, and cold sauce emphasized.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Delivery Method</th>
<th>Start Date</th>
<th>End Date</th>
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</thead>
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<td></td>
<td>Heremans T</td>
<td>T-212</td>
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<td></td>
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</table>

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.
CULN 299, COOPERATIVE WORK EXPERIENCE EDUCATION  
1.0 - 4.0 UNITS
This work experience course of supervised employment assists students to acquire desirable work habits, attitudes and skills in culinary arts. A student can earn 1 to 4 units per semester, up to a maximum of 16 units total. Additionally, students must work 75 paid hours or 60 non-paid hours per unit earned. Student repetition is allowed per Title 5, Section 55253. Prerequisite: Six units completed in Culinary Arts or Nutrition & Food degree/certificate courses.

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

DANCE (DNCE)

DNCE 009A, DANCE LABORATORY I  
0.5 UNIT
Studio rehearsal time, emphasizing progressive development in the creation of dance concert productions, repertory performances, and/or choreographic projects. Beginning level assignments change every semester. 27 hour earns 0.5 unit. Requires audition or instructor approval prior to enrollment.

Prerequisite: Dance 009A with a minimum grade of C. Requires audition or instructor approval prior to enrollment.

DNCE 009B, DANCE LABORATORY II  
0.5 UNIT
Studio rehearsal time, emphasizing progressive development in the creation of dance concert productions, repertory performances and/or choreographic projects. Beginning-intermediate level assignments change every semester. 27 hour earns 0.5 unit. Requires audition or instructor approval prior to enrollment.

Prerequisite: Dance 009A with a minimum grade of C.

DNCE 009C, DANCE LABORATORY III  
0.5 UNIT
Studio rehearsal time, emphasizing progressive development in the creation of dance concert production, repertory performances, and/or choreographic projects. Intermediate level assignments change every semester.

Prerequisite: Dance 009B with a minimum grade of C.

DNCE 009D, DANCE LABORATORY IV  
0.5 UNIT
Studio rehearsal time, emphasizing progressive development in the creation of dance concert production, repertory performances, and/or choreographic projects. Intermediate-advanced level assignments change every semester.

Prerequisite: Dance 009C with a minimum grade of C.

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

DNCE 101, DANCE AS COMMUNICATION  
3.0 UNITS
Introduction to how humans communicate through dance and perceive dance as communication by analyzing body language, nonverbal communication styles, multiple intelligences, and emotional expression. Students participate in written exercises and activities designed to enhance movement analysis tools to describe dance and interpret its meaning.
ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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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.

DNCE 105, WORLD DANCE AND CULTURES 3.0 UNITS
Dance around the world is studied in its cultural/social context. Emphasis on the different ways dance is used to express ideas about religion, cultural identity, myths, and social ideals. Includes cultures from Africa, Asia, Europe, India, Latin America, Middle East, and North America, plus a focus on Southern California.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Start/End</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
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<td>08164</td>
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<td>M W</td>
<td>Garcia R</td>
<td>I-107</td>
</tr>
<tr>
<td>07937</td>
<td></td>
<td></td>
<td>Garcia R</td>
<td>ONLINE</td>
</tr>
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</table>

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

DNCE 107, DANCE CONCERT PERFORMANCE 1.0 UNIT
Formal dance concert performance experience for dance students. Includes both rehearsal process and a minimum of three on-stage public performances.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Start/End</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tbody>
<tr>
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<td>12:00p-2:35p</td>
<td>F</td>
<td>Alduenda L</td>
<td>HYBRID</td>
</tr>
</tbody>
</table>

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

DNCE 123, INTRODUCTION TO SALSA DANCE 1.0 UNIT
An introduction to Salsa dance, including musicality, partnering, and patterns. Emphasis is on movement technique, dance vocabulary, social dance etiquette, and short compositional sequences. Historical and cultural context are studied.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Start/End</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tbody>
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<td>Garcia R</td>
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<tr>
<td>09682</td>
<td>6:00p-7:25p</td>
<td>F</td>
<td>Garcia R</td>
<td>G-108</td>
</tr>
</tbody>
</table>

DNCE 124, INTERMEDIATE SALSA DANCE 1.0 UNIT
Continued study in Salsa dance, including musicality, partnering, and patterns. Emphasis is on movement technique, vocabulary, and expression. Includes more complicated movements, complex patterns, and advanced dance combinations. Introduction to Salsa recommended.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Start/End</th>
<th>Days</th>
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<td>12:20p-1:45p</td>
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<td>Woodson C</td>
<td>G-108</td>
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<tr>
<td>07943</td>
<td>12:20p-1:45p</td>
<td>Tu Th</td>
<td>Allgaier J</td>
<td>G-108</td>
</tr>
<tr>
<td></td>
<td>1:45p-2:15p</td>
<td>Tu Th</td>
<td>Allgaier J</td>
<td>G-108</td>
</tr>
</tbody>
</table>

DNCE 201A, BALLET I 2.0 UNITS
Beginning level I ballet technique and terminology, including basic barre work, center work, and combinations en diagonale. Includes basic alignment, use of turnout, coordination, and ballet terminology. Dance 201A prepares the student for Dance 201B.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Start/End</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
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<td>12:20p-1:45p</td>
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<td>Woodson C</td>
<td>G-108</td>
</tr>
<tr>
<td>07943</td>
<td>12:20p-1:45p</td>
<td>Tu Th</td>
<td>Allgaier J</td>
<td>G-108</td>
</tr>
</tbody>
</table>

DNCE 201B, BALLET II 2.0 UNITS
Continuation of beginning ballet technique and terminology, including barre work, center work, and combinations en diagonale. Includes basic alignment, use of turnout, coordination, and ballet terminology for level II. Dance 201B utilizes additional combination work and prepares the student for Dance 213. Recommended Preparation: Dance 201A with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Start/End</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>07942</td>
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<td>Woodson C</td>
<td>G-108</td>
</tr>
<tr>
<td>07943</td>
<td>12:20p-1:45p</td>
<td>Tu Th</td>
<td>Allgaier J</td>
<td>G-108</td>
</tr>
</tbody>
</table>

DNCE 204A, DANCE PRODUCTION I 2.0 UNITS
Concert dance production experience culminating in public performances in Phillips Hall Theatre as part of the Spring Student/Faculty Dance Concert. Includes production basics, with an emphasis on performance techniques and working with faculty/student choreographers to create original dances. By audition only prior to enrollment.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Start/End</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>08187</td>
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<td>M W</td>
<td>Alduenda L</td>
<td>G-108</td>
</tr>
</tbody>
</table>
DNCE 204B, DANCE PRODUCTION II  2.0 UNITS
Concert dance production experience culminating in public performances in Phillips Hall Theatre as part of the Spring Student/Faculty Dance Concert. Includes production basics, with an emphasis on choreography to create original dances. By audition only prior to enrollment. 
Prerequisite: Dance 202B with a minimum grade of C or by audition only.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>08159</td>
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<td>M W</td>
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<td>G-108</td>
<td>Full Semester</td>
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<td></td>
<td>3:50p-4:20p</td>
<td>M W</td>
<td>Gillette</td>
<td>G-108</td>
<td></td>
</tr>
</tbody>
</table>

DNCE 204C, DANCE PRODUCTION III  2.0 UNITS
Continued study and refinement of concert dance production experience culminating in public performances in Phillips Hall Theater as part of the Spring Student/Faculty Dance Concert. Includes production elements, with an emphasis on performance techniques and working with student and/or faculty choreographers to create original dances. By audition only prior to enrollment.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
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<td>3:50p-4:20p</td>
<td>M W</td>
<td>Gillette</td>
<td>G-108</td>
<td></td>
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</tbody>
</table>

DNCE 204D, DANCE PRODUCTION IV  2.0 UNITS
Continued refinement and development of concert dance production experience culminating in public performances in Phillips Hall Theater as part of the Spring Student/Faculty Dance Concert. Includes production elements with an emphasis on choreography to create original dances. By audition only prior to enrollment.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Capacity</th>
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<td>3:50p-4:20p</td>
<td>M W</td>
<td>Gillette</td>
<td>G-108</td>
<td></td>
</tr>
</tbody>
</table>

DNCE 206A, MODERN DANCE I  2.0 UNITS
A beginning level modern dance class emphasizing movement technique, dance vocabulary, and creative individual expression. Includes an introduction to choreographic principles and cultural context of modern dance. Students learn modern dance exercises and short dance combinations. Prepares the student for Dance 206B.

<table>
<thead>
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<th>Days</th>
<th>Location</th>
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<td>11:40a-12:10p</td>
<td>Tu Th</td>
<td>Gillette</td>
</tr>
</tbody>
</table>

DNCE 206B, MODERN DANCE II  2.0 UNITS
Continued study in modern dance emphasizing movement technique, dance vocabulary, and creative individual expression. Includes an introduction to somatic approaches to dance training to support body connectivity. Dance 206B is a continuation and refinement of learning longer dance combinations at the beginning-intermediate level. 
Recommended Preparation: Dance 206A with a minimum grade of C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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</thead>
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<td>Gillette</td>
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<td></td>
<td>11:40a-12:10p</td>
<td>M W</td>
<td>White A</td>
</tr>
</tbody>
</table>

DNCE 209, MODERN DANCE III  2.0 UNITS
Provides the continuing modern dance student opportunity to concentrate on more advanced steps and development of technical skills and somatic approaches to dance at the intermediate level. Emphasizes combinations, choreography, and performance style. Dance 206A/206B recommended. 
Recommended Preparation: Dance 206A and/or Dance 206B with a minimum grade of C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08137</td>
<td>10:05a-11:30a</td>
<td>M W</td>
<td>White A</td>
</tr>
<tr>
<td></td>
<td>11:40a-12:10p</td>
<td>M W</td>
<td>White A</td>
</tr>
</tbody>
</table>

DNCE 210, MODERN DANCE IV  2.0 UNITS
Continuing study of modern dance technique including more complicated combinations and advanced material. Emphasizes somatic approaches to dance training, performance expression, and comparison of modern dance styles. 
Recommended Preparation: Dance 209 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08138</td>
<td>10:05a-11:30a</td>
<td>M W</td>
<td>White A</td>
</tr>
<tr>
<td></td>
<td>11:40a-12:10p</td>
<td>M W</td>
<td>White A</td>
</tr>
</tbody>
</table>

# Online Offerings
- **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.
DNCE 213, BALLET III  2.0 UNITS
Continued study of ballet technique and terminology of the intermediate level. Course includes center adagio, jumps with beats, pirouettes, and movement combinations. Intermediate variations are also learned and performed in class.
Recommended Preparation: Dance 201B with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08140</td>
<td>12:20p-1:45p</td>
<td>Tu Th</td>
<td>Allgaier J</td>
<td>G-108</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>1:45p-2:15p</td>
<td>Tu Th</td>
<td>Allgaier J</td>
<td>G-108</td>
<td></td>
</tr>
</tbody>
</table>

DNCE 214, BALLET IV  2.0 UNITS
Continuing study of technique and terminology at the intermediate-advanced level. Emphasizes longer, more intricate movement combinations and development of balletic style. Stresses expression and technique at intermediate-advanced level. Includes ballet history and comparisons of various ballet styles.
Recommended Preparation: Dance 213 with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08141</td>
<td>12:20p-1:45p</td>
<td>Tu Th</td>
<td>Allgaier J</td>
<td>G-108</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>1:45p-2:15p</td>
<td>Tu Th</td>
<td>Allgaier J</td>
<td>G-108</td>
<td></td>
</tr>
</tbody>
</table>

DNCE 219A, JAZZ DANCE I  2.0 UNITS
Beginning level 1 jazz dance emphasizing movement technique, vocabulary, and creative expression. Includes an introduction to choreographic principles and cultural context of jazz dance. Historical and contemporary forms are studied.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08147</td>
<td>4:30p-5:55p</td>
<td>Tu Th</td>
<td>Alduenda L</td>
<td>G-108</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>5:55p-6:25p</td>
<td>Tu Th</td>
<td>Alduenda L</td>
<td>G-108</td>
<td></td>
</tr>
</tbody>
</table>

DNCE 219B, JAZZ DANCE II  2.0 UNITS
Continued study in beginning jazz dance emphasizing movement technique, vocabulary and creative expression. Includes an introduction to choreographic principles and cultural context of jazz dance. Historical and contemporary forms are studied.
Recommended Preparation: Dance 219A with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08142</td>
<td>4:30p-5:55p</td>
<td>M W</td>
<td>Alduenda L</td>
<td>G-108</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08148</td>
<td>4:30p-5:55p</td>
<td>Tu Th</td>
<td>Alduenda L</td>
<td>G-108</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>5:55p-6:25p</td>
<td>Tu Th</td>
<td>Alduenda L</td>
<td>G-108</td>
<td></td>
</tr>
</tbody>
</table>

DNCE 220, JAZZ DANCE III  2.0 UNITS
Instruction for the continuing jazz dance student in intermediate jazz steps and further development of technical skills. Emphasis will be placed on combinations, choreography, performance style, and cultural context of jazz. Historical and contemporary forms are studied.
Recommended Preparation: Dance 219B with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08143</td>
<td>4:30p-5:55p</td>
<td></td>
<td>Alduenda L</td>
<td>G-108</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>5:55p-6:25p</td>
<td></td>
<td>Alduenda L</td>
<td>G-108</td>
<td></td>
</tr>
</tbody>
</table>

DNCE 221, JAZZ DANCE IV  2.0 UNITS
Continuing study of jazz dance concentrating on intermediate-advanced combinations with emphasis on movement technique, vocabulary, and performance style. Includes study of choreography, cultural context of jazz, and comparisons of historical and contemporary jazz styles.
Recommended Preparation: Dance 220 with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08145</td>
<td>4:30p-5:55p</td>
<td>M W</td>
<td>Alduenda L</td>
<td>G-108</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

DNCE 250A, HIP HOP DANCE I  2.0 UNITS
Introduction to hip-hop dance emphasizing movement technique, vocabulary, and creative expression. Includes an introduction to choreographic principles, improvisation, and cultural context of hip-hop.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08149</td>
<td>7:00p-8:25p</td>
<td>Tu Th</td>
<td>ESTRADA-ROMERO J</td>
<td>G-108</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>8:25p-8:55p</td>
<td>Tu Th</td>
<td>ESTRADA-ROMERO J</td>
<td>G-108</td>
<td></td>
</tr>
</tbody>
</table>

DNCE 250B, HIP-HOP DANCE II  2.0 UNITS
Continued study in hip-hop dance emphasizing movement technique, vocabulary, and creative expression. Includes improvisation, more difficult combinations, student compositions, and the cultural context of hip-hop. Movement repertoire differs from 250A.
Recommended Preparation: Dance 250A with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08150</td>
<td>7:00p-8:25p</td>
<td>Tu Th</td>
<td>ESTRADA-ROMERO J</td>
<td>G-108</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>8:25p-8:55p</td>
<td>Tu Th</td>
<td>ESTRADA-ROMERO J</td>
<td>G-108</td>
<td></td>
</tr>
</tbody>
</table>
DNCE 251, HIP-HOP DANCE III 2.0 UNITS
Instruction for the continuing dance student in intermediate level hip-hop dance technique and further development of performance skills. Emphasis will be placed on combinations, choreography, performance style, and cultural context of hip-hop.
Recommended Preparation: Dance 250B with a minimum grade of C.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday Wednesday Friday</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00p-7:25p</td>
<td>-</td>
<td>ESTRADA-ROMERO J</td>
<td>G-108</td>
</tr>
<tr>
<td>7:35p-10:05p</td>
<td>-</td>
<td>ESTRADA-ROMERO J</td>
<td>G-108</td>
</tr>
</tbody>
</table>

DIESEL (DSL)

DSL 131, DR TRAINE 4.5 UNITS
This course covers the drive train systems used on medium and heavy duty trucks. Primary focus includes the manual transmission, clutch, and rear axle systems. Correct service procedures and diagnosis of these systems are emphasized as required on modern medium and heavy duty vehicles. Field trips may be required.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday Wednesday Friday</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30a-9:55a</td>
<td>-</td>
<td>Cavanaugh J</td>
<td>J-109</td>
</tr>
<tr>
<td>10:05a-12:20p</td>
<td>-</td>
<td>Cavanaugh J</td>
<td>J-109</td>
</tr>
</tbody>
</table>

DSL 141, BRAKES 4.5 UNITS
This course covers the air and hydraulic brake systems used on modern medium and heavy duty trucks. Emphasis is placed upon utilizing the correct service and diagnostic procedures as required by the medium/heavy duty trucking industry. Field trips may be required.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday Wednesday Friday</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00a-9:10a</td>
<td>-</td>
<td>Vasilik R</td>
<td>J-109</td>
</tr>
<tr>
<td>9:20a-12:50p</td>
<td>-</td>
<td>Vasilik R</td>
<td>J-109</td>
</tr>
</tbody>
</table>

DSL 151, SUSPENSION AND STEERING 4.5 UNITS
This course covers the suspension and steering systems used on medium and heavy duty trucks. Primary focus includes frame, 5th wheel diagnosis and repair, wheel alignment, wheels, tires, hubs, and steering diagnosis. Correct service procedures and diagnosis of these systems are emphasized as required on modern medium and heavy duty vehicles. Field trips may be required.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday Wednesday Friday</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00p-7:25p</td>
<td>-</td>
<td>Lopez Garcia L</td>
<td>J-109</td>
</tr>
<tr>
<td>7:35p-10:05p</td>
<td>-</td>
<td>Lopez Garcia L</td>
<td>J-109</td>
</tr>
</tbody>
</table>

DSL 161, ELECTRICAL/ELECTRONIC SYSTEMS 5.0 UNITS
Diagnosis, service, and repair procedures for starting, charging, lighting, instruments, and multiplex systems. Wiring schematics, safety, and hands-on procedures are emphasized. Students must furnish approved safety glasses.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday Wednesday Friday</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00p-7:45p</td>
<td>-</td>
<td>Lopez Garcia L</td>
<td>J-109</td>
</tr>
</tbody>
</table>

DSL 181, PREVENTATIVE MAINTENANCE INSPECTION 3.0 UNITS
This course provides the student with basic knowledge and skills in medium and heavy duty truck maintenance. Safety, inspections, and hands-on practice are emphasized. This course helps students prepare for the T8 ASE exam.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday Wednesday Friday</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00p-2:20p</td>
<td>-</td>
<td>Lopez Garcia L</td>
<td>LINCOLN 02/07-05/08</td>
</tr>
<tr>
<td>2:30p-4:40p</td>
<td>-</td>
<td>Lopez Garcia L</td>
<td>LINCOLN</td>
</tr>
</tbody>
</table>

DIGITAL MEDIA (DM)

DM 100, INTRODUCTION TO ELECTRONIC MEDIA: TV, RADIO, FILM, AND THE INTERNET 3.0 UNITS
Survey of historical development, impact, and business practices of TV, radio, film, and the Internet. Emphasizes career opportunities and basic studio operations.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday Wednesday Friday</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30a-9:55a</td>
<td>-</td>
<td>Taylor M</td>
<td>DMC-103</td>
</tr>
</tbody>
</table>

DM 102, HISTORY OF GLOBAL CINEMA 3.0 UNITS
A survey course exploring global cinema as an art form, and developing appreciation of historical, artistic, and technical advances from the 1890s to the present, with focus on cinema from around the world.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday Wednesday Friday</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00a-9:10a</td>
<td>-</td>
<td>Hall J</td>
<td>ONLINE</td>
</tr>
</tbody>
</table>

ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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HYBRID: On-Campus Hybrid Instruction - A combination of on-campus meetings and online instruction
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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:
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.

08187 Taylor M ONLINE 02/07-04/03
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 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.

08190 Dermody M 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 Zero Textbook Cost (ZTC) class.

DM 105, HISTORY OF LATIN AMERICAN CINEMA 3.0 UNITS
A survey course exploring Latin-American cinema as an art form, and developing appreciation of historical, artistic, and technical advances from the 1890s to the present, aimed at fostering a lasting engagement with both film culture and Latin America.

08193 4:25p-7:35p Tu Staff A-210 Full Semester
90 hours arranged per semester.

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.

08554 Kumar A ONLINE 04/11-06/05
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 110, INTRODUCTION TO TELEVISION PRODUCTION 3.0 UNITS
Introduction to live, multi-camera production of television programs and operation of studio equipment. Includes overview of production theory, terminology and procedures, as well as hands-on training in use of cameras, audio, lighting, and control room apparatus for multi-camera productions.

08194 Dermody M DMC-135 Full Semester
90 hours arranged per semester.

DM 112, INTRODUCTION TO VIDEO EDITING AND POSTPRODUCTION 3.0 UNITS
Fundamental methods and techniques used to edit video for TV, film, web and multimedia. Hands-on training in basic operation of digital, non-linear editing system and software.

08195 1:15p-2:05p Tu Th Lunel E DMC-104 Full Semester
2:15p-3:35p Tu Th Lunel E DMC-104

ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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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:
DM 113, INTRODUCTION TO DIGITAL MEDIA DESIGN PRINCIPLES  
This course is for students entering a career in digital media and majors in the digital media field. This digital design course emphasizes critical examination of basic principles and elements of design in computer graphics. Students will not only produce designs, but examine the physiology and psychology behind fundamental elements of design, investigate their use in culture, as well as practice and reflect on how graphics, scale, and space can impact humans through visual design features and functions. Special focus on design for media applications, creative visual storytelling for digital applications.

08555  4:25p-5:15p  M W  Staff  DMC-104  Full Semester
08556  5:25p-6:50p  M W  Staff  DMC-104

DM 115A, SINGLE-CAMERA PRODUCTION AND EDITING  
Fundamental approaches and techniques utilized in single-camera production for television, film, web and multi-media. Hands-on training in operation of portable digital video and audio production equipment, as well as lighting.

08197  1:15p-2:05p  M W  Dunsmore S  DMC-104  Full Semester
08196  2:15p-3:35p  M W  Dunsmore S  DMC-104
08198  6:35p-7:25p  M W  Hall J  DMC-204  Full Semester
08199  7:35p-9:00p  M W  Hall J  DMC-204

DM 120, BEGINNING SCREENWRITING FOR DIGITAL MEDIA  
Designed to acquaint students with fundamental approaches to writing scripts for television, motion pictures, the web, corporate videos and digital media. Emphasis on the development of outlines, treatments, and scripts for short format programs or segments of feature-length shows.

08198  8:30a-9:55a  M W  Lunel E  DMC-103  Full Semester

DM 121, INTERMEDIATE SCREENWRITING FOR DIGITAL MEDIA  
Explores professional requirements for scriptwriters and their relationship to the production, direction and development of scripts for TV, film, the web, corporate videos and digital media. Strengthens fundamental writing skills. Prior enrollment in DM 120 recommended. Recommended Preparation: Digital Media 120 with a minimum grade of C.

08199  8:30a-9:55a  Tu Th  Lunel E  DMC-102  Full Semester

DM 121A, FUNDAMENTALS OF TYPOGRAPHY  
Introduction to the use of type styles, appropriate type selection and their characteristics as a means toward understanding design and communication through type solutions. Projects will explore current graphics industry practices and standards, including the use of digital technology and traditional hand skills. 
Prerequisite: Art 195 or Digital Media 195 with a minimum grade of C or contact instructor for portfolio review. A portfolio exhibiting equivalent to above listed prerequisite skillset.

Material Fee(s): $15.00

08556   McMillan J ONLINE 02/07-04/03

DM 121B, ADVANCED TYPOGRAPHY  
This course provides continued study in typography and appropriate type selection as a means for solving complex graphic design problems, such as illustrative type or multiple-page layout using traditional hand skills, digital technology and portfolio presentations. Recommended Preparation: Digital Media 195 or Arts 195 with a minimum grade of C. Students should have a fundamental understanding of typography, including type design, type categories, layout design and vector graphics prior to enrolling in this advanced-level course.

Material Fee(s): $15.00

08559   McMillan J ONLINE 02/07-04/03
## DM 122, GRAPHIC DESIGN I PRINCIPLES  
### 3.0 UNITS
Introduction to basic graphic design concepts, techniques and practices resulting in the production of effective visual communications. Projects combine text with images, using current industry standards and technology in print media and other design applications. Recommended Preparation: Digital Media 195 or Art 195 is recommended.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>08561</td>
<td>Graphic Design I Principles</td>
<td>ONLINE</td>
<td>04/11-06/05</td>
<td>Fitch A</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
</tbody>
</table>

## DM 123, ADVANCED SCREENWRITING FOR DIGITAL MEDIA  
### 3.0 UNITS
Explores professional requirements for writing screenplays for TV, film, and the web plus scripts for corporate videos and digital media. Advanced individual projects enhance student writing skills and body of work. Prior enrollment in Digital Media 121 recommended. Recommended Preparation: Digital Media 121 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>08200</td>
<td>Advanced Screenwriting for Digital Media</td>
<td>Tu Th</td>
<td>8:30a-9:55a</td>
<td>Lunel E</td>
<td>DMC-102</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

## DM 124, COOPERATIVE WORK EXPERIENCE - 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 to enable them to become productive employees. This course also provides students with career awareness of jobs. 75 hours of paid work or 60 hours of unpaid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>08568</td>
<td>Cooperative Work Experience - Occupational</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>McMillan J</td>
<td>canvas.sac.edu</td>
<td>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.</td>
</tr>
</tbody>
</table>

## DM 125, COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL  
### 1.0 - 6.0 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>08566</td>
<td>Cooperative Work Experience-Occupational</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>McMillan J</td>
<td>canvas.sac.edu</td>
<td>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.</td>
</tr>
</tbody>
</table>

## DM 130, BROADCASTING FOR NEWS & SPORTS  
### 3.0 UNITS
Introduction to broadcast journalism for TV and digital platforms with emphasis on writing, editing, and technical production of media newscasts. Emphasizes both field and studio reporting. Prior or concurrent enrollment in Television/Video Communications 110 recommended. Recommended Preparation: Digital Media 110 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>08543</td>
<td>Broadcasting for News &amp; Sports</td>
<td>Tu Th</td>
<td>10:05a-10:55a</td>
<td>Taylor M</td>
<td>DMC-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td>09055</td>
<td>Broadcasting for News &amp; Sports</td>
<td>M W</td>
<td>4:00p-5:25p</td>
<td>Garcia J</td>
<td>DMC-204</td>
<td>Full Semester</td>
</tr>
<tr>
<td>09057</td>
<td>Broadcasting for News &amp; Sports</td>
<td>Tu Th</td>
<td>6:00p-7:25p</td>
<td>Garcia J</td>
<td>DMC-204</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

## DM 142, ACTING FOR THE CAMERA  
### 3.0 UNITS
Techniques and disciplines of acting as applied to film and television production. Opportunity to practice and perform with emphasis on developing talents and skills required in acting for the screen (Same as Theatre Arts 113).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Enrollment Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>08583</td>
<td>Acting for the Camera</td>
<td>M W</td>
<td>1:50p-2:40p</td>
<td>Cannon C</td>
<td>P-105</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08584</td>
<td>Acting for the Camera</td>
<td>M W</td>
<td>2:50p-3:40p</td>
<td>Cannon C</td>
<td>P-105</td>
<td></td>
</tr>
<tr>
<td>08585</td>
<td>Acting for the Camera</td>
<td>Tu Th</td>
<td>4:00p-5:25p</td>
<td>Garcia J</td>
<td>DMC-204</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08586</td>
<td>Acting for the Camera</td>
<td>Tu Th</td>
<td>5:25p-6:55p</td>
<td>Garcia J</td>
<td>DMC-204</td>
<td></td>
</tr>
</tbody>
</table>

## DM 152, BEGINNING AUDIO PRODUCTION  
### 3.0 UNITS
Introduction to the theory and practice of audio production for radio, stage, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Instructor</th>
<th>Location</th>
<th>Enrollment Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>09055</td>
<td>Beginning Audio Production</td>
<td>M W</td>
<td>4:00p-5:25p</td>
<td>Garcia J</td>
<td>DMC-204</td>
<td>Full Semester</td>
</tr>
<tr>
<td>09056</td>
<td>Beginning Audio Production</td>
<td>M W</td>
<td>5:25p-6:55p</td>
<td>Garcia J</td>
<td>DMC-204</td>
<td></td>
</tr>
<tr>
<td>09057</td>
<td>Beginning Audio Production</td>
<td>Tu Th</td>
<td>6:00p-7:25p</td>
<td>Garcia J</td>
<td>DMC-204</td>
<td>Full Semester</td>
</tr>
<tr>
<td>09058</td>
<td>Beginning Audio Production</td>
<td>Tu Th</td>
<td>7:25p-8:55p</td>
<td>Garcia J</td>
<td>DMC-204</td>
<td></td>
</tr>
</tbody>
</table>

## 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.
DM 164, WEB DESIGN 3.0 UNITS
Introduction to web design using digital media tools; graphics, illustrations, text, sound, motion, using software programs for the web. Students research how software programs are used in business presentations, advertising, entertainment, and self-promotion. Overview of elements and principles of design and motion.

Material Fee(s): $10.00

08570  Clark S ONLINE 04/11-06/05
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

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.

08562  Fitch A ONLINE 04/11-06/05
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 170, DRONE PILOT LICENSE TEST PREP 0.5 UNIT
The class preps students to take the FAA Part 107 test, and other knowledge tests required by the FAA. To fly drones commercially, students need to pass an FAA drone pilot knowledge test.

08201  Nerhus K ONLINE 02/07-04/03
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.

08202  Nerhus K ONLINE 04/11-06/05
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.

DM 171, DRONE PILOT TRAINING 1.5 UNITS
Learn the ins-and-outs of legally flying a drone. The Drone Pilot Training course covers FAA rules and regulations, settings and features of drones, and supervised hands-on flight instruction with a licensed drone pilot. Drones provided for the class.

08203  10:05a-12:25p Sa  Nerhus K A-210 02/12-04/02
12:35p-4:10p Sa  Nerhus K A-210

08542  10:05a-12:10p Sa  Nerhus K A-210 04/11-06/05
12:20p-3:30p Sa  Nerhus K A-210

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.

08571  7:50a-9:15a M W  Fitch A DMC-104 Full Semester
9:15a-9:45a M W  Fitch A DMC-104

08572  Pham T ONLINE Full Semester
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

08576  Pastrana D ONLINE 04/11-06/05
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

08577  Clark S ONLINE 04/11-06/05
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
DM 196A, 3D MODELING: THE FUNDAMENTALS  3.0 UNITS
This is an introductory course in developing digital 3D models for video games, film, advertising and pre-visualization for product and architectural design. Focus is placed on building digital 3D characters, props and environments that will be used in students' own animated short film or video game ideas. By employing the teacher-provided project management tools, students gain hands-on experience in how animated and interactive media projects are developed. Industry-standard low and high poly modeling methods, which utilize normal map application, is emphasized to ensure optimized models with stunning detail.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>08579</td>
<td>Tu Th</td>
<td>6:35p-7:25p</td>
<td>Harants M</td>
<td>DMC-104</td>
<td>Full Semester</td>
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<td></td>
<td></td>
<td>7:35p-9:00p</td>
<td></td>
<td>DMC-104</td>
<td></td>
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</tbody>
</table>

DM 196B, 3D MODELING INTERMEDIATE  3.0 UNITS
Instruction in intermediate-level digital 3D modeling methods as used in video games, interactive media, television, film, previz, product illustration, architectural and bioscience visualization. Students are to model subjects geared to their chosen area of interest and then are provided instruction and guidance to increase proficiency, speed and communication skills required for professional 3D modelers.

Recommended Preparation: Art 196A with a minimum grade of C or a portfolio demonstrating equivalent skills to success at the intermediate level.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>08580</td>
<td>Tu Th</td>
<td>6:35p-7:25p</td>
<td>Harants M</td>
<td>DMC-104</td>
<td>Full Semester</td>
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<td>7:35p-9:00p</td>
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<td>DMC-104</td>
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</tbody>
</table>

DM 230A, BEGINNING NEWS & SPORTS PRODUCTION  3.0 UNITS
Beginning producing for broadcast journalism and sportscasting. Create content for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production.

Prior enrollment in DM 130 recommended.

Recommended Preparation: Digital Media 130 with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
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</thead>
<tbody>
<tr>
<td>08544</td>
<td>Tu Th</td>
<td>10:05a-10:55a</td>
<td>Taylor M</td>
<td>DMC-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11:05a-12:30p</td>
<td></td>
<td>DMC-103</td>
<td></td>
</tr>
</tbody>
</table>

DM 230B, INTERMEDIATE NEWS & SPORTS PRODUCTION  3.0 UNITS
Intermediate producing for broadcast journalism and sportscasting. Create content for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production.

Prior enrollment in DM 230A recommended.

Recommended Preparation: Digital Media 230A with a minimum grade of C.

<table>
<thead>
<tr>
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<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>08545</td>
<td>Tu Th</td>
<td>10:05a-10:55a</td>
<td>Taylor M</td>
<td>DMC-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11:05a-12:30p</td>
<td></td>
<td>DMC-103</td>
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</tbody>
</table>

DM 230C, ADVANCED NEWS & SPORTS PRODUCTION  3.0 UNITS
Advanced producing for broadcast journalism and sportscasting. Create content for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production.

Prior enrollment in DM 230B recommended.

Recommended Preparation: Digital Media 230B with a minimum grade of C.

<table>
<thead>
<tr>
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<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>08546</td>
<td>Tu Th</td>
<td>10:05a-10:55a</td>
<td>Taylor M</td>
<td>DMC-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11:05a-12:30p</td>
<td></td>
<td>DMC-103</td>
<td></td>
</tr>
</tbody>
</table>

DM 230D, EXECUTIVE NEWS & SPORTS PRODUCTION  3.0 UNITS
Executive producing for broadcast journalism and sportscasting. Oversee content creation for TV and digital platforms with emphasis on producing stories, newscasts, sportscasts and interviews. Hands-on production class. Emphasizes both field and studio production.

Prior enrollment in DM 230C recommended.

Recommended Preparation: Digital Media 230C with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Time</th>
<th>Instructor</th>
<th>Location</th>
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</tr>
</thead>
<tbody>
<tr>
<td>08547</td>
<td>Tu Th</td>
<td>10:05a-10:55a</td>
<td>Taylor M</td>
<td>DMC-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11:05a-12:30p</td>
<td></td>
<td>DMC-103</td>
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Low Cost or Free Textbooks
OER
ZTC
Honors Courses:
HONORS
DM 240, AGENCY FILM PRODUCTION 3.0 UNITS
This is a capstone course, where students will build upon skills and concepts developed in previous camera, editing and cinematography courses in order to learn how to produce and direct advertising agency productions. Prior enrollment in Digital Media 112, 115A, and 140 recommended.
Recommended Preparation: Digital Media 112, Digital Media 115A and Digital Media 140 with a minimum grade of C.

08548  
8:30a-9:55a  M W  Coyne C  R-128  Full Semester
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 255, MOTION PICTURE TECHNICAL PRODUCTION 3.0 UNITS
This course provides hands-on, practical experience in technical production, culminating in a fully produced film screened to the public. The final movie presentation becomes the basis for creating a production reel.

C 08549  
10:00a-10:50a  Sa  Demodory M  DMC-203  Full Semester
11:00a-6:00p  Sa  Demodory M  DMC-203

DM 256, INTERMEDIATE MOTION PICTURE TECHNICAL PRODUCTION 3.0 UNITS
This course provides hands-on practical experience in intermediate technical production, culminating in a fully produced film screened to the public. The final movie presentation becomes the basis for creating a production reel.
Recommended Preparation: Prior enrollment in Digital Media 255 is recommended.

C 08550  
10:00a-10:50a  Sa  Demodory M  DMC-203  Full Semester
11:00a-6:00p  Sa  Demodory M  DMC-203

DM 257, ADVANCED MOTION PICTURE TECHNICAL PRODUCTION 3.0 UNITS
This course provides hands-on practical experience in advanced technical producon, culminang in a fully produced film, screened to the public. The final movie presentation becomes the basis for creating a production reel.
Recommended Preparation: Digital Media 256

C 08551  
10:00a-10:50a  Sa  Demodory M  DMC-203  Full Semester
11:00a-6:00p  Sa  Demodory M  DMC-203

DM 260, LIGHTING FUNDAMENTALS 3.0 UNITS
Theory and practices of lighting including control systems and instruments as well as the techniques for proper installation, operation, maintenance, and safety.

C 08552  
9:05a-9:55a  M W  Mittler W  P-108  Full Semester
10:05a-11:30a  M W  Mittler W  P-100

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.

C 07641  
8:30a-9:55a  Tu Th  Coyne C  R-128  Full Semester

OL 07644  
10:20a-1:30p  F  Beach A  ZOOM  Full Semester
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 07642  
1:15p-2:40p  M W  Hughes P  SC-122  Full Semester

OL 07643  
7:35p-10:45p  W  Berekian B  ZOOM  Full Semester
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.

O 07645  
Coyne C  ONLINE  02/07-04/03
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 07646  
Coyne C  ONLINE  04/11-06/05
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
Zero Textbook Cost (ZTC)
Honors Courses: HONORS
OER
SANTA ANA COLLEGE – SPRING 2022 Page 116

ERTH 115, EARTH SCIENCE FOR EDUCATORS 4.0 UNITS
The study of the dynamic forces shaping the earth, including its oceans and atmosphere. This class is open to all majors but is oriented towards enhancing the earth science knowledge of future teachers. Also includes an introduction to the solar system. Half-day field trip required. Not open to students who are enrolled or have credit in Earth Science 110, Geology 101, or Geography 101.

07649 10:05a-1:05p Tu Hughes P SC-118 Full Semester
07649 10:05a-1:05p Th Hughes P SC-118 Full Semester
07648 7:35p-10:35p Tu Pomeroy D ZOOM Full Semester
07648 7:35p-10:35p Th Pomeroy D ZOOM Full Semester

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.

ECONOMICS (ECON) 3.0 UNITS

EC120, PRINCIPLES/MACRO
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. Preerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

04690 10:05a-11:30a M W Guerra F D-209 Full Semester
04678 6:25p-9:35p Tu Do H D-209 Full Semester
04692 6:25p-9:35p M Guerra F D-209 Full Semester
04629 10:05a-11:30a Guerra F ONLINE 02/07-04/03

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.

04630 10:05a-11:30a M W Guerra F ONLINE Full Semester

04664 6:25p-9:35p M Allen M ONLINE 04/11-06/05

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.

04673 6:25p-9:35p M Allen M ONLINE Full Semester

04675 6:25p-9:35p M Allen M ONLINE 02/07-04/03

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.

EC121, 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. Prequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

04722 11:40a-1:05p M W Guerra F D-209 Full Semester
04723 6:25p-9:35p M Allen M D-208 Full Semester
04694 11:40a-1:05p Guerra F ONLINE 04/11-06/05

Online Degree Pathway course. Registration open to all students. 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.

04698 11:40a-1:05p Allen M 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.
SANTA ANA COLLEGE – SPRING 2022

EDUC 113, TUTORING READING IN ELEMENTARY SCHOOLS 1.0 UNIT
An examination of effective tutoring strategies, focusing on the support for reading skills of elementary age children. Students are placed in local K-8 classrooms to gain experience with school-age children. Twenty+ service learning hours required in addition to lecture hours. Student must provide proof of negative TB screening.

EDUC 201, INTRODUCTION TO EDUCATION 3.0 UNITS
Introduction to the field of education including historical and philosophical perspectives; school governance and funding; societal influences and student diversity; school curriculum standards; professional standards and teaching performance expectations. Students will independently complete a minimum of 45 hours of Service Learning (structured observation and internship/fieldwork) in local public elementary school classrooms during the semester.
Recommended Preparation: Education 105 with a minimum grade of B.

EDUC 210, THE TEACHING EXPERIENCE: SECONDARY EDUCATION 3.0 UNITS
Introduction to the history, philosophy, and sociology of secondary education. This course will cover the California Teaching Performance Expectation and Assessment, needs of special populations, English learners, struggling readers, content standards, and major curriculum reform documents. Students participate in 45 hours of structured observation in a local secondary classroom.
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.

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 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 EMT 104.

EMGR 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.

ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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. There is no additional textbook cost for this ZTC class.

ENGR 100B, INTRODUCTION TO CIVIL ENGINEERING 2.0 UNITS
Introduction to the Civil Engineering and the related fields of architecture and construction. Includes an overview of academic programs, career information and preparation requirements, possible field trips and guest speakers.

ENGR 118, SURVEYING 3.0 UNITS
The course applies theory and principles of plane surveying: office computations and design; operation of surveying field equipment; and production of engineering plans/maps. Topics include distances, angles, and directions; differential leveling; traversing; property/ boundary surveys; topographic surveys/mapping; volume/earthwork; horizontal and vertical curves; land description techniques; and GPS. Extensive field work using tapes, levels, transits, theodolites, total stations, and GPS. Assists in passing the land surveyor-in-training exam.
Prerequisite: Mathematics 162 or Mathematics 170 with a minimum grade of C or transcripted high school trigonometry or pre-calculus.

ENGR 119, ADVANCED PLANE SURVEYING 3.0 UNITS
A second course in surveying with emphasis on coordinate geometry calculations. Topics include: route surveying with horizontal and vertical curves, topographic surveying and mapping, construction surveying, introduction to geospatial technologies, boundary surveying and surveys of public lands. Field surveying projects.
Prerequisite: Engineering 118 with a minimum grade of C; or Instructor may waive if student can show proof of industry experience in surveying equal to or greater than Engineering 118.

ENGR 122, ENGINEERING DRAWING 3.0 UNITS
Principles of engineering drawing: projections, views, sections, dimensions, tolerancing, assemblies, manufacturing processes, engineering drafting practices. Utilizing 2D CAD and 3D solid modeling CAD software. Suggested preparation: prior course or experience in drafting and CAD.

This class meets on-campus.
ENGR 124, ADVANCED MECHANICAL DRAFTING AND DESIGN 3.0 UNITS
Advanced topics in mechanical drafting and design: working drawings, fasteners, cams, gears, secondary auxiliary views, advanced sectioning, dimensioning, tolerancing, introduction to GD&T; design for manufacturability, and a focus on using 3D solid modeling CAD software. Suggested preparation: prior drafting or CAD course or experience (e.g., Engr 122 or 125).
Recommended Preparation: Engineering 122 or Engineering 125 with a minimum grade of C.

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This class meets on-campus.

ENGR 130A, CATIA I 3.0 UNITS
Introductory course in parametric solid modeling CAD using CATIA software, which is used extensively in the aerospace and automotive fields. Topics include: CAD overview, sketching, basic solid model creation (base features, pads, pockets, grooves, shafts, etc.) sketch constraints, reference elements, hole features, feature editing, assembly and drawing creation (Same as Manufacturing Technology 130A).

Software Utilized: CATIA V.5.R19

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This class meets on-campus.

ENGR 130B, CATIA II 3.0 UNITS
Intermediate course in parametric solid modeling CAD using CATIA software, which is used extensively in the aerospace and automotive fields. Topics: intermediate/advanced level sketching and modeling (sweeps, ribs, slots), feature editing and transformation, assemblies, drafting workbench, surface modeling, and other CATIA modules.
Recommended Preparation: Engineering 130A or Manufacturing Technology 130A with a minimum grade of C.

Software Utilized: CATIA V.5.R19

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This class meets on-campus.

ENGR 131, INTRODUCTION TO MECHATRONICS 0.5 UNIT
Course provides hands-on exposure to modern techniques in rapid prototyping, including: 3D printing, laser cutting, 3D scanning, and other processes used in mechatronics and engineering. Course provides a good introduction to the Engineering Mechatronics program.

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<th>Course</th>
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<th>Instructor</th>
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<td>10:00a-1:00p</td>
<td>Staff</td>
<td>SC-134</td>
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</table>

This class meets on-campus on Thursday, May 12, 19 & 26 from 10:00 am - 1:00 pm each day.

ENGR 154, REVIT AND CIVIL DRAFTING 4.0 UNITS
Course introduces Autodesk Revit, a 3D parametric CAD software that is an industry standard for architectural/civil design. Topics include 3D modeling, design, drawing creation, and BIM (building information modeling) concepts. Course also teaches creation of industry-standard drawings in civil engineering, architecture, and construction using industry-standard CAD software (AutoCAD, Civil 3D, and Revit). Topics include - views, line types, projection, annotations, and callouts. Prior course or experience with AutoCAD (e.g., Engr 183) and drafting is strongly suggested.

Software Utilized: REVIT

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<th>Course</th>
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This class meets on-campus.

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

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<tr>
<th>Course</th>
<th>Time</th>
<th>Instructor</th>
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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 184, AUTOCAD II 4.0 UNITS
A second course in Autodesk AutoCAD, an industry standard engineering CAD software, especially in the civil and architectural fields. Topics include: advanced dimensioning, viewports, hatches, blocks, plotting, attributes, inquiry, intermediate apps, working drawings, introduction to 3D CAD. Suggested preparation: prior course or experience with AutoCAD.

Software Utilized: AutoCAD 2020

VH 08031 6:00p-8:00p W Staff ONLINE Full Semester
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.

ENGR 185, CIVIL 3D 4.0 UNITS
Course teaches Autodesk Civil 3D - an industry standard CAD software for civil engineers. Topics include advanced modeling, model merging, project management, parcels, surveys, surfaces, alignments, profiles, 3D rendering, and presentation. Prior coursework or experience with AutoCAD is strongly suggested.

Software Utilized: AutoCAD 2014

VH 08032 6:00p-8:00p Th Staff ONLINE Full Semester
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 240, DYNAMICS 3.0 UNITS
Fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include kinematics of particle motion; Newton's second law, work-energy and momentum methods; kinematics of planar motions of rigid bodies; work-energy and momentum principles for rigid body motion; Introduction to mechanical vibrations.

Prerequisite: Engineering 235 with a minimum grade of C.

C 07694 1:15p-4:25p Tu Staff SC-134 Full Semester
Takahashi C This class meets on-campus.

ENGR 250, ELECTRIC CIRCUITS 3.0 UNITS
An introduction to the analysis of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts.

Corequisite: Mathematics 280 and Physics 227 with a minimum grade of C (Both may be taken concurrently).

C 07697 9:55a-1:05p F Staff SC-134 Full Semester
Takahashi C This class meets on-campus.

ENGR 250L, ELECTRIC CIRCUITS LABORATORY 1.0 UNIT
An introduction to the construction and measurement of electrical circuits. Basic use of electrical test and measurement instruments including multimeters, oscilloscopes, power supplies, and function generators. Interpretation of measured data under DC, transient, and sinusoidal steady-state (AC) conditions.

Corequisite: Engineering 250 with a minimum grade of C.

C 07700 1:20p-4:30p F Staff SC-134 Full Semester
Takahashi C This class meets on-campus. There is no additional textbook cost for this ZTC class.

ENGR 280, STRENGTH OF MATERIALS 3.0 UNITS
This course is a study of stresses, strains and deformations associated with axial, torsional and flexural loading of bars, shafts and beams, as well as pressure loading of thin-walled pressure vessels. The course also covers stress and strain transformation, Mohr's Circle, ductile and brittle failure theories, and the buckling of columns. Statically indeterminate systems are also studied.

Prerequisite: Engineering 235 with a minimum grade of C.

C 07701 6:00p-9:10p W Staff SC-134 Full Semester
Castellanos C This class meets on-campus.
ENGLISH (ENGL)

ENGL 061X, ACCELERATED INTRODUCTORY COMPOSITION SKILLS 5.0 UNITS
An introductory English course designed to prepare students for English 101, Freshman Composition, emphasizing sentence structure, paragraph writing, essay writing, and argumentation using reading-based modeling.
Recommended Preparation: Reading 101 OR Reading 101X is recommended to be taken concurrently.

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<tr>
<th>CRN</th>
<th>Section</th>
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<th>Days</th>
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</table>

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.

ENGL 066, ROUTE TO WRITING SUCCESS: FRESHMAN COMPOSITION LABORATORY 1.0 UNIT
Laboratory exercises are designed to explore and understand the reading process, the writing process, grammar and punctuation rules in order to successfully complete English 101. This class must be taken concurrently with an English 101 course.
Corequisite: English 101 must be taken concurrently.

ENGL 101, FRESHMAN COMPOSITION 4.0 UNITS
Expository and argumentative essays and the research paper. Special interest sections described in schedule of classes.
Prerequisite: English 061 or English 061X or English for Multilingual Students 112 with a minimum grade of C or qualifying profile from English placement process.

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<th>CRN</th>
<th>Section</th>
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<th>Code</th>
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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.

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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](http://canvas.sac.edu) There will be no instructional meetings.

---

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](http://canvas.sac.edu) There will be no instructional meetings.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Instructor</th>
<th>Type</th>
<th>Title</th>
<th>Mode</th>
<th>Notes</th>
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<td>04546</td>
<td>Ramshaw C</td>
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<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
<tr>
<td>04551</td>
<td>Axtell C</td>
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<td>Full Semester</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
<tr>
<td>04555</td>
<td>Simmerman S</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
<tr>
<td>04557</td>
<td>Bennett G</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
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<td>04558</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
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<td>04559</td>
<td>Sosta R</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
<tr>
<td>04564</td>
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</tr>
<tr>
<td>04566</td>
<td>Diller J</td>
<td>ONLINE</td>
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<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
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<td>04574</td>
<td>Higgins C</td>
<td>ONLINE</td>
<td>02/07-04/03</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
<tr>
<td>04582</td>
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<td>ONLINE</td>
<td>04/11-06/01</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
<tr>
<td>04584</td>
<td>Bootman A</td>
<td>ONLINE</td>
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<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
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<td>04588</td>
<td>Carey J</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
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<td>04589</td>
<td>Swanlund B</td>
<td>ONLINE</td>
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<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
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<td>04598</td>
<td>Ozima M</td>
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<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
<tr>
<td>04599</td>
<td>Elliott M</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
<tr>
<td>04600</td>
<td>Arnold G</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
<tr>
<td>04601</td>
<td>Chao I</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
</tr>
</tbody>
</table>

**Notes:**
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- **ON-CAMPUS:** On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.
- **ZTC:** Zero Textbook Cost.
- **ON-CAMPUS WVIRTUAL:** On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings.
- **OER:** Open Educational Resources.
- **HONORS:** Honors Courses.
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.

Bassett D ONLINE 02/07-04/03
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.

Vermillion M 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.

Bassett D ONLINE 04/11-06/05
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.

Villa B ONLINE Full Semester
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.

Bassett D ONLINE Full Semester
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.

Hunter C ONLINE 02/07-04/03
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Bassett D ONLINE Full Semester
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.

Wetrick A ONLINE Full Semester
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Arnold G ONLINE Full Semester
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Higgins C ONLINE 02/07-04/03
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ON-CAMPUS: On-Campus Instruction - On-campus and in-person with scheduled meeting days and times.
ENGL 101H, HONORS FRESHMAN COMPOSITION  
4.0 UNITS 
An enriched exposure to expository and argumentative essays and the research paper, requiring in-depth analysis of issues and substantive treatment of student-selected topics. 
Prerequisite: A college GPA or high school GPA for first-term college students of 3.0 or higher AND completion with a grade of "C" or better in EMLS 112, or ENGL 061X, or ENGL 061, or qualifying profile from English placement process. 

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

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Status</th>
<th>Term</th>
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<tr>
<td>04734</td>
<td>7:50a-9:55a</td>
<td>M W</td>
<td>Rocke B</td>
<td>I-109</td>
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<tr>
<td>04726</td>
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<td>M W</td>
<td>Beyersdorf M</td>
<td>D-109</td>
<td>Full Semester</td>
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<tr>
<td>04747</td>
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<td>D-102</td>
<td>Full Semester</td>
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<td>07308</td>
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<td>Arambula M</td>
<td>D-306</td>
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PUENTE: Section 07308 is linked to Counseling 100 section. Lifelong Understanding. Enrollment in all sections is mandatory. Please see the Freshman Success page in the class schedule for more information.

<table>
<thead>
<tr>
<th>CRN</th>
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<tr>
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<td>Kelley S</td>
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<td>04733</td>
<td>5:20p-7:25p</td>
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<td>Staff</td>
<td>D-201</td>
<td>Full Semester</td>
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<td>04725</td>
<td>6:00p-10:15p</td>
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<td>Enke N</td>
<td>D-208</td>
<td>Full Semester</td>
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<td>04730</td>
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<td>Tu Th</td>
<td>Staff</td>
<td>I-208</td>
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<tr>
<td>04728</td>
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Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu

<table>
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<th>CRN</th>
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<tr>
<td>04729</td>
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</table>

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.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Location</th>
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<td>Nguyen P</td>
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<td>04/11-06/05</td>
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</table>

Online Degree Pathway course. Registration open to all students. 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.

<table>
<thead>
<tr>
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<th>Location</th>
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<th>Term</th>
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<td>07878</td>
<td>11:00a-3:15p</td>
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<td>Lujan A</td>
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<td>Full Semester</td>
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</table>

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.

**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.
Prerequisite: Cumulative GPA of 3.0 or higher in college work (or high school for first-term students) and completion with a "C" or better of ENGL 101, or ENGL 101H

<table>
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<tr>
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<th>Instructor</th>
<th>Location</th>
<th>Status</th>
<th>Term</th>
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<tbody>
<tr>
<td>04756</td>
<td>10:05a-12:10p</td>
<td>Tu Th</td>
<td>Patterson K</td>
<td>D-110</td>
<td>Full Semester</td>
<td></td>
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Ulink Program: Section 04756 is linked with ANTH 101, section: 05128 and CNSL 128 section: 07186. Enrollment in all sections is mandatory.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
<th>Instructor</th>
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<th>Term</th>
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<tr>
<td>04754</td>
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<td>Bennett G</td>
<td>ONLINE</td>
<td>Full Semester</td>
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</table>

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[From canvas.sac.edu]
ENGL 104, LANGUAGE AND CULTURE  3.0 UNITS
General introduction to the processes of human communication emphasizing coextensive aspects of language and culture. Surveys core areas of linguistic anthropology; structural linguistics; biological basis of language; and sociolinguistics. Topics include acquisition of first and second languages, languages in contract, and the effects of both language and culture on inter/intra group communication. Languages spoken in the local area are used as basis of study.

04760  6:30p-9:40p  Th  Staff  ONLINE  ZOOM
   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.

ENGL 231, SURVEY OF ENGLISH LITERATURE I  3.0 UNITS
Introductory study of representative selections of British literature from the Anglo-Saxon period to the neo-classical period. Emphasis on authors best exemplifying their period, such as Chaucer, Shakespeare, Spenser, Jonson, Milton, Donne, Dryden, Johnson, Behn, Pope and others.
Prerequisite: English 101 or English 101H with a minimum grade of C.

04763  1:15p-2:40p  Tu Th  Patterson K  D-110  Full Semester

ENGL 242, SURVEY OF AMERICAN LITERATURE, 1865-PRESENT  3.0 UNITS
Survey of America's greatest works of literature and their contributions to the American culture from 1865 to present. Emphasizes the relationship between literary and intellectual history.
Prerequisite: English 101 or English 101H with a minimum grade of C.

04764  10:05a-11:40a  M W  Kelley S  D-102  Full Semester

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.

04765  11:40a-1:05p  Tu Th  Bootman A  I-206  Full Semester

04767  6:00p-9:10p  W  Patterson K  D-110  Full Semester

04766  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 271, SURVEY OF WORLD LITERATURE I  3.0 UNITS
Survey of selections from world masterpieces from the beginnings of writing through the 1600's. Literary works studied in historical context for artistic form, their influence on their culture and others, and general contribution to understanding human experience.
Prerequisite: English 101 or English 101H with a minimum grade of C.

04762  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.

ENGLISH FOR MULTILINGUAL STUDENTS (EMLS)  

EMLS 103, GRAMMAR FOR BETTER WRITING I  3.0 UNITS
Sentence refining course for multilingual students who can speak English but often make grammar mistakes when writing. Basic grammar including verb tenses, verbals, modals, nouns, pronouns, compound and complex sentences. Revision and editing.
Recommended Preparation: Concurrent enrollment English Multilingual Students 104 is recommended.

05814  10:05a-11:30a  M W  Mowrer M  D-207  Full Semester

EMLS 104, COLLEGE READING AND WRITING I  5.0 UNITS
Reading and paragraph-level writing course for bilingual students who need to develop skills in reading academic material and writing academic paragraphs. Emphasis on connection between reading and writing, responding to reading critically, following the writing process and editing.
ESLMM: Qualifying profile from ESL/EMLS placement process.

05819  7:35p-10:05p  Tu Th  Mowrer M  D-211  Full Semester

EMLS 105, GRAMMAR FOR BETTER WRITING II  3.0 UNITS
Sentence refining course for bilingual students who can speak English but often make grammar mistakes when writing. Grammar focus is on sentence level accuracy, including transitions, the passive voice and multi-clause sentences. Revision and editing.
Prerequisite: English Multilingual Students 103 with a minimum grade of C or qualifying profile from ESL/EMLS placement test.

05821  10:05a-11:30a  M W  Hassel E  D-211  Full Semester

ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.
# EMLS 106, COLLEGE READING AND WRITING II  
5.0 UNITS  
Reading and short essay-level writing course for bilingual students who need to improve skills in reading academic material and writing academic essays. Emphasis on connection between reading and writing, responding to reading critically, following the writing process and editing.  
Prerequisite: English Multilingual Students 104 with a minimum grade of C or qualifying profile from ESL/EMLS placement test.  
**C** 05817  
10:05a-12:35p  
Tu Th  
Mower M  
D-211  
Full Semester  

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# EMLS 110, INTRODUCTION TO THE ESSAY  
4.0 UNITS  
Introductory essay writing course for bilingual students who speak English fluently but make multiple grammar errors when writing. This composition course progresses from paragraph to essay, emphasizing basic expository modes, grammar review, critical reading, and revision and editing techniques.  
Prerequisite: EMLS 109 with a minimum grade of C or qualifying profile from ESL/EMLS placement process.  
**C** 05822  
10:05a-12:10p  
M W  
Staff  
I-209  
Full Semester  

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# EMLS 112, ADVANCED COMPOSITION  
4.0 UNITS  
Advanced-level writing course for bilingual students who are fluent in conversational English but make multiple grammar errors when writing. Emphasis is on complex expository modes, grammatical accuracy in writing, grammar review, research methods, critical reading skills, and revision and editing techniques.  
Prerequisite: EMLS 110 with a minimum grade of C or ESL 707 and LRN 750 with a minimum grade of P or qualifying profile from ESL/EMLS placement process and Passing Proficiency on the Reading Placement process.  
**C** 05823  
5:20p-7:25p  
Tu Th  
Staff  
D-207  
Full Semester  

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# EMLS N52A, BEGINNING AMERICAN ENGLISH PRONUNCIATION SKILLS  
3.0 UNITS  
Instruction in pronunciation of American English sounds, identifying commonly mispronounced sounds, and common sound spelling patterns. Not applicable to associate degree.  
**C** 05816  
6:00p-7:25p  
M W  
Mower M  
D-207  
Full Semester  

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## ENTREPRENEURSHIP (ENTR)  
3.0 UNITS  
Discover how the entrepreneurial mindset teaches life skills that can make you more successful now and at every stage of your life. Examine how that mindset affects the social, psychological, and physiological impact of those life skills. Learn the basics of how to start a business and learn how to think like an entrepreneur.  
**VH** 08056  
6:00p-8:00p  
Th  
Staff  
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](http://canvas.sac.edu). There will be no instruction on-campus.

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## ENVIRONMENTAL STUDIES (ENVR)  
3.0 UNITS  
Introduction to environmental geology, the interaction between the Earth and mankind. Global study of geologic resources, resource management, geologic hazards, and waste remediation.  
**C** 07656  
10:05a-11:30a  
M W  
Hughes P  
SC-122  
Full Semester  

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# ENVR 140, ENVIRONMENTAL GEOLOGY  
3.0 UNITS  
Introduction to Environmental Biology. Includes study of ecosystems, population dynamics, classification, diversity of plant and animal species, effects of pollutants at both the cellular and organismal levels, and principles of ecology. Field trips required.  
**C** 07431  
10:05a-11:30a  
Tu Th  
Moore S  
SC-111  
Full Semester  

**C** 07433  
6:55a-9:55a  
Tu  
Moore S  
SC-226  

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# ENVR 259, ENVIRONMENTAL BIOLOGY  
4.0 UNITS  
Introduction to Environmental Biology. Includes study of ecosystems, population dynamics, classification, diversity of plant and animal species, effects of pollutants at both the cellular and organismal levels, and principles of ecology. Field trips required.  
**C** 07431  
10:05a-11:30a  
Tu Th  
Moore S  
SC-111  
Full Semester  

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## 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.
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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
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</thead>
<tbody>
<tr>
<td>04879</td>
<td>11:40a-1:05p</td>
<td>Tu Th</td>
<td>Valles R</td>
<td>I-208</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>
| FULLY ONLINE: 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.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
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<tbody>
<tr>
<td>04876</td>
<td>9:05a-11:10a</td>
<td>Sa</td>
<td>Bonsall L</td>
<td>T-201</td>
<td>Full Semester</td>
</tr>
<tr>
<td>11:20a-2:30p</td>
<td>Sa</td>
<td>Bonsall L</td>
<td>T-201</td>
<td>Full Semester</td>
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</tbody>
</table>
| This class meets on-campus.

FASHION DESIGN MERCHANDISING (FDM)

FDM 052, KNIT AND SWIM SUIT SEWING 3.0 UNITS
Construction techniques to sew lingerie, bathing suits, athletic attire, and knit t-shirts. Emphasis is placed on serger and cover-stitch machine operation, fitting issues, and garment specification measurement techniques as related to knit garments for domestic and offshore production.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
<th>Instructor</th>
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<tr>
<td>08366</td>
<td>9:05a-11:10a</td>
<td>Sa</td>
<td>Bonsall L</td>
<td>T-201</td>
<td>Full Semester</td>
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<td>11:20a-2:30p</td>
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<td>Bonsall L</td>
<td>T-201</td>
<td>Full Semester</td>
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</table>
| This class meets on-campus.

FDM 080, EMBROIDERY 1.5 UNITS
Applied techniques of embroidered decorative embellishments using embroidery software and machinery.

<table>
<thead>
<tr>
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<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
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<tbody>
<tr>
<td>08362</td>
<td>9:05a-11:10a</td>
<td>Sa</td>
<td>Garcia K</td>
<td>T-213</td>
<td>04/16-06/04</td>
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<tr>
<td>11:20a-2:50p</td>
<td>Sa</td>
<td>Garcia K</td>
<td>T-213</td>
<td>04/16-06/04</td>
<td></td>
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</tbody>
</table>
| This class meets on-campus.

FDM 081, SCREEN PRINTING 1.5 UNITS
Application techniques of surface textures and patterns using screen printing techniques. Course includes digital application of artwork and preparation for printing. Recommend some Adobe Illustrator knowledge prior to taking this course.

<table>
<thead>
<tr>
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<th>Location</th>
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<tr>
<td>08363</td>
<td>Elston L ONLINE</td>
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<td>ONLINE</td>
<td>04/11-06/05</td>
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<td>08364</td>
<td>Elston L ONLINE</td>
<td></td>
<td></td>
<td>ONLINE</td>
<td>04/11-06/05</td>
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</tbody>
</table>
| 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.

FDM 100, INTRODUCTION TO THE FASHION INDUSTRY 3.0 UNITS
Introduction to the development, structure, and interrelationship of the global fashion industry, including: Consumer characteristics, product design, textile and apparel production, retail merchandising, brand marketing, distribution, and promotion. An introduction to apparel business organizations, their commercial processes and career opportunities. Oral, written, and multimedia reports on current topics relevant to the fashion industry.

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<th>Term</th>
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<tr>
<td>08369</td>
<td>8:00a-11:10a</td>
<td>Th</td>
<td>Benson K</td>
<td>T-201</td>
<td>Full Semester</td>
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</table>
| This class meets on-campus.

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<tr>
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</thead>
<tbody>
<tr>
<td>08367</td>
<td>Benson K ONLINE</td>
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<td>ONLINE</td>
<td>Full Semester</td>
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</tbody>
</table>
| 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
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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.
FDM 101, BUYING AND MERCHANDISING  3.0 UNITS
An introduction to retail buying. A foundation in retail principles associated with planning, buying, pricing, and merchandising is provided. Includes application of Microsoft Excel methods to create buying plans to satisfy consumer demands while aligning revenue and inventory requirements. Develop assortment planning, inventory management. SKU level demand analysis, inventory level evaluations, open to buy monitoring, and sales forecasting processes.

C 08370  1:15p-4:05p  W  Nance D  T-201  Full Semester
4:10p-5:00p  W  Nance D  T-201  This class meets on-campus.

FDM 103, FASHION SELECTION  3.0 UNITS
Apparel selection based on historical perspective, culture, and fashion trends. This course will examine the interrelatedness of socio-psychological, economic and political/religious influences on dress. Cross-cultural analysis and interpretation of Western and non-Western clothing behavior. The fashion professional uses this information to better design, produce, and select products to meet the needs of a culturally diverse consuming population.

C 08373  8:00a-11:15a  Tu  Melchor R  T-201  Full Semester
This class meets on-campus.

O 08372  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.

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.

VH 08376  11:00a-1:05p  M W  Benson K  ONLINE  Full Semester
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 08377  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.

H 08378  11:00a-1:05p  M W  Benson K  HYBRID  Full Semester
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 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.

O 08379  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.

VH 08380  6:00p-9:00p  M  Robinson K  ONLINE  Full Semester
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.
FDM 106, ADVANCED SEWING
Advanced clothing construction techniques appropriate for creating custom garments. Emphasis is placed on working with designer patterns, complex contemporary fabrics, couture sewing techniques, and embellishment techniques. Embellishment techniques include tambour beading, sequins, and heirloom techniques. Projects include a custom formal occasion garment, an heirloom embellishment, and a collection of hand sewn samples.
Recommended Preparation: Fashion Design Merchandising 105A with a minimum grade of C.

H 08442 11:00a-1:05p M W Benson K HYBRID Full Semester
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

H 09024 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

FDM 107, CUSTOM TAILORING
Advanced sewing students will apply traditional tailoring techniques in completing a lined suit or coat, including hand pad stitching and edge tapping.

C 08444 9:05a-9:50a Sa Bonsall L T-201 Full Semester
10:00a-1:10p Sa Bonsall L T-201
This class meets on-campus.

FDM 108, RTW APPAREL QUALITY AND CONSTRUCTION ANALYSIS
An analysis of ready-to-wear apparel for quality evaluation of materials, construction, design, fit, care, and pricing related to consumer buying expectations. Introduction and application of garment industry manufacturing processes using production equipment to mass produce consumer products. Includes Enterprise Resource Planning (ERP), retail math, and Product Data Management (PDM) training. Students will learn how to design concepts through the sourcing, costing, and production process to create a specifications/technical package. Includes concepts of sizing and principles of fit.

C 08446 1:15p-4:15p M Elston L T-201 Full Semester
This class meets on-campus.

C 08445 Elston L 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.

FDM 113, FASHION DRAPING
Basic techniques of draping flat fabric into three dimensional garment styles on the dress form to create first patterns. Students are required to sew their sample garments. Recommended Preparation: Fashion Design Merchandising 105A is recommended.

C 08448 12:05p-2:10p Th Bonsall L T-201 Full Semester
2:25p-5:35p Th Bonsall L T-201
This class meets on-campus.

C 08449 Bonsall L 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.

FDM 114, 3D DESIGN
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.

C 08450 Staff ONLINE 04/18-06/05
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 08451 Carrillo 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.
### FDM 140, FASHION E-COMMERCE 3.0 UNITS
Learn how to create and manage an E-commerce store. Study of the operations of an established fashion E-Commerce retail business. Concepts of merchandising include buying, pricing, stock control, credit, credit control, omni-channel strategies, logistics, layout, customer service, marketing, and analytical software.

<table>
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<tr>
<th>Course Code</th>
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<th>Delivery Type</th>
<th>Credits</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>08458</td>
<td>Carrillo J</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
</tbody>
</table>

### FDM 215, COMPUTER FASHION ILLUSTRATION 3.0 UNITS
Computerized fashion illustration is taught using computer software. Software programs include Adobe Illustrator, Photoshop, InDesign, and embroidery software. Student needs to know how to manually draw trade flats and posed figures prior to enrolling. Recommended Preparation: Fashion Design Merchandising 111A.

<table>
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<tr>
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<tr>
<td>08459</td>
<td>Benson K</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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.</td>
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</table>

### FDM 216, COMPUTERIZED GARMENT PATTERN DRAFTING 3.0 UNITS
Computerized apparel pattern drafting is taught using Tuka Tech 2D and 3D design software as tools. Students will create original garment designs, draft the patterns on the computer, and virtually sew them up on the 3D software using an avatar fit model to create a sample line video. Instruction also includes pattern size grading, and marking. Prior to enrollment, students must be able to manually draft patterns, grade patterns, and sew. Recommended Preparation: Fashion Design Merchandising 109

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<tr>
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<tr>
<td>08465</td>
<td>Benson K</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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.</td>
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</table>

### 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

<table>
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<tr>
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<tbody>
<tr>
<td>08866</td>
<td>Benson K</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>Fully Online instruction. No on-campus meetings required. Students are required to logon to Canvas on the first of classes. canvas.sac.edu</td>
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</tbody>
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**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  
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ONLINE:

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.

FIRE ACADEMY (FAC)

FAC 008, BIDDLE PHYSICAL ABILITY TEST (PAT) EXAMINATION 0.1 UNIT
The Los Angeles County and Orange County Fire Chief's Physical Ability Test is designed to examine the physical ability of the individual when it comes to performing the functions or tasks of a firefighter.

C 09155 7:30a-8:30a Su Meloni J JPT-CN 02/27-02/27
C 09156 7:30a-8:30a Su Meloni J JPT-CN 03/20-03/20
C 09157 7:30a-8:30a Su Meloni J JPT-CN 04/24-04/24
C 09158 7:30a-8:30a Su Meloni J JPT-CN 05/15-05/15

FAC 018B, BEGINNING FIRE PHYSICAL ABILITY TRAINING 0.1 - 0.5 UNITS
Students will be introduced to the events of the "Biddle" Fire Fighter Physical Ability Test (Fire Academy 008). This is a supplemental learning assistance course designed to prepare the student for participation and successful completion of FAC 008. Students will perform physical exercise using fire hose, ladders, stairs, TRX, kettlebells and other equipment. Students will learn proper body mechanics; correct lifting techniques and appropriate physical conditioning principles.

Open Entry / Open Exit

C 09160 8:45a-10:45a F Coots C CJTC-SD Full Semester
C 09159 6:00p-8:00p W Coots C CJTC-SD Full Semester

FAC 018C, INTERMEDIATE FIRE PHYSICAL ABILITY TRAINING 0.1 - 0.5 UNITS
Students will practice the individual events of the "Biddle" Fire Fighter Physical Ability Test (Fire Academy 008). This is a supplemental learning assistance course designed to prepare the student for participation and successful completion of FAC 008. Students will perform physical exercise using fire hose, ladders, stairs, TRX, kettlebells and other equipment. Students will learn proper body mechanics; correct lifting techniques and appropriate physical conditioning principles.

Open Entry / Open Exit

C 09162 8:45a-10:45a F Coots C CJTC-SD Full Semester
C 09161 6:00p-8:00p W Coots C CJTC-SD Full Semester

FAC 018D, ADVANCED FIRE PHYSICAL ABILITY TRAINING 0.1 - 0.5 UNITS
Students will practice and condition for successful completion of the "Biddle" Fire Fighter Physical Ability Test (Fire Academy 008). This is a supplemental learning assistance course designed to prepare the student for participation and successful completion of FAC 008. Students will perform physical exercise using fire hose, ladders, stairs, TRX, kettlebells and other equipment. Students will learn proper body mechanics; correct lifting techniques and appropriate physical conditioning principles.

Open Entry / Open Exit

C 09164 8:45a-10:45a F Coots C CJTC-SD Full Semester
C 09163 6:00p-8:00p W Coots C CJTC-SD Full Semester

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.

OL 09118 8:35a-11:45a Tu Conroy D ZOOM Full Semester

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 09120 11:55a-3:05p W Pesqueira N A-128 Full Semester
This class meets on-campus.
### FTC 101, FIRE TECHNOLOGY 101
This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; community risk reduction; organization and operation of a fire prevention bureau; use and application of codes and standards; plan review; fire inspections; fire and life safety education; and fire investigation.

<table>
<thead>
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<th>Instructor</th>
<th>Location</th>
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<tbody>
<tr>
<td>FTC 101</td>
<td>7:00p-10:10p</td>
<td>Lunde T</td>
<td>ONLINE</td>
<td>There will be no instructional meetings.</td>
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<tr>
<td>FTC 102</td>
<td>11:55a-3:05p</td>
<td>Flint J</td>
<td>ONLINE</td>
<td>Fully Remote Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instruction on-campus.</td>
</tr>
<tr>
<td>FTC 103</td>
<td>7:00p-10:10p</td>
<td>Garrett B</td>
<td>A-128</td>
<td>Full Semester</td>
</tr>
<tr>
<td>FTC 104</td>
<td>8:35a-11:45a</td>
<td>Mead F</td>
<td>ONLINE</td>
<td>Fully Remote Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instruction on-campus.</td>
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<tr>
<td></td>
<td>7:00p-10:10p</td>
<td>Horner S</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
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<td>7:00p-10:10p</td>
<td>Mead F</td>
<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
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<td>8:35a-11:45a</td>
<td>Freeman S</td>
<td>ONLINE</td>
<td>Fully Remote Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instruction on-campus.</td>
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<td>7:00p-10:10p</td>
<td>Freeman S</td>
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<td>Fully Remote Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instruction on-campus.</td>
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<td>7:00p-10:10p</td>
<td>Muir J</td>
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<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
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<td>7:00p-10:10p</td>
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<td>ONLINE</td>
<td>Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. <a href="https://canvas.sac.edu">canvas.sac.edu</a> There will be no instructional meetings.</td>
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**FTC 102, FIRE BEHAVIOR AND COMBUSTION**
This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.

**FTC 103, PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL**
This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.

---

**FTC 104, FIRE PREVENTION**
This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; community risk reduction; organization and operation of a fire prevention bureau; use and application of codes and standards; plan review; fire inspections; fire and life safety education; and fire investigation.

FTC 101 and FTC 102: Fire Technology 101 and 102 with minimum grade of C.
FTC 105, BUILDING CONSTRUCTION FOR FIRE PROTECTION  
This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies. 
FTC 101 and FTC 102: Fire Technology 101 and 102 with minimum grade of C.

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</table>

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](http://canvas.sac.edu) There will be no instructional meetings.

FTC 106, FIRE PROTECTION SYSTEMS  
This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers. 
Prerequisite: Fire Technology 101 and 102 with minimum grade of C.

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<td>Pesqueira N</td>
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FTC 121, PHYSICAL FITNESS FOR PUBLIC SAFETY PERSONNEL  
This lecture class provides information on exercise physiology and nutrition as it relates to public safety personnel. Topics include the components of a fitness program such as metabolic fitness, muscular fitness, body composition and flexibility. Other topics include the FITT principle, specificity, and injury prevention and treatment. 
Co-Requisite: Concurrent enrollment in Fire Technology 121L.

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**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) 
Honors Courses: (ZTC) 
HONORS
SANTA ANA COLLEGE – SPRING 2022

FPC 121L. PHYSICAL FITNESS FOR PUBLIC SAFETY PERSONNEL - PERFORMANCE AND ASSESSMENT 0.3 UNIT
Student will participate in physical fitness and fire-specific activities. Focus is on preparing individual fitness, health, and physical ability for job requirements. Students will be advised of the specific dates and times for the Lab/Physical Ability Practice sessions during first week of the semester at the lab orientation.
Co-Requisite: Concurrent enrollment in Fire Technology 121.

09144  On-Campus Hybrid instruction. A combination of on-campus Lab meetings and online instruction. Students log in to Canvas canvas.sac.edu. All registered FTC 121L students must attend ONE of the five scheduled orientations by online instruction/Zoom: Mon. 02/07, 3:15p-4:05p; Tues. 02/08, 6:00p-6:50p; Wed. 02/09, 3:15p-4:05p; Wed. 02/09, 6:00p-6:50p; Thurs. 02/10, 11:55a-12:45p. 16.0 hours to be arranged

09146  On-Campus Hybrid instruction. A combination of on-campus Lab meetings and online instruction. Students log in to Canvas canvas.sac.edu. All registered FTC 121L students must attend ONE of the five scheduled orientations by online instruction/Zoom: Mon. 02/07, 3:15p-4:05p; Tues. 02/08, 6:00p-6:50p; Wed. 02/09, 3:15p-4:05p; Wed. 02/09, 6:00p-6:50p; Thurs. 02/10, 11:55a-12:45p. 16.0 hours to be arranged

09148  All registered FTC 121L students must attend ONE of the five scheduled orientations in E-108: Mon. 02/07, 3:15p-4:05p; Tues. 02/08, 6:00p-6:50p; Wed. 02/09, 3:15p-4:05p; Wed. 02/09, 6:00p-6:50p; Thurs. 02/10, 11:55a-12:45p. 16.0 hours to be arranged

09150  On-Campus Hybrid instruction. A combination of on-campus Lab meetings and online instruction. Students log in to Canvas canvas.sac.edu. All registered FTC 121L students must attend ONE of the five scheduled orientations by online instruction/Zoom: Mon. 02/07, 3:15p-4:05p; Tues. 02/08, 6:00p-6:50p; Wed. 02/09, 3:15p-4:05p; Wed. 02/09, 6:00p-6:50p; Thurs. 02/10, 11:55a-12:45p. 16.0 hours to be arranged

C 09153  All registered FTC 121L students must attend ONE of the five scheduled orientations in E-108: Mon. 02/07, 3:15p-4:05p; Tues. 02/08, 6:00p-6:50p; Wed. 02/09, 3:15p-4:05p; Wed. 02/09, 6:00p-6:50p; Thurs. 02/10, 11:55a-12:45p. 16.0 hours to be arranged

FRENCH (FREN)

FREN 101, ELEMENTARY FRENCH I 5.0 UNITS
A college level French course focusing on fundamentals of pronunciation and grammar, basic vocabulary (including common idioms), simple conversation and composition. Supplementary cultural readings. French 101 is equivalent to two years of high school French.

C 04411  10:05a-12:35p  Tu Th  Curilli C  D-302  Full Semester
VH 04412  4:25p-6:55p  Tu  Staff  HYBRID  Full Semester

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, 2/8, 3/1, 3/29, 4/26, and 5/31 from 4:25-6:55 p.m.

FREN 102, ELEMENTARY FRENCH II 5.0 UNITS
A college level French course focusing on further training in pronunciation and grammar, more extensive vocabulary development, conversation and composition. Supplementary cultural readings. French 102 is equivalent to the third year of high school French. Prerequisite: French 101 with a minimum grade of C or two years of high school French with a passing grade.

C 04432  4:25p-6:55p  M W  Nguyen M  D-302  Full Semester

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.

C 04752  10:05a-11:30a  Tu Th  Conley J  D-202  Full Semester
04745  COURER W  ONLINE 02/21-06/05
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.

04749  COURER W  ONLINE 02/07-04/03
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
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ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.

ONLINE: Low Cost or Free Textbooks
FULLY ONLINE: OER
HYBRID: ZTC
VIRTUAL HYBRID: Honors Courses:
ON CAMPUS W/VIRTUAL: ON-CAMPUS: HONORS

Honors Courses:

Free Textbooks

ZTC

OER

Honors Courses:

ON-CAMPUS: HONORS
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.

C 04755 11:40a-1:05p Tu Th Conley J D-202 Full Semester
O 04757 ONLINE Full Semester
Full 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 04758 ONLINE 04/11-06/05
Full 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 04761 ONLINE 02/21-06/05
Full 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, geomorphic models and processes, and landform interpretation.
Corequisite: Concurrent enrollment in Geography 101.

O 04795 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.

O 04796 ONLINE 04/11-06/05
Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work.

O 04797 ONLINE 02/21-06/05
Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work.

GEOG 102, CULTURAL GEOGRAPHY 3.0 UNITS
An introductory survey of the geography of culture, and the influences of the physical environment on culture, along with the impact of human activity on the environment, and the role of culture within societies and social groups. The course includes global patterns of population, migration, religion, language, agriculture, politics, customs, resources, and urban and rural settlement.

O 04797 ONLINE 02/21-06/05
Fully Online instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work.

GEOLOGY (GEOL)

GEOL 101, INTRODUCTION TO GEOLOGY 3.0 UNITS
Introductory course for students in any major. Study of the internal and external processes that shape the earth (earthquakes, volcanoes, groundwater, streams, landslides). Optional field trip offered.
Recommended Preparation: Concurrent enrollment in Geology 101L is recommended.

C 07650 8:30a-9:55a M W Hughes P SC-122 Full Semester
C 07651 10:05a-11:30a Tu Th Coyne C SC-122 Full Semester
C 07652 7:35p-10:35p M Macias A SC-122 Full Semester

GEOL 101L, INTRODUCTION TO GEOLOGY LABORATORY 1.0 UNIT
Study of the common minerals and rocks. Map reading and interpretation of geology using topographic maps, geologic maps, and aerial photos.
Prerequisite: Geology 101 with a minimum grade of C or concurrent enrollment in Geology 101.

C 07654 8:35a-11:45a F Hughes P SC-118 Full Semester
C 07653 7:35p-10:35p W Macias A SC-118 Full Semester

GEOL 140, ENVIRONMENTAL GEOLOGY 3.0 UNITS
Introduction to environmental geology, the interaction between the Earth and mankind. Global study of geologic resources, resource management, geologic hazards, and waste remediation (Same as Environmental Studies 140).

C 07655 10:05a-11:30a M W Hughes P SC-122 Full Semester

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Low Cost or Free Textbooks
OER
ZTC
Honors Courses:
HONORS
### 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.

<table>
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<tr>
<th>Section</th>
<th>Time</th>
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<th>Instructor</th>
<th>Classroom</th>
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<td>C 04987</td>
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<td>M W</td>
<td>Deluna D</td>
<td>D-208</td>
<td>Full Semester</td>
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<tr>
<td>C 04990</td>
<td>10:05a-11:30a</td>
<td>M W</td>
<td>Deluna D</td>
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<tr>
<td>C 05059</td>
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<td>Tu Th</td>
<td>Deluna D</td>
<td>D-214</td>
<td>Full Semester</td>
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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](https://canvas.sac.edu) There will be no instructional meetings.

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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](https://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.

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<tr>
<td>C 04994</td>
<td>8:30a-9:55a</td>
<td>M W</td>
<td>Lira S</td>
<td>D-212</td>
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#### HIST 102H, HONORS WORLD CIVILIZATIONS SINCE THE 16TH CENTURY  
**3.0 UNITS**

An enriched approach designed for honors students with emphasis on individual research as well as small group analysis of historical problems. Broad historical study of world civilizations and their interrelationships from the 16th century to the present. Ideas, institutions, personalities, and artistic achievements which have contributed to present day society.

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<td>Lira S</td>
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<td>Lira S</td>
<td>D-212</td>
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#### HIST 118, SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES  
**3.0 UNITS**

Examines social and cultural traditions during major historical periods. Focuses on American attitudes and response to economic and technological changes, aesthetics, music, art, language, architecture, folklore, high and popular culture.

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<td>Lewis J</td>
<td>D-212</td>
<td>Full Semester</td>
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<td>M W</td>
<td>Deluna D</td>
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<td>M</td>
<td>Fernandez L</td>
<td>D-102</td>
<td>Full Semester</td>
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#### 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.

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<td>D-213</td>
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<td>M W</td>
<td>Medina M</td>
<td>D-213</td>
<td>Full Semester</td>
<td></td>
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<tr>
<td>C 05014</td>
<td>10:05a-11:30a</td>
<td>Tu Th</td>
<td>Guzman K</td>
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<td>C 05018</td>
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</table>

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<table>
<thead>
<tr>
<th>Section</th>
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<tbody>
<tr>
<td>O 05021</td>
<td>Ramirez A</td>
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<table>
<thead>
<tr>
<th>Section</th>
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<tr>
<td>O 05021</td>
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</tr>
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</table>

#### 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

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#### 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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Notes</th>
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<tbody>
<tr>
<td>HIST 121</td>
<td>8:30a-9:55a</td>
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<td>D-302</td>
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<tr>
<td></td>
<td>10:05a-11:30a</td>
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<td>Ramirez A</td>
<td>I-208</td>
<td>Full Semester</td>
</tr>
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<td></td>
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<td>Tu Th</td>
<td>Medina M</td>
<td>D-209</td>
<td>Full Semester</td>
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<td>11:40a-1:05p</td>
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<td>Ramirez A</td>
<td>D-213</td>
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<td>Medina M</td>
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<td>Full Semester</td>
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<td>Lange M</td>
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</table>

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<td>Guzman K</td>
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<td>HIST 124</td>
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<td>Guzman K</td>
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<td>Tu Th</td>
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<tr>
<td>HIST 127</td>
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<td>Tu Th</td>
<td>Guzman K</td>
<td>D-209</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

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<tbody>
<tr>
<td>ON-CAMPUS:</td>
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**Low Cost or Free Textbooks**: [OER](http://oer.sac.edu) [ZTC](http://ztc.sac.edu)

**Honors Courses**: [HONORS](http://honors.sac.edu)
HIST 133, HISTORY OF CALIFORNIA  
3.0 UNITS
An examination of the major social, political, and economic developments that have shaped California history from the indigenous period to the present. Special attention is given to regional issues, ethnic or cultural groups, constitutional matters, cultural change, and California's connection with the Pacific Basin.

HIST 151, MODERN LATIN AMERICAN CIVILIZATION  
3.0 UNITS
Latin American civilization in the nineteenth and twentieth centuries with a focus on the historical background of contemporary conditions and issues. Major and minor countries studied.

HIST 153, HISTORY OF MEXICO  
3.0 UNITS
Mexican history from the pre-Columbian period to the present. Includes social, political, economic, and cultural growth of the Mexican nation. Emphasis on cultural and political development.

HIST 181, SURVEY OF CHICANA/LATINA WOMEN'S HISTORY  
3.0 UNITS
Survey of the historical roots of modern-day Chicana/Latina women. Course will discuss women in Pre-Columbian Mexico, colonial women in Mexico and the U.S. Southwest, as well as Mexican/Chicana/Latina women in the U.S. in the 19th, 20th, and 21st centuries. Women’s experiences will be analyzed in a national/international context.

INFO 100, LIBRARY RESEARCH FUNDAMENTALS  
1.0 UNIT
This course is designed to teach students basic college-level research skills for effective use of traditional and electronic library resources. Instruction includes print and non-print information sources such as reference books, scholarly material, online subscription databases, and the Internet.

INFO 103, RESEARCHING IN THE DIGITAL AGE  
1.0 UNIT
This course focuses on library research strategies for effectively locating and evaluating information on the Internet. Central topics are formulating search strategies, understanding how to form search expressions, evaluating information, and citing resources.

INTERDISCIPLINARY STUDIES (IDS)  
3.0 UNITS
An introduction to the humanities through a study of seven major art forms: film, drama, music, literature, painting, sculpture and architecture. Artistic works are considered from the perspectives of historical development, the elements used in the creation process, artistic form, and meaning expressed.

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ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.
IDS 155, HUMAN SEXUALITY 3.0 UNITS
An interdisciplinary review of the biological development and psychological influences across the lifespan, including neuroscience research and sociocultural considerations in the areas of gender, attraction, attachment, love, sexual orientations, anatomy, sexual arousal and response, conception, contraception, reproduction, health, including sexual coercion and sexually transmitted infections.
C 07284 10:05a-11:30a Tu Th Beiner C SC-208 Full Semester

ITALIAN (ITAL) 5.0 UNITS
ITAL 120, ELEMENTARY ITALIAN I
Pronunciation, grammar, speaking, reading, listening, writing, common idioms, and cultural insights. Italian 120 is equivalent to 2 years of high school Italian.

VH 04433 10:05a-12:35p W Mehr M HYBRID Staff ZOOM Full Semester
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.

ITALIAN (ITAL)
ITAL 120, ELEMENTARY ITALIAN I
Pronunciation, grammar, speaking, reading, listening, writing, common idioms, and cultural insights. Italian 120 is equivalent to 2 years of high school Italian.

VH 04433 10:05a-12:35p W Mehr M HYBRID Staff ZOOM Full Semester
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JAPANESE (JAPN) 5.0 UNITS

JAPN 101, ELEMENTARY JAPANESE I
A college level Japanese course focusing on fundamentals of pronunciation and grammar, basic vocabulary (including common idioms), simple conversation, and composition. Supplementary cultural readings. Japanese 101 is equivalent to two years of high school Japanese.

VH 04434 10:05a-12:35p W Ito M HYBRID Staff ZOOM Full Semester
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.

JAPN 101, ELEMENTARY JAPANESE II
A college level Japanese course focusing on further training in language skills, providing avenues for the expression of ideas in both oral and written forms. Additional study of culture. Japanese 102 is equivalent to the third year of high school Japanese.
Prerequisite: Japanese 101 with a minimum grade of C or equivalent, or two years of high school Japanese with a passing grade.
C 04437 10:05a-12:35p M W Brenish S D-302 Full Semester

KINESIOLOGY ACTIVITIES (KNAC) 1.0 UNIT
KNAC 107A, BEGINNING BADMINTON
This course is designed to introduce students to a racket sport, the sport of badminton. Emphasis is placed on the proper technique of the basic skills required in badminton, rules, scoring, and safety. Instruction and practice will include the proper grip, under-hand serve, drives, clears, drops, and smashes. This course is offered as a half-unit or one-unit class and may not be repeated.

C 08573 11:40a-1:05p M W Staff G-105 Full Semester

KNAC 107B, INTERMEDIATE BADMINTON
This course is designed to review and solidify the basic techniques and rules associated with the game of badminton. Emphasis is placed on proper footwork and the technical aspects associated with the game. This course is offered as a half unit or one unit class and may not be repeated.
Prerequisite: Kinesiology Activities 107A with a minimum grade of C.
C 08574 11:40a-1:05p M W Staff G-105 Full Semester

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ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.
KNAC 107C, ADVANCED BADMINTON 1.0 UNIT
This course is designed to review and solidify the proper footwork and intermediate techniques associated with the game of badminton. Emphasis is placed on tactical game awareness of both singles and doubles play. This course is offered as a half unit or one unit class and may not be repeated.
Prerequisite: Kinesiology Activities 107B with a minimum grade of C

<table>
<thead>
<tr>
<th>Course</th>
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<th>Instructor</th>
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<td>C 08575</td>
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<td>M W</td>
<td>Staff</td>
<td>G-105</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

<table>
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<th>Days</th>
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<th>Location</th>
<th>Notes</th>
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<td>08236</td>
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<td>M W</td>
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<td>02/07-04/03</td>
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<td>08238</td>
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<td>08239</td>
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<td>08414</td>
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<td>ONLINE</td>
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<tr>
<td>08415</td>
<td>11:40a-1:05p</td>
<td>M W</td>
<td>Baquero</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course</th>
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<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>08584</td>
<td>6:55p-8:20p</td>
<td>Tu Th</td>
<td>Johnson</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

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<th>Location</th>
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<td>Tu Th</td>
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<td>ONLINE</td>
<td>Full Semester</td>
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<tr>
<td>08582</td>
<td>6:30p-9:40p</td>
<td>Th</td>
<td>Juliano</td>
<td>W-107</td>
<td>Full Semester</td>
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KNAC 170A, BEGINNING YOGA 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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Units</th>
<th>Notes</th>
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<tr>
<td>08728</td>
<td>001</td>
<td>F</td>
<td>8:00am-11:10am</td>
<td></td>
<td>Breig D</td>
<td>ONLINE</td>
<td>04/11-06/05</td>
<td>Fully Online Instruction - Time-flexible online course with no scheduled meeting times</td>
</tr>
</tbody>
</table>

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.

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<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>08395</td>
<td>001</td>
<td>M-W</td>
<td>4:30pm-7:50pm</td>
<td></td>
<td>Luppiani M</td>
<td>G-105</td>
<td>04/11-06/05</td>
<td>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.</td>
</tr>
</tbody>
</table>

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.

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<tbody>
<tr>
<td>08396</td>
<td>001</td>
<td>M-W</td>
<td>4:30pm-7:50pm</td>
<td></td>
<td>Luppiani M</td>
<td>G-105</td>
<td>04/11-06/05</td>
<td>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.</td>
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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.

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<tr>
<td>08225</td>
<td>001</td>
<td>Tu-Th</td>
<td>2:50pm-6:00pm</td>
<td></td>
<td>Breig D</td>
<td>G-105</td>
<td>04/11-06/05</td>
<td>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.</td>
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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.

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<tbody>
<tr>
<td>08226</td>
<td>001</td>
<td>Tu-Th</td>
<td>2:50pm-6:00pm</td>
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<td>Breig D</td>
<td>G-105</td>
<td>04/11-06/05</td>
<td>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.</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>08227</td>
<td>001</td>
<td>Tu-Th</td>
<td>2:50pm-6:00pm</td>
<td></td>
<td>Breig D</td>
<td>G-105</td>
<td>04/11-06/05</td>
<td>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.</td>
</tr>
</tbody>
</table>

KNAC 230A, BEGINNING FLAG FOOTBALL 1.0 UNIT
This is a physical activity course designed to provide instruction and practice in the basic skills, techniques, fundamentals, strategies, and rules of the game of flag football. These activities are based on a beginning level. This course will be offered as a half unit or one unit class and may not be repeated.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>08567</td>
<td>001</td>
<td>Tu-Th</td>
<td>2:50pm-6:00pm</td>
<td></td>
<td>Breig D</td>
<td>G-105</td>
<td>04/11-06/05</td>
<td>This is a physical activity course designed to provide instruction and practice in the basic skills, techniques, fundamentals, strategies, and rules of the game of flag football. These activities are based on a beginning level. This course will be offered as a half unit or one unit class and may not be repeated.</td>
</tr>
</tbody>
</table>

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 mind body preparation and the proper technique necessary to perform these postures. This course is offered as a half unit or one unit class and may not be repeated.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Units</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>08728</td>
<td>001</td>
<td>F</td>
<td>8:00am-11:10am</td>
<td></td>
<td>Staff</td>
<td>G-118</td>
<td>04/11-06/05</td>
<td>This course is an introduction to the beginning skills and rules associated with the sport of soccer. Emphasis will be placed on mind body preparation and the proper technique necessary to perform these postures. This course is offered as a half unit or one unit class and may not be repeated.</td>
</tr>
</tbody>
</table>

Course website: canvas.sac.edu. There will be no instruction on-campus.
KNAC 260B, INTERMEDIATE SOCCER  
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.

C 08730 8:00a-11:10a F Staff G-118 Full Semester

KNAC 260C, ADVANCED SOCCER  
This course is designed to review and solidify the proper techniques associated with intermediate level outdoor soccer as well as at the tactical aspects that were introduced. Emphasis will be placed on complete technical and tactical match preparedness and awareness. This course is offered as a half unit or one unit class and may not be repeated. 
Prerequisite: Kinesiology Activities 260B with a minimum grade of C.

C 08732 8:00a-11:10a F Staff G-118 Full Semester

KINESIOLOGY ADAPTED ACTIVITIES (KNAD)

KNAD 208A, BEGINNING ADAPTED AEROBIC FITNESS  
The class is designed for students with disabilities and chronic conditions to develop knowledge and skills for improving cardiovascular fitness. Various aerobic and stretching exercises are performed to music. Exercise programs are designed to teach students adaptive strategies and beginning level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

C 08522 10:05a-10:55a Tu Th Sos B W-106 Full Semester

KNAD 208B, INTERMEDIATE ADAPTED AEROBIC FITNESS  
The class is designed for students with disabilities and chronic conditions to increase knowledge and skills competence in activities that improve cardiovascular fitness. Various aerobic and stretching exercises are performed to music. Exercise programs are designed to teach students adaptive strategies and intermediate level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated. 
Prerequisite: Kinesiology Adapted Activities 208A with a minimum grade of C and Adapted Kinesiology Medical Release Form required.

C 08523 10:05a-10:55a Tu Th Sos B W-106 Full Semester

KINESIOLOGY AEROBIC FITNESS (KNAF)

KNAF 140A, BEGINNING WALKING/JOGGING FOR FITNESS  
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.

C 08536 8:30a-9:55a Tu Th Nutter K E-102 Full Semester

C 08537 Nutter K 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.

KNAF 156A, BEGINNING CARDIO KICKBOXING  
A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. Kicks, punches, calisthenics, and rope jumping are combined to elevate heart rate and strengthen all major muscle groups. Students will learn to apply these self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles. This course is offered as a half unit or one unit class and may not be repeated.

C 08618 11:40a-1:05p M W Gracia-Iris H W-107 Full Semester

KNAF 156B, INTERMEDIATE CARDIO KICKBOXING  
A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. This class is designed to increase competence in kicking and punching, calisthenics, and rope jumping in various combinations to improve fitness. Students will further develop intermediate level self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles. This course is offered as a half unit or one unit class and may not be repeated. 
Prerequisite: Kinesiology Aerobic Fitness 156A with a minimum grade of C

C 08619 11:40a-1:05p M W Gracia-Iris H W-107 Full Semester

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
ZTC
OER
HONORS COURSES:
## KINESIOLOGY AQUATICS (KNAQ)

### KNAQ 201A, BEGINNING SWIMMING 1.0 UNIT
Instruction and experience in the basic stroke techniques and safety procedures of swimming. This course is offered as a half unit or one unit class and may not be repeated.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Fall Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>08504</td>
<td>M W</td>
<td>10:05a-11:30a</td>
<td>Nilles T</td>
<td>G-121</td>
<td></td>
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</tbody>
</table>

### KNAQ 201B, LAP SWIMMING 1.0 UNIT
Individualized swimming program designed to improve swimming techniques and cardiovascular fitness. Emphasis on endurance training. This course is offered as a half unit or one unit class and may not be repeated.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Fall Semester</th>
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<tr>
<td>08505</td>
<td>M W</td>
<td>10:05a-11:30a</td>
<td>Nilles T</td>
<td>G-121</td>
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</table>

## KINESIOLOGY FITNESS (KNFI)

### KNFI 112A, BEGINNING CIRCUIT TRAINING 1.0 UNIT
An introduction to fundamental principles and practices of circuit training including safety, using cardiovascular and resistance machines, and components of exercise. This course provides the basics of a comprehensive exercise program that combines cardiovascular exercises with strength training. This course is offered as a half-unit or one-unit class and may not be repeated.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Fall Semester</th>
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<tbody>
<tr>
<td>08233</td>
<td>Tu Th</td>
<td>10:05a-11:30a</td>
<td>Breig D</td>
<td>E-102</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08600</td>
<td>M W</td>
<td>11:40a-1:05p</td>
<td>Macdonald J</td>
<td>E-102</td>
<td>Full Semester</td>
</tr>
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</table>

### KNFI 112B, INTERMEDIATE CIRCUIT TRAINING 1.0 UNIT
A continuation of exercise principles and practices of circuit training covered in Beginning Circuit Training. This course is designed to help students increase cardiovascular conditioning using a combination of resistive strength exercises and endurance training. Must complete Beginning Circuit Training prior to enrollment. This course is offered as a half-unit or one-unit class and may not be repeated.

Prerequisite: Kinesiology Fitness 112A with a minimum grade of C/P.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Fall Semester</th>
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</thead>
<tbody>
<tr>
<td>08234</td>
<td>Tu Th</td>
<td>10:05a-11:30a</td>
<td>Breig D</td>
<td>E-102</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08601</td>
<td>M W</td>
<td>11:40a-1:05p</td>
<td>Macdonald J</td>
<td>E-102</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

### KNFI 112C, ADVANCED CIRCUIT TRAINING 1.0 UNIT
An individualized fitness program developed to promote lifetime fitness. Employs a combination of cardiovascular machines (treadmill, steppers, bicycles, elliptical, rower, etc.), and resistance machines. This course is designed as a continuation of Intermediate Circuit Training and promotes increased cardiovascular and muscular endurance. Educates students on the principles of nutrition and the body's adaptation to exercise. This course is offered as a half-unit or one-unit class and may not be repeated.

Prerequisite: Kinesiology Fitness 112B with a minimum grade of C/P.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Fall Semester</th>
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<tbody>
<tr>
<td>08235</td>
<td>Tu Th</td>
<td>10:05a-11:30a</td>
<td>Breig D</td>
<td>E-102</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08602</td>
<td>M W</td>
<td>11:40a-1:05p</td>
<td>Macdonald J</td>
<td>E-102</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Fall Semester</th>
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<tbody>
<tr>
<td>08589</td>
<td>M W</td>
<td>8:30a-9:55a</td>
<td>G-103</td>
<td>Macdonald J</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08595</td>
<td>Tu Th</td>
<td>8:30a-9:55a</td>
<td>G-103</td>
<td>Macdonald J</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08533</td>
<td>Tu Th</td>
<td>10:05a-11:30a</td>
<td>Nutter K</td>
<td>G-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08591</td>
<td>M W</td>
<td>10:05a-11:30a</td>
<td>Macdonald J</td>
<td>G-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08229</td>
<td>Tu Th</td>
<td>1:15p-2:40p</td>
<td>Breig D</td>
<td>G-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08623</td>
<td>Tu Th</td>
<td>2:50p-4:15p</td>
<td>Gonzales F</td>
<td>G-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08593</td>
<td>M W</td>
<td>6:00p-7:25p</td>
<td>Macdonald J</td>
<td>G-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08597</td>
<td>Tu Th</td>
<td>6:00p-7:25p</td>
<td>Macdonald J</td>
<td>G-103</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Fall Semester</th>
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</thead>
<tbody>
<tr>
<td>08590</td>
<td>M W</td>
<td>8:30a-9:55a</td>
<td>G-103</td>
<td>Macdonald J</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>
ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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ON CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.
KNHE 103, MEN'S HEALTH ISSUES 3.0 UNITS
Examines the societal, economic, cultural, and gender influences that shape men's health beliefs and practices. Explores specific health issues unique to men such as accessing health care, healthy relationships, domestic abuse, prostate cancer, and alcohol use. Critically examines literature and media to identify interventions within a masculinity framework to improve men's health outcomes. Identification of positive outcomes of healthy men at home, work, and in society.

08186 Breig D ONLINE 04/11-06/05
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.

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.

08603 10:05a-10:55a Tu Th Macdonald J F-103 Full Semester
There is no additional textbook cost for this ZTC class.

08407 Abbey T ONLINE 02/07-04/03
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.

08409 Abbey T ONLINE 04/11-06/05
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.

08605 Macdonald 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.

KNHE 106, CARDIOPULMONARY RESUSCITATION AND FIRST AID 3.0 UNITS
This course involves the theory and detailed demonstration of the first aid care of the injured. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR, and AED certification(s) will be granted upon successful completion of requirements.

08513 6:00p-10:00p F Staff G-107 Full Semester
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

08613 6:00p-10:00p F Staff G-107 Full Semester
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

KNHE 108, STRESS MANAGEMENT 3.0 UNITS
This course examines productive and nonproductive stress and the influence of various types of stress on health and wellness. Topics include the physiological aspects of stress and its effects on health, assessments of personal coping style, strategies for coping effectively with stress, relaxation techniques, mindful awareness, and positive self-talk. Emphasis is placed on practical application of stress management techniques in daily life. (CSU) (UC Credit Limitation) (Degree Credit) AA GE, CSU GE

08413 Baquero 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.

08528 Nutter K ONLINE 04/11-06/05
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.

08529 Nutter K ONLINE 02/07-04/03
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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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:
## KINESIOLOGY INTERCOLLEGIATE ATHLETICS (KNIA)

### KNIA 128, CONDITIONING FOR ATHLETES 0.5 - 1.0 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
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<tbody>
<tr>
<td>C</td>
<td>08578</td>
<td>2:50p-4:20p</td>
<td>M Tu W Th</td>
<td>Nyssen A</td>
</tr>
</tbody>
</table>

### KNIA 171, WRESTLING - OFF SEASON 0.5 - 1.0 UNITS
This course is designed as a skills development and conditioning class for student athletes interested in wrestling. Fundamentals of wrestling, analysis of opponents strengths and weakness, and knowledge of rules and regulations of the sport are presented. This course is offered as a half-unit or one-unit class.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tbody>
<tr>
<td>C</td>
<td>08518</td>
<td>6:50p-10:10p</td>
<td>M W</td>
<td>Silva V</td>
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</tbody>
</table>

### KNIA 201, BASEBALL MEN 3.0 UNITS
This course is designed for student-athletes with exceptional baseball talent who intend to transfer and play baseball at the 4-year or professional level. Emphasis is on application of collegiate baseball rules and regulations, offensive and defensive fundamentals and strategies and mental strategies for intercollegiate sports competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tbody>
<tr>
<td>C</td>
<td>08506</td>
<td>2:50p-4:50p</td>
<td>M Tu W Th F</td>
<td>Nilles T</td>
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### KNIA 211, SOFTBALL-WOMEN 3.0 UNITS
This course is designed for student-athletes to participate in intercollegiate softball competition. A high-level, competitive program for student athletes with exceptional softball talent. Emphasis is placed upon application of collegiate softball rules and regulations as well as defensive and offensive skills and strategies. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tbody>
<tr>
<td>C</td>
<td>08519</td>
<td>1:30p-3:30p</td>
<td>M Tu W Th F</td>
<td>Ross M</td>
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</tbody>
</table>

### KNIA 218, TRACK-WOMEN 3.0 UNITS
This course is designed for student athletes with advanced running skills so they may compete in intercollegiate track. Emphasis is placed upon application of track & field techniques, advanced training modalities, rules and regulations of the sport, and strategies for successful intercollegiate competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tbody>
<tr>
<td>C</td>
<td>08563</td>
<td>1:30p-3:30p</td>
<td>M Tu W Th F</td>
<td>Mitzel M</td>
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### KNIA 220, FOOTBALL 0.5 - 1.0 UNITS
Basic elements of the game including fundamental skills in stance, footwork, tackling and blocking techniques will be presented. Offensive and defensive formations and strategies will be practiced. The focus is skill development and conditioning, and is included in the 175 hours allotted to football for offseason development. This course is offered as a half-unit or one-unit class.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
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<tbody>
<tr>
<td>C</td>
<td>08581</td>
<td>2:50p-4:55p</td>
<td>Tu W Th</td>
<td>Nyssen A</td>
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</tbody>
</table>

### KNIA 230, SPEED AND AGILITY 0.5 - 1.0 UNITS
This class includes instruction on linear speed, non-linear speed, and jumping ability using state of the art plyometric training and speed specific training tools. This course is offered as a half-unit or one-unit class.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08515</td>
<td>1:15p-2:25p</td>
<td>M W</td>
<td>Nilles T</td>
</tr>
</tbody>
</table>

### KNIA 231, SOCCER-WOMEN 0.5 - 1.0 UNITS
This soccer class is designed for student-athlete sport conditioning and technical and tactical skill development. This course is offered as a half-unit or one-unit class.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08411</td>
<td>3:30p-5:40p</td>
<td>M W</td>
<td>Baquero J</td>
</tr>
</tbody>
</table>

### KNIA 232, SAND VOLLEYBALL 3.0 UNITS
This course is designed for student athletes so they may compete in intercollegiate sand volleyball. Emphasis will be placed on advanced technical skill development, offensive and defensive systems analysis, sport specific physical fitness. Students must meet the California Community College Athletic Association eligibility requirements and pass a health screening prior to intercollegiate competition. May be repeated.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08410</td>
<td>2:00p-4:00p</td>
<td>M W</td>
<td>Abbey T</td>
</tr>
</tbody>
</table>

### KNIA 233, BASEBALL WOMEN 3.0 UNITS
This course is designed for student athletes who participate in intercollegiate softball 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08401</td>
<td>2:00p-4:00p</td>
<td>M W</td>
<td>Abbey T</td>
</tr>
</tbody>
</table>

### KNIA 234, SPEED AND AGILITY 0.5 - 1.0 UNITS
This class includes instruction on linear speed, non-linear speed, and jumping ability using state of the art plyometric training and speed specific training tools. This course is offered as a half-unit or one-unit class.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08400</td>
<td>1:15p-2:25p</td>
<td>M W</td>
<td>Nilles T</td>
</tr>
</tbody>
</table>

### KNIA 235, SOCCER-WOMEN 0.5 - 1.0 UNITS
This course is designed for student athletes who participate in intercollegiate soccer 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08405</td>
<td>3:30p-5:40p</td>
<td>M W</td>
<td>Baquero J</td>
</tr>
</tbody>
</table>

### KNIA 236, SAND VOLLEYBALL 3.0 UNITS
This course is designed for student athletes who participate in intercollegiate sand volleyball 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08405</td>
<td>2:00p-4:00p</td>
<td>M W</td>
<td>Abbey T</td>
</tr>
</tbody>
</table>

### KNIA 237, TRACK-WOMEN 3.0 UNITS
This course is designed for student athletes who participate in intercollegiate track 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08400</td>
<td>1:15p-2:25p</td>
<td>M W</td>
<td>Nilles T</td>
</tr>
</tbody>
</table>

## 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

## HONORS
## 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Type</th>
<th>Days/Time</th>
<th>Location</th>
<th>Start/End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>08103</td>
<td>8:30a-9:55a</td>
<td>Tu Th</td>
<td>Sos B</td>
<td>W-101</td>
<td>Full Semester</td>
<td></td>
</tr>
<tr>
<td>08520</td>
<td>8:30a-9:55a</td>
<td>Tu Th</td>
<td>Sos B</td>
<td>ONLINE</td>
<td>04/11-06/05</td>
<td></td>
</tr>
<tr>
<td>08521</td>
<td>8:30a-9:55a</td>
<td>Tu Th</td>
<td>Sos B</td>
<td>ONLINE</td>
<td>02/07-04/03</td>
<td></td>
</tr>
</tbody>
</table>

- 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](http://canvas.sac.edu) There will be no instructional meetings.

### KNPR 110, KINESIOLOGY-RELATED OCCUPATIONAL WORK EXPERIENCE  1.0 - 4.0 UNITS
This work experience course consists of supervised paid or unpaid employment in an Athletic, Allied Health, or Fitness related setting. It is designed to assist students in acquiring desirable work habits, attitudes, and skills related to the student's educational major. Credit may be accrued at the rate of one to eight units per semester for a maximum of sixteen units. Seventy five hours of paid work or sixty hours of unpaid work equals one unit of credit. Student repetition is allowed per title 5 section 55253; however, only 1 unit may be applied toward major requirements or a certificate.

Prerequisite: Students must be concurrently enrolled or have completed KNSM 101 or the Fitness Specialist Certificate Program. Application must be approved by the Kinesiology Department Chair.

- Open Entry / Open Exit

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Type</th>
<th>Days/Time</th>
<th>Location</th>
<th>Start/End Date</th>
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</thead>
<tbody>
<tr>
<td>08517</td>
<td>Staff</td>
<td></td>
<td></td>
<td>Full Semester</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Type</th>
<th>Days/Time</th>
<th>Location</th>
<th>Start/End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>08400</td>
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<tr>
<td>08403</td>
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<td>04/11-06/05</td>
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</tbody>
</table>

- 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](http://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.

### KNPR 150, SPORT AND SOCIETY  3.0 UNITS
Examines the role of sport in modern society. Looks at how sport influences and shapes global attitudes among nations. Investigates the historical, social, economic, and political impact of sport on society.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Instructor</th>
<th>Type</th>
<th>Days/Time</th>
<th>Location</th>
<th>Start/End Date</th>
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</thead>
<tbody>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>08565</td>
<td>Nyssen A</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

- 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](http://canvas.sac.edu) There will be no instructional meetings.
KNPR 170, SPORT ETHICS
3.0 UNITS
A class designed to examine ethics, moral questions, and value judgments 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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Delivery</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>08401</td>
<td>Luppani M</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
<tr>
<td>08402</td>
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<td>02/07-04/03</td>
</tr>
</tbody>
</table>

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.

KNPR 195, STUDENT ATHLETE SUCCESS
1.0 UNIT
This course is designed to prepare Santa Ana College student athletes for balancing the roles of student and athlete as well as preparing them to transfer. Students learn essential information regarding athletic eligibility, interactions between their education plan and athletic goals, NCAA and NAIA transfer requirements, growth mindset in athletics, college success skills, and time management.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Delivery</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>08244</td>
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<td>02/07-03/06</td>
</tr>
<tr>
<td>08247</td>
<td>Jones G</td>
<td>ONLINE</td>
<td>03/07-04/03</td>
</tr>
<tr>
<td>08250</td>
<td>Jones G</td>
<td>ONLINE</td>
<td>04/11-05/08</td>
</tr>
<tr>
<td>08282</td>
<td>Jones G</td>
<td>ONLINE</td>
<td>05/09-06/05</td>
</tr>
</tbody>
</table>

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.

KNPR 202, INTRODUCTION TO PERSONAL TRAINING
3.0 UNITS
This course is designed to introduce students to the fitness specialist career and prepare students for entry level personal trainer certification exams. Emphasis is placed on professional conduct, introduction of human movement science principles, and exercise program development for apparently healthy adults and children.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Delivery</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>08516</td>
<td>Nilles T</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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 SPORTS MEDICINE (KNSM)
3.0 UNITS
This course is designed to be an introduction to the field of sports medicine/athletic training. It includes exposure to basic human anatomy and common athletic injuries as well as appropriate injury management strategies.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08616</td>
<td>8:30a-9:55a</td>
<td>Tu Th</td>
<td>Cuevas J</td>
<td>F-103</td>
</tr>
<tr>
<td>08735</td>
<td>1:00p-1:50p</td>
<td>M Tu Th</td>
<td>Staff</td>
<td></td>
</tr>
</tbody>
</table>

LOCATION: GARDEN GROVE HIGH SCHOOL

**OFFERS:**
- 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
LAW 100, 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.

Sections:
- **LAW 058, LEGAL INTERPRETING AND TRANSLATION SPANISH/ENGLISH 3.0 UNITS**
  - A course in legal interpretation/translation designed for employment certification of interpreters for government and private legal businesses. Fluency in Spanish and English strongly recommended. Field trips may be required.
  - **ONLINE:** 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](http://canvas.sac.edu) There will be no instructional meetings.

- **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

- **ONLINE:** 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](http://canvas.sac.edu) There will be no instructional meetings.
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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.

LAW 110, LEGAL TERMINOLOGY SPANISH/ENGLISH 2.0 UNITS
The study of terminology used in a law office and the court system.

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.

07420 Smith K ONLINE 03/07-06/05
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.

07423 Robinson K ONLINE 04/11-06/05
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.

07426 Robinson K ONLINE 04/11-06/05
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.

07429 Sauber D ONLINE 04/11-06/05
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.

08065 Robinson K ONLINE Full Semester
10:05a-11:30a Tu Th Staff ZOOM
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. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.

07465 Staff ONLINE 04/11-06/05
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 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.

07466 Sauber D 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. 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 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

LIBRARY TECHNOLOGY (LIBR)

LIBR 053, LIBRARY INTERNSHIP
3.0 UNITS
Closely supervised fieldwork experiences in two carefully selected library settings that will allow the student to apply learned knowledge and skills. Weekly review seminars and discussions are conducted in the classroom and online. To be taken in the last semester of an A.A. Degree or Certificate in Library Technology.
Prerequisite: Library Technology 101, Library Technology 110, and Library Technology 122 with a minimum grade of C.

LIBR 101, INTRODUCTION TO LIBRARY TECHNOLOGY
3.0 UNITS
This course provides an introduction to libraries as a career field with particular emphasis on the role of the library technician in various types of library settings. It also provides an overview of library collections, history, organization, staffing, services, terminology, and electronic online resources.

LIBR 110, TECHNICAL SERVICES
3.0 UNITS
Survey of library technical services, exploring philosophies, ethics, policies, and procedures. Emphasis on materials acquisitions processes and workflows; cataloging and classification principles and rules (MARC, RDA, LC and Dewey Classification systems, and LC Subject Headings); metadata and its impact on user experience; collections preservation and maintenance; and the future of technical services.

LIBR 122, PUBLIC SERVICES
3.0 UNITS
Exploration of library public services with special emphasis placed on a variety of issues as they relate to the circulation of library materials, the delivery of reference services, the use of the Internet and full-text databases for reference, and the preparation and delivery of library programs.

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.
MGMT 122, BUSINESS COMMUNICATIONS 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. Suggested preparation: English 061 or English for Multi-lingual Students 112 or American College English 116.

MGMT 125, ORGANIZATIONAL LEADERSHIP 3.0 UNITS
An examination of the universal principles of leadership. Covers the many approaches to leadership, the role of gender and diversity, and leadership ethics. Designed to build repeatable and transferable leadership skills for today's organizational environment.

MGMT 135, HUMAN RESOURCE MANAGEMENT 3.0 UNITS
Introductory course covers the goals, activities, and challenges of human resources. Includes equal employment opportunity and diversity, recruitment and selection, leadership and motivation, training and development, compensation, and employee and labor/management relations.

MANUFACTURING TECHNOLOGY (MNFG)
MNFG 096, MANUFACTURING TECHNOLOGY LAB APPLICATION 0.5 - 4.0 UNITS
A supplemental learning assistance course that provides supervised use of laboratory equipment for students enrolled in CNC machine courses to complete machine setup and operation projects. Students are expected to complete 24 lab hours for each .5 unit of credit. May be repeated up to the maximum number of units. Corequisite: Manufacturing Technology 174 or Manufacturing Technology 176 or Manufacturing Technology 177 or Manufacturing Technology 184 or Manufacturing Technology 186 or Manufacturing Technology 194 or Manufacturing Technology 195.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>08816</td>
<td>1:00p-3:00p</td>
<td>Sa</td>
<td>Stillwell D</td>
<td>T-107</td>
<td>Full Semester</td>
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<tr>
<td>08816</td>
<td>1:00p-3:00p</td>
<td>Sa</td>
<td>Buechler M</td>
<td>T-107</td>
<td>02/26-06/04</td>
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<tr>
<td>08808</td>
<td>5:00p-7:00p</td>
<td>M</td>
<td>Singh N</td>
<td>T-107</td>
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<tr>
<td>08670</td>
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<td>T-107</td>
<td>02/23-06/01</td>
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<td>08843</td>
<td>5:30p-7:25p</td>
<td>Tu Th</td>
<td>Bright T</td>
<td>T-107</td>
<td>Full Semester</td>
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<td>08860</td>
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<td>W</td>
<td>Singh N</td>
<td>T-107</td>
<td>02/23-06/01</td>
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</table>

MNFG 103, SOLIDWORKS BEGINNING SOLID MODELING  
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.

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<tr>
<th>Course Code</th>
<th>Time</th>
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<th>Instructor</th>
<th>Location</th>
<th>Comments</th>
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<tr>
<td>08816</td>
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<td>ONLINE</td>
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<td>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.</td>
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</tbody>
</table>

MNFG 104, SOLIDWORKS INTERMEDIATE SOLID MODELING  
Intermediate course for solid modeling using Solidworks, an industry standard engineering design software (CAD). Includes a review of the introductory class and changes to the Solidworks interface. Instruction in the use of intermediate Solidworks part modeling skills such as assembly modeling and sub-assemblies is included.

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<th>Course Code</th>
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<th>Instructor</th>
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<tr>
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<td>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.</td>
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</tbody>
</table>

MNFG 106, SOLIDWORKS DRAWINGS  
Creation and use of drawing templates, importing of solids data into the drawing template, and modification of the resulting drawings to company standards.

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<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
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<td>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.</td>
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</table>

MNFG 111, BASIC MECHANICAL BLUEPRINT READING  
Reading and interpreting blueprints for manufacturing technologies. (Same as Engineering 111).

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<tr>
<th>Course Code</th>
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<th>Instructor</th>
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<tr>
<td>08880</td>
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<td>Staff</td>
<td>R-128</td>
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</tbody>
</table>

This class meets on-campus.

MNFG 114, GEOMETRIC DIMENSIONING AND TOLERANCING  
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.

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<tr>
<th>Course Code</th>
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<td>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.</td>
</tr>
</tbody>
</table>
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.

MNFG 116, QC OPERATIONS WITH VERISURF SOFTWARE 3.0 UNITS
Introductory course in the operation of Verisurf inspection software. This course includes a review of Geometric Dimensioning and Tolerancing and operation of Verisurf software during inspection of three dimensional manufactured parts. This software is also used in creation of inspection reports as a form of data recording in a quality control environment.
Recommended Preparation: Manufacturing Technology 111 with a minimum grade of C.

MNFG 128, BASIC METALS TECHNOLOGY 3.0 UNITS
Basic metals terminology and its application in modern industry. Involves metal classification systems, destructive metal testing, metal refining, and heat treatment of various metals with resulting strength and structural changes.

MNFG 130A, CATIA I 3.0 UNITS
Introductory course in parametric solid modeling CAD using CATIA software, which is used extensively in the aerospace and automotive fields. Topics include: CAD overview, sketching, basic solid model creation (base features, pads, pockets, grooves, shafts, etc.) sketch constraints, reference elements, hole features, feature editing, assembly and drawing creation.

MNFG 130B, CATIA II 3.0 UNITS
Intermediate course in parametric solid modeling CAD using CATIA software, which is used extensively in the aerospace and automotive fields. Topics: intermediate/advanced level sketching and modeling (sweeps, ribs, slots), feature editing and transformation, assemblies, drawing workbench, surface modeling, and other CATIA modules.
Recommended Preparation: Manufacturing Technology 130A or Engineering 130A with a minimum grade of C.

MNFG 153, TECHNICAL MATHEMATICS 3.0 UNITS
Ratios and proportions, formulas, measurements (linear, surface, and volume), geometric construction, and right triangles. Basics of algebra, geometry, and trigonometry for the manufacturing industry.

MNFG 158, BASIC MACHINING CONCEPTS AND OPERATIONS 3.0 UNITS
Fundamental operations on lathes, milling machines, grinders, and drill presses, including precision measurements and layout. Equips students with skills and theory necessary to enter or upgrade within the machinist trade. (Same as Engineering 158)
### MNFG 159, ADVANCED TURNING CONCEPTS AND OPERATIONS 3.0 UNITS

Machine turning theory and skill development with emphasis on lathe principles, capabilities, and operations. Includes construction, tool grinding, and turning machine operations such as diameter turning and boring, external and internal single point treading. **Prerequisite:** Manufacturing Technology 158 or Engineering 158 with a minimum grade of C.

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<th>CRN</th>
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This class meets on-campus.

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This class meets on-campus.

### MNFG 168, ADVANCED MILLING CONCEPTS AND OPERATIONS 3.0 UNITS

Advanced machine tool operation and setup with emphasis on milling machine principles, use and capabilities, accessories, and operations. Includes operations with the offset boring head and rotary table. **Prerequisite:** Manufacturing Technology 158 or Engineering 158 with a minimum grade of C.

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<td>5:30p-9:30p</td>
<td>Tu Th</td>
<td>Staff</td>
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This class meets on-campus.

### MNFG 169, JOB SHOP SKILLS 0.5 - 3.0 UNITS

Experience in planning, setup and machining of a wide variety of projects using all machine tools. Students will build upon the skills and theory gained in beginning and advanced Manufacturing Technology classes or by on-the-job experience. **Prerequisite:** Manufacturing Technology 159 and 168 with a minimum grade of C. 

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<td>Full Semester</td>
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This class meets on-campus.

### MNFG 171, CNC PROGRAM WRITING 4.0 UNITS

Introductory course for manual CNC program writing. This course will include coordinate system, absolute/incremental programming, circular interpolation, cutter radius compensation, canned cycles, and program formatting. **Recommended Preparation:** Manufacturing Technology 111 and Manufacturing Technology 158 with a minimum grade of C.

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<td>Singh N</td>
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This class meets on-campus.

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**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.
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MNFG 173, MASTERCAM - 2D GEOMETRY, 2D TOOLPATHS  3.0 UNITS
Computer assisted numerical control programming of machine tools using Mastercam software. Creation of 2D-part geometry. 2D-part programming including contouring, pocketing, drilling, and tapping.

08853  7:00p-10:10p  M  Singh N  T-203  Full Semester
This class meets on-campus.

MNFG 174, CNC MILLING CENTER SET UP AND OPERATION  3.0 UNITS
Basic setup and operation of numerically controlled milling machines. Students will set up and operate a 3 axis CNC milling machine. Requires enrollment in 1.5 hours of scheduled lab for 0.5 units. Labs are scheduled at the first class meeting.
Prerequisite: Manufacturing Technology 158 and 171 with a minimum grade of C.

08855  7:00p-10:10p  Tu  Singh N  T-203  Full Semester
This class meets on-campus.

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.

08854  5:30p-6:55p  Tu Th  Singh N  T-203  Full Semester
This class meets on-campus.

MNFG 176, CNC TURNING CENTER SET UP AND OPERATION  3.0 UNITS
Setup and operation of numerically controlled lathe with emphasis on the application of the Fanuc controlled machine and CNC machining methods used in industry. Requires enrollment in 1.5 hours of scheduled lab for 0.5 units. Labs are scheduled at the first class meeting.
Prerequisite: Manufacturing Technology 158 and 171 with a minimum grade of C.

08861  8:30a-11:40a  Sa  Rios J  T-203  Full Semester
This class meets on-campus.

MNFG 184, ADVANCED CNC MILL SET UP AND OPERATION  3.0 UNITS
Advanced set-up and operation of CNC Machining Center. Student will learn the advanced concepts in set up and operation of the state of the art milling equipment. Course curriculum will include instruction on boring cycles, reaming cycle, thread milling, 4th axis rotary table, and multiple fixture offsets. Requires enrollment in 1.5 hours of scheduled lab per week for .5 unit. Lab hours are scheduled at the first class meeting.
Prerequisite: Manufacturing Technology 171 and 174 with a minimum grade of C.

08857  7:00p-10:10p  Th  Singh N  T-203  Full Semester
This class meets on-campus.

MNFG 195, MASTERCAM 5 AXIS MILL TOOLPATH AND APPLICATION  3.0 UNITS
Students will use Mastercam Software and Blade Expert to create various Multi Axis Toolpaths. Course includes programming, set up and operation of a 5 axis DMU-50 milling machine with CNC Siemens control to complete various student's group projects.
Prerequisite: Manufacturing Technology 174 and Manufacturing Technology 175 with a minimum grade of C.

08859  7:00p-10:10p  W  Singh N  T-203  Full Semester
This class meets on-campus.

MKTG 113, PRINCIPLES OF MARKETING  3.0 UNITS
The process of developing products that will satisfy the many needs of consumers and businesses. Includes market research techniques, pricing, distribution, and promotion.

07632  Shweiri G  ONLINE  02/07-04/03
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.
MKTG 127, INTRODUCTION TO E-COMMERCE  3.0 UNITS
Electronic commerce from a managerial perspective focusing on the retailing, business-to-business, and service industries. Topics include e-commerce infrastructure, intranets and extranets, electronic payment systems, marketing research, advertising, e-commerce strategies, and privacy issues.

07625 Damon S ONLINE  04/11-06/05
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.

MKTG 128, ADVERTISING AND DISTRIBUTION  3.0 UNITS
This course will provide students with an in-depth look into cutting edge advertising and promotion strategies used by small, medium, and large companies. Students will learn how to create an advertising campaign, including the planning, costs, and creative design process. Students will learn how promotions are used to increase sales, to build brand loyalty, and to build relationship with customers. This course will teach the latest and most cost-effective strategies to reach your customer. Students will learn how an efficient B2B and/or B2C distribution system utilizing marketing intermediaries, direct sales, online distribution, and global markets can increase profits. Supply Chain strategies, channel evaluation, and relationships will be highlighted.

07634 Staff ONLINE  02/07-04/03
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.

MKTG 129, SALES, NEGOTIATION, AND CONSUMER BEHAVIOR  3.0 UNITS
This course will explore the science, mechanics, dynamics, and culture of consumers and their behavior. Understanding consumers leads to long-term relationships, which translates to sales and profits for businesses. Students will learn how to analyze consumer behavior using the latest tools, techniques, and technology. Students will learn the techniques of successfully negotiating a Win-Win business transaction. By learning the different negotiating styles, students will gain skills working with customers in all business segments. Students will learn how professional sales people build relationships with customers and clients that lead to increased sales. Learn how to effectively communicate, persuade, overcome objections, and close the deal.

07635 Kowsari A ONLINE  04/11-06/05
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 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. Not applicable to associate degree.

06426  10:05a-12:10p  M W  Solheid C  R-101  Full Semester

MATH N48, PRE-ALGEBRA/ALGEBRA BASICS  4.0 UNITS
For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, and algebraic operations. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to associate degree.

06495  9:05a-9:55a  Tu Th  Lechuga J  H-105  Full Semester
Section #06495 is linked with Math 140 #06494. Enrollment in both sections is mandatory.

06491  10:05a-10:55a  M W  Zarske J  H-105  Full Semester
Section #06491 is linked with Math 140 #06490. Enrollment in both sections is mandatory.

06497  12:15p-1:05p  Tu Th  Bradley K  H-105  Full Semester
Section #06497 is linked with Math 140 #06496. Enrollment in both sections is mandatory.

06493  7:35p-8:25p  M W  Nguyen K  ZOOM  Full Semester
Section #06493 is linked with Math 140 #06492. Enrollment in both sections is mandatory. 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.

06501  10:05a-12:10p  M W  Solheid C  ONLINE  Full Semester
Section #06501 is linked with Math 140 #06500. Enrollment in both sections is mandatory. 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.

MKTG 128, ADVERTISING AND DISTRIBUTION 3.0 UNITS
This course will provide students with an in-depth look into cutting edge advertising and promotion strategies used by small, medium, and large companies. Students will learn how to create an advertising campaign, including the planning, costs, and creative design process. Students will learn how promotions are used to increase sales, to build brand loyalty, and to build relationship with customers. This course will teach the latest and most cost-effective strategies to reach your customer. Students will learn how an efficient B2B and/or B2C distribution system utilizing marketing intermediaries, direct sales, online distribution, and global markets can increase profits. Supply Chain strategies, channel evaluation, and relationships will be highlighted.

07634 Staff ONLINE  02/07-04/03
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.

MKTG 129, SALES, NEGOTIATION, AND CONSUMER BEHAVIOR 3.0 UNITS
This course will explore the science, mechanics, dynamics, and culture of consumers and their behavior. Understanding consumers leads to long-term relationships, which translates to sales and profits for businesses. Students will learn how to analyze consumer behavior using the latest tools, techniques, and technology. Students will learn the techniques of successfully negotiating a Win-Win business transaction. By learning the different negotiating styles, students will gain skills working with customers in all business segments. Students will learn how professional sales people build relationships with customers and clients that lead to increased sales. Learn how to effectively communicate, persuade, overcome objections, and close the deal.

07635 Kowsari A ONLINE  04/11-06/05
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 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. Not applicable to associate degree.

06426  10:05a-12:10p  M W  Solheid C  R-101  Full Semester

MATH N48, PRE-ALGEBRA/ALGEBRA BASICS 4.0 UNITS
For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, and algebraic operations. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to associate degree.

06495  9:05a-9:55a  Tu Th  Lechuga J  H-105  Full Semester
Section #06495 is linked with Math 140 #06494. Enrollment in both sections is mandatory.

06491  10:05a-10:55a  M W  Zarske J  H-105  Full Semester
Section #06491 is linked with Math 140 #06490. Enrollment in both sections is mandatory.

06497  12:15p-1:05p  Tu Th  Bradley K  H-105  Full Semester
Section #06497 is linked with Math 140 #06496. Enrollment in both sections is mandatory.

06493  7:35p-8:25p  M W  Nguyen K  ZOOM  Full Semester
Section #06493 is linked with Math 140 #06492. Enrollment in both sections is mandatory. 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.

06501  10:05a-12:10p  M W  Solheid C  ONLINE  Full Semester
Section #06501 is linked with Math 140 #06500. Enrollment in both sections is mandatory. 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 Course Sequence for Santa Ana College BSTEM Majors

The Santa Ana Mathematics Department strongly recommends students who plan on transferring to a four-year school should work carefully with a counselor and the catalog of the school of transfer to select the most appropriate mathematics course. The sequence below gives a summary of the mathematics sequence of courses for Business and STEM majors (BSTEM). The BSTEM pathway is designated for students planning to major in Business, Science, Technology, Engineering, or Mathematics.

#### Developmental Level Courses* for BSTEM Majors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH N06</td>
<td>Essential Mathematics</td>
</tr>
<tr>
<td>MATH N48</td>
<td>Pre-Algebra / Algebra Basics</td>
</tr>
<tr>
<td>MATH 084</td>
<td>Beginning &amp; Intermediate for BSTEM Majors</td>
</tr>
</tbody>
</table>

#### Transfer Level Courses for BSTEM Majors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 140</td>
<td>College Algebra or MATH 140 + MATH 040 College Algebra with Support**</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Business Calculus</td>
</tr>
<tr>
<td>MATH 162</td>
<td>Trigonometry</td>
</tr>
<tr>
<td>MATH 180</td>
<td>Calculus 1</td>
</tr>
<tr>
<td>MATH 185</td>
<td>Calculus 2</td>
</tr>
<tr>
<td>MATH 280</td>
<td>Intermediate Calculus</td>
</tr>
<tr>
<td>MATH 287</td>
<td>Introduction to Linear Algebra &amp; Differential Equations</td>
</tr>
</tbody>
</table>

### Mathematics Course Sequence for Santa Ana College SLAM Majors

The Santa Ana Mathematics Department strongly recommends students who plan on transferring to a four-year school should work carefully with a counselor and the catalog of the school of transfer to select the most appropriate mathematics course. The sequence below gives a summary of the mathematics sequence of courses for students in the SLAM Pathway. The SLAM pathway is for majors that require students to take Statistics, Liberal Arts Math, or those who plan on teaching elementary school.

#### Developmental Level Courses* for SLAM Majors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH N06</td>
<td>Essential Mathematics</td>
</tr>
<tr>
<td>MATH N48</td>
<td>Pre-Algebra / Algebra Basics</td>
</tr>
<tr>
<td>MATH 082</td>
<td>Pre-Statistics and Problem Solving</td>
</tr>
</tbody>
</table>

#### Transfer Level Courses for SLAM Majors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 219/219H</td>
<td>Statistics &amp; Probability or MATH 221 Statistics &amp; Probability with Support**</td>
</tr>
<tr>
<td>MATH 105</td>
<td>Mathematics for Liberal Arts Students</td>
</tr>
<tr>
<td>MATH 204</td>
<td>Mathematics for Elementary School Teachers</td>
</tr>
</tbody>
</table>

Students interested in Psychology can also take PSYC 210 to satisfy this requirement.

*SAC also offers optional free non-credit refresher courses in pre-algebra (LRN 164) and basic math (HSMTH 158) that you can join anytime. Contact a counselor for more information.

**Support courses give extra class time with your Math instructor where you can strengthen the prerequisite skills and concepts needed to successfully complete College Algebra or Statistics.

If you have already taken Pre-calculus or Calculus, you should contact a counselor for more information.

*Optional courses in Developmental Math for students with low test scores.

Effective Fall 2021

### Section Information

<table>
<thead>
<tr>
<th>Section</th>
<th>Course Code</th>
<th>Instructor</th>
<th>Format</th>
<th>Semester</th>
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<td>MATH 082</td>
<td>McKowan-Bourguignon L</td>
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<td>06427</td>
<td>MATH 140</td>
<td>Smith S</td>
<td>Tu Th</td>
<td>10:05a-12:10p</td>
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<tr>
<td>06428</td>
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<td>McKowan-Bourguignon L</td>
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<tr>
<td>06429</td>
<td>MATH 140</td>
<td>Tolentino J</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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**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.

---

*SAC also offers optional free non-credit refresher courses in pre-algebra (LRN 164) and basic math (HSMTH 158) that you can join anytime. Contact a counselor for more information.

**Support courses give extra class time with your Math instructor where you can strengthen the prerequisite skills and concepts needed to successfully complete College Algebra or Statistics.

If you have already taken Pre-calculus or Calculus, you should contact a counselor for more information.

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**Low Cost or Free Textbooks**

**OER**

**ZTC**

**Honors Courses**

**HONORS**
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.

C 06430 10:05a-1:05p M W Bradley K R-119 Full Semester
C 06432 4:25p-7:25p Tu Th Oh S ZOOM Full Semester

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.

O 06433 7:50a-9:55a M W Mishal A ZOOM Full Semester

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.

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 theory, geometry, logic, mathematical modeling, and the history of mathematics.

O 06453 7:50a-9:55a M W Mishal A ZOOM Full Semester

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 06485 10:05a-12:10p Tu Th Romero M H-109 Full Semester
C 06486 1:15p-3:20p Tu Th Solheid C H-109 Full Semester
C 06484 7:35p-9:40p M W Staff H-109 Full Semester
C 06487 7:50a-9:55a M W Sweeney G 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.

O 06488 7:35p-9:40p M W Sweeney G 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.

C 06489 10:05a-1:05p M W Bradley K R-119 Full Semester

Online Degree Pathway course. Registration open to all students. 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 07378 Lui R 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.

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.

C 06494 6:50a-8:55a Tu Th Lechuga J H-105 Full Semester

Section #06494 is linked with Math 040 #06495. Enrollment in both sections is mandatory.

C 06490 7:50a-9:55a M W Zarske J H-105 Full Semester

Section #06490 is linked with Math 040 #06491. Enrollment in both sections is mandatory.

ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.
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
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ON CAMPUS W/VIRTUAL: On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

Low Cost or Free Textbooks
OER
ZTC
Honors Courses:
HONORS
<table>
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<th>CRN</th>
<th>Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>06641</td>
<td>06641 7:50a-9:55a M W Tolentino J ZOOM</td>
<td>M W</td>
<td>7:50a-9:55a</td>
<td>Tolentino J</td>
<td>ZOOM</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>06496</td>
<td>06496 10:05a-12:10p Tu Th Bradley K H-105</td>
<td>Tu Th</td>
<td>10:05a-12:10p</td>
<td>Bradley K</td>
<td>H-105</td>
<td>Full Semester</td>
<td>Section #06496 is linked with Math 040 #06497. Enrollment in both sections is mandatory.</td>
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<tr>
<td>06642</td>
<td>06642 10:05a-12:10p M W Lechuga J H-104</td>
<td>M W</td>
<td>10:05a-12:10p</td>
<td>Lechuga J</td>
<td>H-104</td>
<td>Full Semester</td>
<td>Section #06492 is linked with Math 040 #06493. Enrollment in both sections is mandatory. 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.</td>
</tr>
<tr>
<td>06492</td>
<td>06492 5:20p-7:25p M W Nguyen K ZOOM</td>
<td>M W</td>
<td>5:20p-7:25p</td>
<td>Nguyen K</td>
<td>ZOOM</td>
<td>Full Semester</td>
<td>Section #06492 is linked with Math 040 #06493. Enrollment in both sections is mandatory. 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.</td>
</tr>
<tr>
<td>06644</td>
<td>06644 7:35p-9:40p Tu Th Staff H-104</td>
<td>Tu Th</td>
<td>7:35p-9:40p</td>
<td>Staff</td>
<td>H-104</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>06500</td>
<td>06500 ONLINE Full Semester</td>
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<td>Solheid C</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>06645</td>
<td>06645 Lechuga J ONLINE Full Semester</td>
<td></td>
<td></td>
<td>Lechuga J</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>06646</td>
<td>06646 Bradley K ONLINE Full Semester</td>
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<td>ONLINE</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>06647</td>
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<td>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.</td>
</tr>
<tr>
<td>06648</td>
<td>06648 Mishal A ONLINE Full Semester</td>
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<td>Mishal A</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
<tr>
<td>07379</td>
<td>07379 Nguyen K ONLINE 03/07-06/05</td>
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<td></td>
<td>Nguyen K</td>
<td>ONLINE</td>
<td>03/07-06/05</td>
<td>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.</td>
</tr>
<tr>
<td>07381</td>
<td>07381 McKowan-Bourguignon L ONLINE Full Semester</td>
<td></td>
<td></td>
<td>McKowan-Bourguignon L</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>Section #07381 is linked with Math 040 #07382. Enrollment in both sections is mandatory. 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.</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Title</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>06649</td>
<td>06649 1:15p-3:45p M W Meier K I-203</td>
<td>M W</td>
<td>1:15p-3:45p</td>
<td>Meier K</td>
<td>I-203</td>
<td>Full Semester</td>
<td>Online Degree Pathway course. Registration open to all students. 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.</td>
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<tr>
<td>06650</td>
<td>06650 7:35p-10:05p M W Meier K I-203</td>
<td>M W</td>
<td>7:35p-10:05p</td>
<td>Meier K</td>
<td>I-203</td>
<td>Full Semester</td>
<td>Online Degree Pathway course. Registration open to all students. 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.</td>
</tr>
<tr>
<td>06652</td>
<td>06652 Shahbazian R ONLINE 02/07-04/03</td>
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<td>Shahbazian R</td>
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<td>02/07-04/03</td>
<td>Online Degree Pathway course. Registration open to all students. 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.</td>
</tr>
<tr>
<td>06653</td>
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<td>ONLINE</td>
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<td>Online Degree Pathway course. Registration open to all students. 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.</td>
</tr>
</tbody>
</table>

**Course Descriptions**

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

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Session Type</th>
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<tbody>
<tr>
<td>C 06662</td>
<td>7:50a-9:55a</td>
<td>M W</td>
<td>Staff</td>
<td>L-203</td>
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</tr>
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<td>C 06664</td>
<td>7:50a-9:55a</td>
<td>Tu Th</td>
<td>Mishal A</td>
<td>L-203</td>
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<td>C 06663</td>
<td>10:05a-12:10p</td>
<td>M W</td>
<td>Oh S</td>
<td>L-203</td>
<td>Full Semester</td>
</tr>
<tr>
<td>OL 06665</td>
<td>5:20p-7:25p</td>
<td>Tu Th</td>
<td>Mishal A</td>
<td>ZOOM</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

<table>
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<tr>
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<tr>
<td>O 06666</td>
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<td></td>
<td>Hager B</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Time</th>
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<th>Instructor</th>
<th>Location</th>
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<td>McKowan-Bourguignon L</td>
<td>I-204</td>
<td>Full Semester</td>
</tr>
<tr>
<td>C 06668</td>
<td>10:05a-12:10p</td>
<td>M W</td>
<td>Sill K</td>
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<td>Full Semester</td>
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<tr>
<td>C 06669</td>
<td>5:20p-7:25p</td>
<td>Tu Th</td>
<td>Sill K</td>
<td>ZOOM</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Session Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>O 06670</td>
<td></td>
<td></td>
<td>Ro K</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Session Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>O 06672</td>
<td></td>
<td></td>
<td>Leeds K</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Session Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 06684</td>
<td>7:50a-9:55a</td>
<td>Tu Th</td>
<td>Ro K</td>
<td>I-203</td>
<td>Full Semester</td>
</tr>
<tr>
<td>C 06683</td>
<td>10:05a-12:10p</td>
<td>M W</td>
<td>Ro K</td>
<td>I-203</td>
<td>Full Semester</td>
</tr>
<tr>
<td>OL 06685</td>
<td>7:35p-9:40p</td>
<td>Tu Th</td>
<td>Ro K</td>
<td>ZOOM</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Session Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>O 06686</td>
<td></td>
<td></td>
<td>Sweeney G</td>
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<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Session Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>O 06687</td>
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<td>Everett M</td>
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<td>Full Semester</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Instructor</th>
<th>Days</th>
<th>Location</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>06690</td>
<td>Everett M</td>
<td>Tu Th</td>
<td>I-102</td>
<td>Full Semester</td>
</tr>
<tr>
<td>06688</td>
<td>Staff</td>
<td>M W</td>
<td>L-203</td>
<td>Full Semester</td>
</tr>
<tr>
<td>06692</td>
<td>Solheid C</td>
<td>Tu</td>
<td>H-109</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

Section #06690 is linked to Math 204L #06689. Enrollment in both sections is mandatory.

**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.

### MATH 204L, MATHEMATICS CONTENT FOR ELEMENTARY MATH TEACHERS (LAB) 0.5 UNIT

Students in Math 204L will receive individual and/or group instruction advancing students conceptual understanding of the mathematics needed to teach elementary school. Instruction integrates hands-on learning, projects, and presentations.

**Corequisite:** Concurrent enrollment in Mathematics 204.

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Instructor</th>
<th>Days</th>
<th>Location</th>
<th>Status</th>
</tr>
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<tbody>
<tr>
<td>06706</td>
<td>Lui R</td>
<td>M W</td>
<td>L-207</td>
<td>Full Semester</td>
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<tr>
<td>06709</td>
<td>Zarske J</td>
<td>Tu Th</td>
<td>ZOOM</td>
<td>Full Semester</td>
</tr>
<tr>
<td>06707</td>
<td>Tolentino J</td>
<td>M W</td>
<td>L-207</td>
<td>Full Semester</td>
</tr>
<tr>
<td>06710</td>
<td>Corp R</td>
<td>Tu Th</td>
<td>L-207</td>
<td>Full Semester</td>
</tr>
<tr>
<td>06711</td>
<td>Corp R</td>
<td>Tu Th</td>
<td>L-207</td>
<td>Full Semester</td>
</tr>
<tr>
<td>06708</td>
<td>Romero M</td>
<td>M W</td>
<td>ZOOM</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

Section #06691 is linked to Math 204 #06688. Enrollment in both sections is mandatory.

**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.

### 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.

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Instructor</th>
<th>Days</th>
<th>Location</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>06691</td>
<td>Everett M</td>
<td>Tu Th</td>
<td>I-102</td>
<td>Full Semester</td>
</tr>
<tr>
<td>06689</td>
<td>Staff</td>
<td>M W</td>
<td>L-203</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

Section #06689 is linked to Math 204 #06688. Enrollment in both sections is mandatory.

**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.

### MATH 219 ONLINE DEGREE PATHWAY Course

Free Textbooks / Low Cost or OER / ZTC / Honors Courses:

- Canvas:
  - Canvas sac.edu: There will be no instruction on-campus.
  - There will be no instructional meetings.
  - There will be no instruction on-campus.
  - There will be no instructional meetings.
  - There will be no instructional meetings.
  - There will be no instructional meetings.

- Online Degree Pathway course. Registration open to all students. Fully Online instruction. Students are required to log in to Canvas.
  - canvas.sac.edu
MATH 211, 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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
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<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>06700</td>
<td>6:55a-9:00a</td>
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<td>H-107</td>
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<td>06703</td>
<td>7:00a-10:50a</td>
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<td>Everett M</td>
<td>ZOOM</td>
</tr>
<tr>
<td></td>
<td>11:00a-1:05p</td>
<td>F</td>
<td>Everett M</td>
<td>ZOOM</td>
</tr>
</tbody>
</table>

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.

MATH 280, INTERMEDIATE CALCULUS  
4.0 UNITS
Vectors and three-dimensional space, functions of several variables, partial derivatives, and multiple integrals. Vector calculus, Green’s Theorem, Stoke’s Theorem, and the Divergence Theorem. 
Prerequisite: Mathematics 185 with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
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<td>Sill K</td>
<td>I-204</td>
</tr>
<tr>
<td>06717</td>
<td>5:20p-7:25p</td>
<td>M W</td>
<td>Smith S</td>
<td>I-204</td>
</tr>
</tbody>
</table>

MATH 287, INTRODUCTION TO LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS  
5.0 UNITS
Prerequisite: Mathematics 280 with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>06719</td>
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<td>M W</td>
<td>Sweeney G</td>
<td>H-109</td>
</tr>
<tr>
<td>06720</td>
<td>7:35p-10:05p</td>
<td>Tu Th</td>
<td>Staff</td>
<td>I-204</td>
</tr>
</tbody>
</table>

MATH 319, QUANTITATIVE RESEARCH METHODS FOR HEALTHCARE PROFESSIONALS  
4.0 UNITS
This course will develop skills and tools for understanding and performing quantitative research in healthcare sciences. The focus of the course will be on statistical research methods prevalent in healthcare sciences: including principles of experimental design, appropriate sampling, and running quantitative tests to determine the validity of claims. 
Prerequisite: Limitation on enrollment: Student must be admitted to the Occupational Studies program Mathematics 219 or Mathematics 219H or Psychology 210 with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Instructor</th>
<th>Venue</th>
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<tbody>
<tr>
<td>06721</td>
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<td>HYBRID</td>
</tr>
</tbody>
</table>

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
MA 001, 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 production 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.
Prerequisite: Medical Assistant 051A, Medical Assistant 051B, Medical Assistant 053 and Medical Assistant 055 with a minimum grade of C.

Open Entry / Open Exit

**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, HIV-AIDS, and Tuberculosis including compliance requirements, exposure control measures, exposure determination, protective equipment, and post exposure practices.

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. Student arranges work experience placement. Number of units based on number of hours; to be arranged. Healthcare experience is required. 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.

**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.

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. Section #06378 meets for 4.5 hours on 2 days (3/4 and 3/11) through Zoom from 08:00am - 12:30pm. 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.

**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.

Online Instruction - Time-flexible online course with no scheduled meeting times

Fully Online Live Instruction - Live streaming instruction via Zoom

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

Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction

On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings

On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.
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.

06382 Emley C 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.

06384 Seitz C ONLINE Full Semester

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.

MA 051B, ADVANCED MEDICAL TERMINOLOGY 3.0 UNITS

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

06385 Emley C 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.

06386 Emley C ONLINE Full Semester

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.

MA 053, MEDICAL ASSISTANT - ADMINISTRATIVE FRONT OFFICE 3.0 UNITS

Medical front office training including the role, responsibilities, professionalism, medical ethics and laws, medical records, filing, billing and collection, banking, bookkeeping, reception, telephone techniques, oral and written communication, resume, and job seeking skills. Also includes a unit on office first aid and life threatening illnesses.

06387 Seitz C ONLINE Full Semester

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.

06388 Seitz C ONLINE Full Semester

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.

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.

06389 Seitz C ONLINE Full Semester

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.

06390 Seitz C ONLINE Full Semester

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.
MA 055, MEDICAL ASSISTANT - CLINICAL BACK OFFICE 3.0 UNITS
Medical back office with emphasis on asepsis, sterilization, gloving and ungloving, assisting physician with exams and minor office surgical procedures, vital signs, vision testing, wound care, dressings, bandaging, specimen collections, medications, dosage calculations and injection techniques.

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>06391</td>
<td>Emley C</td>
<td>HYBRID</td>
<td>Tu</td>
<td>1:15p-4:15p</td>
<td>R-307</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>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</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>06393</td>
<td>Seitz C</td>
<td>ONLINE</td>
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<td>4:25p-7:35p</td>
<td>ZOOM</td>
</tr>
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<td></td>
<td></td>
<td>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</td>
<td></td>
</tr>
</tbody>
</table>

MUSIC (MUS)

MUS 009A, MUSIC LABORATORY 0.3 UNIT
Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. Beginning level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 16 hours earns 0.3 unit.
Open Entry / Open Exit

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08607</td>
<td>Kehlenbach E</td>
<td>N-119</td>
<td>Full Semester</td>
<td>18 hours arranged per semester. 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.</td>
<td></td>
</tr>
</tbody>
</table>

MUS 009B, MUSIC LABORATORY II 0.3 UNIT
Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. More advanced beginning level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 16 hours earns 0.3 unit.
Prerequisite: Music 009A with a minimum grade of C and concurrent enrollment in a music class.
Open Entry / Open Exit

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08608</td>
<td>Kehlenbach E</td>
<td>N-119</td>
<td>Full Semester</td>
<td>18 hours arranged per semester. 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.</td>
<td></td>
</tr>
</tbody>
</table>

MUS 009C, MUSIC LABORATORY III 0.3 UNIT
Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. Intermediate level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 16 hours earns 0.3 unit.
Prerequisite: Music 009B with a minimum grade of C and concurrent enrollment in a music class.
Open Entry / Open Exit

<table>
<thead>
<tr>
<th>Course</th>
<th>Instructor</th>
<th>Type</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>08609</td>
<td>Jin J</td>
<td>N-119</td>
<td>Full Semester</td>
<td>18 hours arranged per semester. 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.</td>
<td></td>
</tr>
</tbody>
</table>

**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.
SANTA ANA COLLEGE – SPRING 2022  Page 170

MUS 009D, MUSIC LABORATORY IV 0.3 UNIT
Supervised work on instrumental, vocal, music theory, or digital music assignments and projects. Advanced level assignments are geared toward attainment of skills relating to the corequisite music class. Accumulation of 16 hours earns 0.3 unit. Prerequisite: Music 009C with a minimum grade of C and concurrent enrollment in a music class.
Open Entry / Open Exit

08610 Jin J N-119 Full Semester
18 hours arranged per semester. 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 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.

08611 8:30a-9:55a M W Kim J N-117 Full Semester
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.

08614 10:05a-11:30a M W Lee S C-104 Full Semester
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.

08612 ONLINE Jin J ONLINE 02/07-04/02
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.

08613 ONLINE Jin J ONLINE 04/11-06/05
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.

08622 ONLINE Jones E ONLINE 02/07-04/02
Online Degree Pathway course. Registration open to all students 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.

08624 ONLINE Jones E ONLINE 04/11-06/05
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 102, WORLD MUSIC 3.0 UNITS
Music from the Far East, Southeast Asia, Africa, the Middle East, Europe and the Americas. Students are guided to enjoy and to understand music from diverse cultures. Investigation of the interconnections of culture, aesthetics, and musical styles. Concert attendance and assigned listening required.

08625 8:30a-9:55a M W Marr J N-114 Full Semester

MUS 102H, HONORS WORLD MUSIC 3.0 UNITS
An enriched, in-depth study of music from Asia, Africa, the Middle East, Europe, and the Americas. Seminar-style critical investigation of the interconnections of style, culture, and aesthetics to promote enjoyment and understanding of world music.

08627 8:30a-9:55a M W Marr J N-114 Full Semester

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
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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
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
MUS 103, JAZZ IN AMERICA  
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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Term</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>09274</td>
<td>11:40a-1:05p</td>
<td>Tu Th</td>
<td>Briones M</td>
<td>ZOOM</td>
<td>Full Semester</td>
<td>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. 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.</td>
</tr>
</tbody>
</table>

MUS 104, ROCK MUSIC HISTORY AND APPRECIATION  
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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Term</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>08628</td>
<td>6:00p-9:10p</td>
<td>Th</td>
<td>Kehlenbach E</td>
<td>ONLINE</td>
<td>04/11-06/05</td>
<td>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.</td>
</tr>
</tbody>
</table>

MUS 105, FILM MUSIC APPRECIATION  
A study of the history and development of film music in the twentieth and twenty-first century. Students are guided through a critical examination of a variety of music soundtracks by prominent composers and will explore how the music reflects changes in our society and culture.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Instructor</th>
<th>Mode</th>
<th>Term</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>09272</td>
<td>8:30a-9:55a</td>
<td>Tu Th</td>
<td>Briones M</td>
<td>ONLINE</td>
<td>04/11-06/05</td>
<td>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.</td>
</tr>
</tbody>
</table>

MUS 106, MUSIC FUNDAMENTALS AND CULTURE  
An introduction to the notation and primary elements of tonal music throughout history from Western and global cultures. Examples from music literature will demonstrate staff notation in treble and bass clefs, rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; and diatonic chords. History and social context of these concepts will be discussed. Development of skills in handwritten notation is expected.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Term</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>08630</td>
<td>4:20p-7:30p</td>
<td>M</td>
<td>Briones M</td>
<td>ZOOM</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
</tbody>
</table>

MUS 107, JAZZ IN AMERICA  
A study of the history and development 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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Term</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>08631</td>
<td>6:00p-9:10p</td>
<td>Th</td>
<td>Hizon V</td>
<td>C-104</td>
<td>Full Semester</td>
<td>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</td>
</tr>
</tbody>
</table>

MUS 108, JAZZ IN AMERICA  
A study of the history and development 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.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Term</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>08632</td>
<td>10:05a-11:05a</td>
<td>M</td>
<td>Kehlenbach E</td>
<td>HYBRID</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
</tbody>
</table>

MUS 109, BASSOON PERFORMANCE  
An introduction to the techniques of playing the bassoon. Basic techniques and repertoire will be studied. Students are required to have their own bassoons.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Term</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>00633</td>
<td>6:00p-10:15p</td>
<td>Th</td>
<td>Hizon V</td>
<td>C-104</td>
<td>Full Semester</td>
<td>1.50 hours arranged per week.</td>
</tr>
</tbody>
</table>

| ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times | Low Cost or Free Textbooks | ZTC | OER | 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 | | | | |
**MUS 112, MUSIC THEORY AND MUSICIANSII**  
Continued study of harmony and ear training. Includes writing phrases and cadences, non-harmonic tones, harmonization, voice leading, melodic construction, figured bass, chord progression, and keyboard harmony. Required for music majors; open to non-majors.  
Prerequisite: Music 111 with a minimum grade of C.  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Weekly Arrangement</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 08635</td>
<td>6:00p-10:15p</td>
<td>Th</td>
<td>Marr J</td>
<td>N-117</td>
<td>1 arranged hour per week.</td>
</tr>
</tbody>
</table>

**MUS 113A, BASIC MUSICIANSHIP SKILLS**  
Ear training and in-class sight-singing preparation for students not ready for Music 114A. Arranged hours in Music Lab for computer programs and ear training computer programs. Basic knowledge of scales, intervals, and major key signatures recommended.  
Prerequisite: Music 113A with a minimum grade of C.  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Weekly Arrangement</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 08636</td>
<td>5:00p-5:50p</td>
<td>Th</td>
<td>Marr J</td>
<td>N-105</td>
<td>1 hour 25 minutes arranged each week.</td>
</tr>
</tbody>
</table>

**MUS 113B, MUSICIANSHIP SKILLS**  
Continued ear training and in-class sight-singing preparation for students not ready for Music 114A. Arranged hours in Music Lab for computer programs and ear training programs. Basic knowledge of scales and intervals recommended.  
Prerequisite: Music 113A with a minimum grade of C.  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Weekly Arrangement</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 08637</td>
<td>5:00p-5:50p</td>
<td>Th</td>
<td>Marr J</td>
<td>N-105</td>
<td>1 hour 25 minutes arranged each week.</td>
</tr>
</tbody>
</table>

**MUS 114A, MUSICIANSHIP**  
Competency-based sightsinging, rhythm, ear training, and dictation (melodic/harmonic) for performers and transferring music majors. Ear training software in the Music Lab is used for aural exercises.  
Prerequisite: Music 112 with a minimum grade of C.  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Weekly Arrangement</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 08638</td>
<td>6:00p-6:50p</td>
<td>Th</td>
<td>Kehlenbach E</td>
<td>N-105</td>
<td>2 hours 30 minutes arranged each week.</td>
</tr>
</tbody>
</table>

**MUS 114B, MUSICIANSHIP**  
Competency-based sightsinging, rhythm, ear training, and dictation (melodic/harmonic) for performers and transferring music majors. Ear Training software in the Music Lab is used for aural exercises. B semester uses more advanced materials.  
Prerequisite: Music 114A with a minimum grade of C.  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Weekly Arrangement</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 08639</td>
<td>6:00p-6:50p</td>
<td>Th</td>
<td>Kehlenbach E</td>
<td>N-105</td>
<td>2 hours 30 minutes arranged each week.</td>
</tr>
</tbody>
</table>

**MUS 115A, APPLIED MUSIC (PRIVATE INSTRUCTION)**  
Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar. Five hours on-campus practice per week and attendance at weekly recital required. B, C, and D semesters require study of more advanced repertoire. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.  
Open Entry / Open Exit  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Start/End Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Weekly Arrangement</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 09275</td>
<td>6:00p-6:50p</td>
<td>Th</td>
<td>Briones M</td>
<td>C-104</td>
<td>2 hours 30 minutes arranged each week.</td>
</tr>
</tbody>
</table>

New students interested in Applied Music instruction should attend the orientation meeting Tuesday, February 8, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more info call 714-564-5655. 6 hours arranged per week. 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.
MUS 115B, APPLIED MUSIC (PRIVATE INSTRUCTION)  
Weekly lesson in voice, piano, band/orchestra instrument, or classical guitar, covering more advanced repertoire than Music 115A. Five hours on-campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

Open Entry / Open Exit

New students interested in Applied Music instruction should attend the orientation meeting Tuesday, February 8, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more info call 714-564-5655. 6 hours arranged per week. 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.

MUS 115C, APPLIED MUSIC (PRIVATE INSTRUCTION)  
Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 115B. Five hours on-campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

Open Entry / Open Exit

New students interested in Applied Music instruction should attend the orientation meeting Tuesday, February 8, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more info call 714-564-5655. 6 hours arranged per week. 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.

MUS 115D, APPLIED MUSIC (PRIVATE INSTRUCTION)  
Weekly lesson in voice, piano, band/orchestral instrument, or classical guitar, covering more advanced repertoire than Music 115C. Five hours on campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

Open Entry / Open Exit

New students interested in Applied Music instruction should attend the orientation meeting Tuesday, February 8, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more info call 714-564-5655. 6 hours arranged per week. 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.

MUS 121, BEGINNING VOICE  
Group instruction designed to develop basic principles of solo and choral voice production, diction, breath control, and posture. Practice outside of class required. Recommended for non- music majors and for music majors not studying privately.

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.

MUS 122, INTERMEDIATE VOICE  
Group instruction designed to develop intermediate principles of solo and choral voice production, diction, breath control, and posture. Vocal analysis of each student emphasized. Practice outside of class required. Song literature matched to student level. Designed for both music majors and non-music majors.

Prerequisite: Music 121 with a minimum grade of C.

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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Meeting Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 123, ADVANCED VOICE</td>
<td>5:00p-5:50p</td>
<td>Tu</td>
<td>Jones E</td>
<td>N-117</td>
<td>Full Semester</td>
</tr>
<tr>
<td>MUS 124, ADVANCED VOCAL PRODUCTION AND REPERTOIRE</td>
<td>5:00p-5:50p</td>
<td>Tu</td>
<td>Jones E</td>
<td>N-117</td>
<td>Full Semester</td>
</tr>
<tr>
<td>MUS 135, CONCERT CHORALE</td>
<td>1:15p-2:40p</td>
<td>M W</td>
<td>Jones E</td>
<td>N-117</td>
<td>Full Semester</td>
</tr>
<tr>
<td>MUS 136, COLLEGIATE CHOIR</td>
<td>2:50p-4:15p</td>
<td>M W</td>
<td>Jones E</td>
<td>N-117</td>
<td>Full Semester</td>
</tr>
<tr>
<td>MUS 137, CHAMBER CHOIR</td>
<td>7:00p-10:10p</td>
<td>Tu</td>
<td>Jones E</td>
<td>N-117</td>
<td>Full Semester</td>
</tr>
<tr>
<td>MUS 141, INSTRUMENTAL ENSEMBLES</td>
<td>7:00p-10:10p</td>
<td>W</td>
<td>Viramontes E</td>
<td>N-117</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

**MUS 123, ADVANCED VOICE**

Group instruction designed to present advanced vocal exercises for solo and choral vocal production. Instruction includes song literature in English and several foreign languages. Practice outside of class required. Designed for both music majors and non-music majors.

**Prerequisite:** Music 122 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Day</th>
<th>Instructor</th>
<th>Room</th>
<th>Duration</th>
</tr>
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<tbody>
<tr>
<td>C</td>
<td>08646</td>
<td>5:00p-5:50p</td>
<td>Tu</td>
<td>Jones E</td>
<td>N-117</td>
</tr>
<tr>
<td>C</td>
<td>08644</td>
<td>6:00p-6:50p</td>
<td>Tu</td>
<td>Jones E</td>
<td>N-117</td>
</tr>
</tbody>
</table>

**MUS 124, ADVANCED VOCAL PRODUCTION AND REPERTOIRE**

Continuation of group instruction for students who have completed three semesters of voice and can perform at an advanced level. Further develops advanced vocal and choral production through a variety of vocalize styles and techniques. Instruction includes advanced English and foreign language song literature. Practice outside of class required. Designed for both music majors and non-music majors.

**Prerequisite:** Music 123 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Day</th>
<th>Instructor</th>
<th>Room</th>
<th>Duration</th>
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<tbody>
<tr>
<td>O</td>
<td>08649</td>
<td>5:00p-5:50p</td>
<td>Tu</td>
<td>Jones E</td>
<td>N-117</td>
</tr>
<tr>
<td>O</td>
<td>08647</td>
<td>6:00p-6:50p</td>
<td>Tu</td>
<td>Jones E</td>
<td>N-117</td>
</tr>
</tbody>
</table>

**MUS 135, CONCERT CHORALE**

Rehearsal and performance of standard and current choral repertoire. Designed to train students in mixed ensemble singing. Public performance emphasized. Each semester requires performance of a variety of new and different repertoire. Designed for students who have basic singing skills.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08650</td>
<td>1:15p-2:40p</td>
<td>M W</td>
<td>Jones E</td>
<td>N-117</td>
</tr>
<tr>
<td>C</td>
<td>08653</td>
<td>7:00p-10:10p</td>
<td>Tu</td>
<td>Jones E</td>
<td>N-117</td>
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</table>

<table>
<thead>
<tr>
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<th>Instructor</th>
<th>Room</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>08655</td>
<td>1:15p-2:40p</td>
<td>M W</td>
<td>Jones E</td>
<td>N-117</td>
</tr>
<tr>
<td>O</td>
<td>08656</td>
<td>7:00p-10:10p</td>
<td>Tu</td>
<td>Jones E</td>
<td>N-117</td>
</tr>
</tbody>
</table>

**MUS 136, COLLEGIATE CHOIR**

Mixed choir which rehearses and performs a variety of music, including classical, folk tunes, and songs from Broadway musicals. Each semester requires performance of new repertoire.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08657</td>
<td>2:50p-4:15p</td>
<td>M W</td>
<td>Jones E</td>
<td>N-117</td>
</tr>
<tr>
<td>O</td>
<td>08658</td>
<td>7:00p-10:10p</td>
<td>W</td>
<td>Viramontes E</td>
<td>N-117</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>08657</td>
<td>1 hour arranged per week. 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.</td>
</tr>
<tr>
<td>O</td>
<td>08658</td>
<td>7:00p-10:10p</td>
</tr>
</tbody>
</table>

**MUS 137, CHAMBER CHOIR**

Rehearsal and performance of chamber choir repertoire from various historical periods. Course designed for festival and concert performance. Each semester requires the performance of new repertoire.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08657</td>
<td>2:50p-4:15p</td>
<td>M W</td>
<td>Jones E</td>
<td>N-117</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
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<tbody>
<tr>
<td>O</td>
<td>08658</td>
<td>7:00p-10:10p</td>
</tr>
</tbody>
</table>

**MUS 141, INSTRUMENTAL ENSEMBLES**

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Instructor</th>
<th>Room</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>08657</td>
<td>Viramontes E</td>
<td>N-117</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

**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.
MUS 142, CREATING MUSIC ON THE DIGITAL AUDIO WORKSTATION 1.0 UNIT
Basic techniques in creating music with computer assisted technology, including the production of software instrument tracks, drum track programming, audio recording, editing, mixdown, and use of the software sampler. Students learn practical applications through creation of musical projects.

08659
10:05a-11:10a M W D'Ignazio R DMC-204 02/07-03/30
11:20a-12:25p M W D'Ignazio R DMC-204

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 143, INTERMEDIATE TECHNIQUES ON THE DIGITAL AUDIO WORKSTATION 1.0 UNIT
Intermediate techniques in creating music with computer assisted technology including digital sound manipulation, time and pitch editing, virtual mixing, auxiliary tracks, MIDI effects, and use of the software sampler. Students learn practical applications and electronic composition through creation of musical projects.
Prerequisite: Music 142 with a minimum grade of C.

08665
10:05a-11:10a M W D'Ignazio R DMC-204 04/11-06/01
11:10a-12:25p M W D'Ignazio R DMC-204

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 144, PROJECTS IN ELECTRONIC MUSIC 1.0 UNIT
Exploration of digital recording and MIDI concepts for commercial applications. Individual projects will improve and extend students’ skills in the areas of composition, sequencing, and recording. Assignments will help prepare students for level 1 certification in logic.
Prerequisite: Music 143 or Music 147 with a minimum grade of C.

MUS 148, MUSIC SCORING FOR FILM AND MULTIMEDIA 2.0 UNITS
Techniques of scoring music, audio, and sound effects to video and multimedia. Compositional elements of scoring to picture as well as technical elements of creating digital audio tracks are covered. Experience with digital recording and/or working with a digital audio workstation is necessary.

08682
10:05a-11:35a Tu Th Marr J DMC-204 02/08-03/29
11:45a-1:15p Tu Th Marr J DMC-204

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 149, THE BUSINESS OF MUSIC 2.0 UNITS
Introduction to the business and legal aspects of the music industry. This course covers current trends and issues for performing and recording careers in music. Topics include copyright, royalties, recording contracts, performing rights organizations, publishing, and publicity.

08683
5:20p-7:25p Tu Wilsey D DMC-203 Full Semester

MUS 152, BEGINNING AUDIO PRODUCTION 3.0 UNITS
Introduction to the theory and practice of audio production for radio, stage, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment. Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software.

08684
4:00p-5:25p M W Garcia J DMC-204 Full Semester
5:25p-5:55p M W Garcia J DMC-204

08685
6:00p-7:25p Tu Th Garcia J DMC-204 Full Semester
7:25p-7:55p Tu Th Garcia J DMC-204

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.

08687
9:05a-9:55a M Dasilva P N-106 Full Semester
9:05a-9:55a W Dasilva P N-106

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HYBRID: On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction
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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
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SANTA ANA COLLEGE – SPRING 2022

ONLINE:

Fully Online Instruction - Time-flexible online course with no scheduled meeting times
Low Cost or Free Textbooks
OER
ZTC
Honors Courses:
HONORS

ON CAMPUS:

On-Campus Instruction - On-campus and in-person with scheduled meeting days and times.
SANTA ANA COLLEGE – SPRING 2022

MUS 168, STYLISTIC INTERPRETATION OF PIANO REPERTOIRE 1.0 UNIT
Style characteristics of Baroque, Classical, Romantic and 20th century music studied through representative piano compositions. Students learn to play expressively within currently accepted performance practices for each period. Not for beginners. Prerequisite: Music 163 with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
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</tr>
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<tbody>
<tr>
<td>08697</td>
<td>5:35p-6:25p</td>
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<td>Jin J</td>
<td>N-106</td>
<td>Full Semester</td>
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<tr>
<td>09261</td>
<td>6:35p-7:25p</td>
<td>W</td>
<td>Jin J</td>
<td>N-106</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>1:15p-2:15p</td>
<td>Th</td>
<td>Jin J</td>
<td>ZOOM</td>
<td></td>
</tr>
</tbody>
</table>

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.

MUS 171, CONCERT BAND 1.0 UNIT
Study and rehearsal of band music for concert performances on campus and in the community. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>09294</td>
<td>6:35p-9:45p</td>
<td>W</td>
<td>Gerling A</td>
<td>N-114</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

MUS 175, JAZZ ENSEMBLE 1.0 UNIT
Study, rehearsal, and performance of contemporary jazz/rock music for the jazz ensemble with help in developing techniques of improvisation. Each semester requires performance of new and different jazz repertoire. Designed for students with basic performance skills.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>09295</td>
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<td>Hizon V</td>
<td>N-114</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

MUS 176, JAZZ BAND 1.0 UNIT
Advanced study, rehearsal, and performance of standard and contemporary jazz literature. Includes advanced techniques in improvisation. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>09296</td>
<td>6:35p-9:45p</td>
<td>M</td>
<td>Hizon V</td>
<td>N-114</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

MUS 178, MARIACHI 1.0 UNIT
Mixed ensemble for the study, rehearsal, and performance of Mariachi repertoire with an emphasis on the music from Jalisco. Each semester requires the performance of different repertoire. Designed for students who have basic performance skills.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>08699</td>
<td>7:00p-10:05p</td>
<td>W</td>
<td>Viramontes E</td>
<td>N-117</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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 180A, STRING METHODS 1.0 UNIT
Beginning instruction on violin, viola, cello, or string bass. Fundamental skills developed through in-class rehearsal and performance of technical exercises and beginning orchestral repertoire.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>08701</td>
<td>6:00p-7:05p</td>
<td>Tu</td>
<td>Kaye J</td>
<td>N-114</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>7:15p-8:20p</td>
<td>Tu</td>
<td>Kaye J</td>
<td>N-114</td>
<td></td>
</tr>
</tbody>
</table>

MUS 180B, INTERMEDIATE STRING METHODS 1.0 UNIT
Intermediate instruction on violin, viola, cello, or string bass. Skills developed through in-class rehearsal and performance of intermediate technical exercises and orchestral repertoire. Prerequisite: Music 180A with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
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</tr>
</thead>
<tbody>
<tr>
<td>08704</td>
<td>6:00p-7:05p</td>
<td>Tu</td>
<td>Kaye J</td>
<td>N-114</td>
<td>Full Semester</td>
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<tr>
<td></td>
<td>7:15p-8:20p</td>
<td>Tu</td>
<td>Kaye J</td>
<td>N-114</td>
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</tbody>
</table>

MUS 180C, ADVANCED STRING METHODS 1.0 UNIT
Advanced instruction on violin, viola, cello, or string bass. Skills developed through in-class rehearsal and performance of advanced technical exercises and orchestral repertoire. Prerequisite: Music 180B with a minimum grade of C.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Type</th>
</tr>
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<tbody>
<tr>
<td>08707</td>
<td>6:00p-7:05p</td>
<td>Tu</td>
<td>Kaye J</td>
<td>N-114</td>
<td>Full Semester</td>
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<tr>
<td></td>
<td>7:15p-8:20p</td>
<td>Tu</td>
<td>Kaye J</td>
<td>N-114</td>
<td></td>
</tr>
</tbody>
</table>

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Honors Courses:
HONORS
SANTA ANA COLLEGE – SPRING 2022  Page 178

MUS 181, CHAMBER ORCHESTRA  1.0 UNIT
Rehearsal and performance of standard repertoire for chamber orchestra. Each semester requires the performance of a variety of different repertoire. Designed for students who have basic performance skills.

C  08702  6:00p-9:10p  Tu  Kaye J  N-114  Full Semester

MUS 185, BEGINNING CLASSICAL GUITAR  1.0 UNIT
Guitar playing techniques of right hand and left hand fingers. Development of correct finger usage. Basic instruction in reading staff notation and relating staff notation to practical playing of solo and ensemble repertoire. Student must furnish nylon string guitar.

C  08716  2:20p-3:10p  M  D'Ignazio R  N-114  Full Semester
  3:20p-4:10p  W  D'Ignazio R  N-114
C  08720  6:10p-7:00p  M  Adele D  N-117  Full Semester
  7:35p-8:25p  M  Adele D  N-117

MUS 186, INTERMEDIATE CLASSICAL GUITAR  1.0 UNIT
Instruction at the intermediate level in solo, duo, and trio repertoire. Emphasizes technique studies and performance styles of 18th century music. Student must provide nylon string guitar.
Prerequisite: Music 185 with a minimum grade of C.

C  08722  7:35p-8:25p  M  Adele D  N-117  Full Semester
  8:35p-9:25p  M  Adele D  N-117

MUS 187, ADVANCED CLASSICAL GUITAR  1.0 UNIT
Instruction at the advanced level in solo, duo, and trio repertoire. Emphasizes advanced technical studies and etudes and performance styles of 16th through 20th century music. Student must provide nylon string guitar.
Prerequisite: Music 186 with a minimum grade of C.

C  08724  8:35p-9:25p  M  Adele D  N-117  Full Semester
  7:35p-8:25p  M  Adele D  N-117

MUS 188, ADVANCED CLASSICAL GUITAR TECHNIQUE AND REPERTOIRE  1.0 UNIT
Study of advanced guitar technique, solo literature, and performance practices of Renaissance, Baroque, and Classical styles through 20th century music. Student must provide nylon string guitar.
Prerequisite: Music 187 with a minimum grade of C.

C  08761  7:35p-8:25p  M  Adele D  N-117  Full Semester
  8:35p-9:25p  M  Adele D  N-117

MUS 189, GUITAR ENSEMBLE  1.0 UNIT
Rehearsal and performance of standard and current repertoire for guitar ensemble. Each semester requires the performance of a variety of different repertoire. Designed for students who can read notes in first position.

C  08763  10:00a-1:10p  Sa  Adele D  N-114  Full Semester

MUS 190, INTRODUCTION TO PROTOOLS  1.5 UNITS
Fundamental features and applications of ProTools audio software used in post-production for television, film and music. Orientation to functions, user interface and actual operation of digital audio workstation. Techniques and aesthetics associated with creation of well-mixed soundtracks are addressed. Hands-on practice with digital recording and editing of soundtracks.

C  08765  11:25a-12:15p  Tu Th  Keane M  DMC-204  04/12-06/02
  12:25p-1:50p  Tu Th  Keane M  DMC-204

MUS 214, THEORY 4  3.0 UNITS
Continuation of Music 213. Late 19th century harmonic technique, and important aspects of 20th century style. Analysis and writing of short, derivative compositions. Keyboard harmony. Concurrent enrollment in Music 114B recommended. Required for music majors; open to non-majors.
Prerequisite: Music 213 with a minimum grade of C.

C  08766  7:00p-10:10p  Th  Kehlenbach E  N-114  Full Semester

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Low Cost or Free Textbooks
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ZTC
Honors Courses:
HONORS
MUS 215A, APPLIED MUSIC (ADVANCED PRIVATE INSTRUCTION)  1.5 UNITS
Advanced lessons in classical music in voice, piano, band/orchestral instrument, or guitar. Weekly requirements include five hours on-campus practice per week, weekly lessons, and weekly recital attendance.  
Prerequisite: Music 115D with a minimum grade of C and audition and concurrent enrollment in a music ensemble or music theory course.

<table>
<thead>
<tr>
<th>Class</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Semester</th>
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<tbody>
<tr>
<td>C09290</td>
<td>Briones M</td>
<td>C-104</td>
<td>Fully Semester</td>
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</tr>
</tbody>
</table>

New students interested in Applied Music instruction should attend the orientation meeting Tuesday, February 8, 5:00p-6:00p, SAC C-104. Auditions and other program requirements will be discussed. For more info call 714-564-5655. 6 hours arranged per week. 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.

MUS 216, ADVANCED HARMONY AND COMPOSITION I  3.0 UNITS
Extension of harmonic studies of Music 213 and 214 into complete small compositions. Emphasizes learning to write effectively for the piano. Introduction to simple contrapuntal techniques and how to combine words with music.  
Prerequisite: Music 214 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Class</th>
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<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Semester</th>
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<tbody>
<tr>
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</tr>
</tbody>
</table>

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 241, CHAMBER MUSIC ENSEMBLE  1.0 UNIT
Rehearsal and performance of music of various periods and styles for small instrumental, vocal, or combined ensembles. Each semester requires performance of new repertoire. Designed for students with previous performance experience.  
Prerequisite: Music 168 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Class</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Semester</th>
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</table>

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 268, INTERMEDIATE KEYBOARD REPETOIRE  1.0 UNIT
Style characteristics of Baroque, Classical, Romantic, and 20th century music studied through intermediate level piano compositions. Students learn to play expressively within currently accepted performance practices for each period.  
Prerequisite: Music 168 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Class</th>
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<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Semester</th>
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<tbody>
<tr>
<td>C08698</td>
<td>Jin J</td>
<td>N-106</td>
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</tr>
</tbody>
</table>

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.

MUS 271, SYMPHONIC BAND  1.0 UNIT
The rehearsal and performance of band music. Preparation of standard band repertoire for performances in the community. Each semester requires performance of a variety of new and different repertoire. Designed for students with intermediate or advanced performance skills.  
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.
### NURSING-REGISTERED (NRN)

#### NRN 106A, HEALTH SCIENCE SKILLS LABORATORY - FIRST SEMESTER 0.5 UNIT
Supervised use with supplemental learning assistance of the skills lab to assist the student in the development of clinical competency of nursing fundamentals and mastery of fundamental psychomotor skills content addressed in courses NRN-161, NRN 161L, NRN 163, NRN-163L NRN 171, and NRN 171L.

- **Open Entry / Open Exit**
- C 06394 Mixer D R-203 Full Semester
  - 27 hours to be arranged.

#### NRN 106B, HEALTH SCIENCES SKILLS LABORATORY - SECOND SEMESTER 0.5 UNIT
Supervised use with supplemental learning assistance of skills lab to assist the student in development of clinical competency of nursing concepts pertaining to maternal-child health and mastery of psychomotor skills related to maternal-child biological and psychosocial needs addressed in courses NRN 164, NRN 164L, NRN 165, NRN 165L, NRN 172, and NRN 172L.

- **Open Entry / Open Exit**
- C 06395 Mixer D R-203 Full Semester
  - 27 hours to be arranged.
- C 06396 Soto M SJH Full Semester
  - 27 hours to be arranged.

#### NRN 106C, HEALTH SCIENCES SKILLS LABORATORY - FIRST YEAR REFRESHER 0.5 UNIT
Supervised use with supplemental learning assistance of skills lab to assist the re-entry student or EMT student in the expansion of clinical competency of principles of nursing and mastery of basic to intermediate psychomotor skills content addressed in courses NRN 161, NRN 161L, NRN 163, NRN 163L, NRN 164, NRN 164L, NRN 171, NRN 171L, NRN 172, NRN 172L, EMT 104 or EMT 105.

- **Open Entry / Open Exit**
- C 06397 Mixer D R-203 Full Semester
  - 27 hours to be arranged.

#### NRN 170, PHARMACOLOGICAL CONCEPTS OF NURSING 2.0 UNITS
This pharmacology course introduces the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain related to pharmacology including: fluid and electrolyte balance, metabolism, central nervous system, cellular regulaon, oxygenaon, perfusion, reproduccon, inflamaon, biocon, mobility, comfort, stress and coping, mood & affect, cognion, safety & infeccon control, communicacon, professional behavior, diversity, health promocon, healthcare systems, clinical reasoning/judgment, and ethics. Further emphasis is placed on dosage calculaons, drug classificaons, and applicaon of the nursing process to drug administraon. Upon compleon, students should be able to idenfy safe nursing care incorporang the concepts discussed in this course.

- Prerequisite: Biology 239, Biology 249, and Biology 139 or Biology 229, and English 101 or English 101H with a minimum grade of C.
- 06401 Papa E HYBRID Full Semester
  - 1:15p-3:20p W Staff I-209
  - 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](http://canvas.sac.edu) Requires Lippincott E-TEXTBOOK PLATFORM. Directions for purchasing the platform will be given during orientation. Must be in the SAC Nursing Program or have a letter from the Program Director.

#### NRN 171, PRINCIPLES OF NURSING PRACTICE AND SIMPLE CONCEPTS 4.5 UNITS
This course introduces and develops the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: elimination, metabolism, fluid and electrolyte balance, perfusion, inflammation, infection, mobility, cognion, oxygenaon, tissue integracon, comfort, emergencies, safety and infeccon control, diversity, health promocon, communicacon, professional behaviors, clinical reasoning/judgment, healthcare system, and ethics. Upon compleon, students should be able to identify and explain safe nursing care incorporating the concepts discussed in this course.

- Prerequisite: Biology 239, Biology 249, and Biology 139 or Biology 229, and English 101 or English 101H with a minimum grade of C.
- C 06402 9:00a-11:20a W Th Papa E R-307 Full Semester
  - Requires Lippincott's E-textbook platform. Directions for purchasing the platform will be given during orientation. Testing fees are required. Directions for paying the fess will be emailed.

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**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.
NRN 171L, PRINCIPLES OF NURSING PRACTICE AND SIMPLE CONCEPTS LAB 4.5 UNITS
This clinical course applies the concepts of NRN 171 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: elimination, metabolism, fluid and electrolyte balance, perfusion, inflammation, infection, mobility, cognition, oxygenation, tissue integrity, comfort, emergencies, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, healthcare system, ethics, and clinical competency.
Prerequisite: Biology 239, Biology 249, and Biology 139 or Biology 229, and English 101 or English 101H with a minimum grade of C.

**C 06403**
243 hours to be arranged on Mondays and Tuesdays in R-307, OC Global and other locations as arranged.

**C 06404**
243 hours to be arranged on Mondays and occasional Tuesdays in R-307, SJH and other locations as arranged.

**C 06405**
243 hours to be arranged on Mondays and occasional Tuesdays in R-307, FV, and other locations as arranged.

**C 06406**
243 hours to be arranged on Mondays and occasional Tuesdays in R-307, SCG, and other locations as arranged.

NRN 172, FAMILY HEALTH AND ILLNESS CONCEPTS 4.0 UNITS
This course describes and relates the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: physical growth and development, psychosocial development, cognitive development, metabolism, cellular regulation, perfusion, reproduction, infection, comfort, emergencies, oxygenation, inflammation, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, and ethics. Upon completion, students should be able to differentiate safe nursing care incorporating the concepts discussed in this Family Health and Illness Concepts course.
Prerequisite: Nursing-Registered 170 and Nursing-Registered 171 with a minimum grade of C, and Nursing-Registered 171L with a minimum grade of P.

**C 06407**
12:35p-2:40p W Th Vasquez M R-307 Full Semester
Requires Lippincott e-textbook platform. Directions for purchasing the platform will be given during orientation. There are testing fees. Directions for paying the fees will be emailed. Only students enrolled in the extended campus program may register for section #06408.

**C 06408**
5:00p-7:05p W Th Vasquez M SJH Full Semester
Requires Lippincott e-textbook platform. Directions for purchasing the platform will be given during orientation. There are testing fees. Directions for paying the fees will be emailed. Only students enrolled in the traditional program may register for section #06407.

NRN 172L, FAMILY HEALTH AND ILLNESS CONCEPTS LAB 4.5 UNITS
This clinical course applies the concepts of NRN 172 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: physical growth and development, psychosocial development, cognitive development, metabolism, cellular regulation, perfusion, reproduction, infection, comfort, emergencies, oxygenation, inflammation, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, and ethics. Upon completion, students should be able to differentiate safe nursing care incorporating the concepts discussed in this Family Health and Illness Concepts Lab.
Prerequisite: Nursing-Registered 170 and Nursing-Registered 171 with a minimum grade of C, and Nursing-Registered 171L with a minimum grade of P.

**C 06409**
243 hours to be arranged. Only students enrolled in the extended campus program may register for section #06413 and #06414. Orientation for all NRN-272L students is on 2/7/22.

**C 06410**
243 hours to be arranged. Scheduling information from Health Sciences, Nursing office. Orientation for all the NRN-172L section is on 2/7/2022.

**C 06411**
243 hours to be arranged. Scheduling information from the Health Science/Nursing Office. Orientation for all the NRN-172L sections is on 2/7/2022.

**C 06412**
243 hours to be arranged. Scheduling information from the Health Sciences/Nursing office. Orientation for all the NRN-172L sections is on 2/7/2022.

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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

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Low Cost or Free Textbooks

OER

ZTC

Honors Courses: HONORS
ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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SANTA ANA COLLEGE – SPRING 2022 Page 182

[Course Details]

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

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

LOW COST OR FREE TEXTBOOKS:
OER
ZTC

HONORS COURSES:

06413 Mayer Q UCI Full Semester
243 hours to be arranged. Scheduling information from the Health Sciences/Nursing Office. Orientation for all the NRN-172L sections is on 2/7/2022.

06414 Derr L SJH Full Semester
243 hours to be arranged. Scheduling information from the Health Sciences/Nursing Office. Orientation for all the NRN-172L sections is on 2/7/2022.

NRN 206A, HEALTH SCIENCES SKILLS LABORATORY - THIRD SEMESTER 0.5 UNIT
Supervised use with supplemental learning assistance of skills lab to assist the student in development of clinical competency of mental health nursing and mastery of psychomotor skills content addressed in courses NRN 261, NRN 261L, NRN 262, NRN 262L, NRN 271, and NRN 271L.
Open Entry / Open Exit

06398 Mixer D R-203 Full Semester
27 hours to be arranged.

NRN 206B, HEALTH SCIENCES SKILLS LABORATORY - FOURTH SEMESTER 0.5 UNIT
Supervised use with supplemental learning assistance of skills lab to assist the student in development of clinical competency of advanced medical/surgical nursing concepts and mastery of advanced medical/surgical psychomotor skills content addressed in courses NRN 263, NRN 263L, NRN 264L, NRN 272, and NRN 272L.
Open Entry / Open Exit

06399 Mixer D R-203 Full Semester
27 hours to be arranged.

NRN 206C, HEALTH SCIENCES SKILLS LABORATORY - SECOND YEAR TRANSITION 0.5 UNIT
Supervised use with supplemental learning assistance of skills lab to assist the RN refresher, advanced placed nursing student, or EMT student in the development and maintenance of clinical competency of nursing theoretical knowledge and mastery of advanced psychomotor skills content necessary for the transition into clinical practice as addressed in courses NRN 261, NRN 261L, NRN 262, NRN 262L, NRN 263, NRN 263L, NRN 264L, NRN 271, NRN 271L, NRN 272, and NRN 272L; EMT 104, or EMT 105.
Open Entry / Open Exit

06400 Mixer D R-203 Full Semester
27 hours to be arranged.

NRN 271, MENTAL HEALTH AND ACUTE CONCEP 4.0 UNITS
This course examines the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: metabolism, emergencies, stress & coping, mood & affect, cognition, addictive behavior, central nervous system regulation, cellular regulation, oxygenation, perfusion, inflammation, infection, mobility, comfort, safety & infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, health care system, and ethics. Upon completion, students should be able to analyze safe nursing care incorporating the concepts discussed in this course.
Prerequisite: Nursing-Registered 172 with a minimum grade of C and Nursing-Registered 172L with a minimum grade of P.

06415 3:00p-5:05p W Th Valtairo R R-307 Full Semester
Requires Lippincott’s e-textbook platform. Directions for paying for the platform will be given during orientation and in class. There is a Kaplan testing fee. Directions for paying the fee will be emailed by Kaplan.

NRN 271L, MENTAL HEALTH AND ACUTE CONCEPTS LAB 4.5 UNITS
This clinical course applies the concepts of NRN 271 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: metabolism, emergencies, stress & coping, mood & affect, cognition, addictive behavior, central nervous system regulation, cellular regulation, oxygenation, perfusion, inflammation, infection, mobility, comfort, safety & infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, health care system, ethics and clinical competency.
Prerequisite: Nursing-Registered 172 with a minimum grade of C and Nursing-Registered 172L with a minimum grade of P.

06416 Valtairo R UCI Full Semester
243 hours to be arranged. Scheduling information from the Health Sciences/Nursing Office. Orientation for all NRN-271L sections is on 2/7/2022.

06417 Delaby M SJH Full Semester
243 hours to be arranged. Scheduling information form the Health Sciences/Nursing Office. Orientation for all NRN-271L sections is on 2/7/2022.
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.

Prerequisite: Nursing-Registered 271 with a minimum grade of C and Nursing-Registered 271L with a minimum grade of P.

NURSING 272, COMPLEX CONCEPTS 3.5 UNITS
This course formulates the concepts within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: fluid and electrolyte balance, metabolism, central nervous system regulation, oxygenation, perfusion, tissue integrity, infection, mobility, comfort, emergencies, safety & infection control, diversity, health promotion, communication, professional behavior, clinical reasoning/judgment, health care system, and ethics. Upon completion, students should be able to manage safe nursing care incorporating the concepts discussed in this course.
Prerequisite: Nursing-Registered 271 with a minimum grade of C and Nursing-Registered 271L with a minimum grade of P.

NURSING 272L, COMPLEX CONCEPTS AND PRECEPTORSHIP LAB 4.5 UNITS
This clinical course applies the concepts of NRN 272 within the four domains of Person, Health and Illness, Environment, and Nursing. Emphasis is placed on the concepts within each domain including: fluid and electrolyte balance, metabolism, central nervous system regulation, oxygenation, perfusion, tissue integrity, infection, mobility, comfort, emergencies, safety & infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, health care system, ethics, and clinical competency. Additional emphasis is placed on developing leadership skills including time management, prioritization, and delegation in an independent clinical environment precepted by an experienced registered nurse. Upon completion, students should be able to manage safe nursing care incorporating the concepts identified and discussed in the nursing curriculum.
Prerequisite: Nursing-Registered 271 with a minimum grade of C and Nursing-Registered 271L with a minimum grade of P.

NUTRITION AND FOOD (NUTR) 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.

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
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Free Textbooks
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Honors Courses:
### Occupational Therapy

OS 312, ADVANCED PRACTICE AREAS IN OCCUPATIONAL THERAPY (OT)  

This course will provide a study of the advanced practice areas in occupational therapy. Advance practice areas in occupational therapy include: physical agent modalities (PAMs), hand therapy and feeding and swallowing. This class will focus on the theory and application of PAMs for the use in occupational therapy; the fundamentals of hand therapy including treatment guidelines in occupational therapy; and feeding and swallowing issues with the occupational therapy client.

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<tr>
<th>CRN</th>
<th>Time</th>
<th>Instructor</th>
<th>Location</th>
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<tbody>
<tr>
<td>08427</td>
<td>8:30a-9:55a</td>
<td>Wang W</td>
<td>HYBRID</td>
<td>Full Semester</td>
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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](https://canvas.sac.edu)
OS 402, NEUROLOGICAL PRINCIPLES IN HUMAN PERFORMANCE 4.0 UNITS
This course will provide an in-depth study of the neurologic principles used in rehabilitation practice. This will focus on understanding the structures and function of the central and peripheral nervous systems and to the sequelae of injury to these systems. There will be an emphasis on cognitive, visual, and perceptual problems in adults with acquired brain injury. This course will also look at the role of the nervous system in various aspects of human behavior.

H 08435 Wang W HYBRID Full Semester
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

OS 410, HEALTHCARE SYSTEMS 3.0 UNITS
This course will cover the various healthcare systems that influence the practice of occupational therapy. Topics will include economics, types of insurance, healthcare policies, ongoing healthcare reform, and the role of technology. As a part of this course students will complete an independent, in-depth study of one of the key practice areas in OT as identified by the American Occupational Therapy Association (AOTA).

O 08437 Wang W ONLINE 02/07-04/03
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.

OS 412, CAPSTONE SEMINAR 3.0 UNITS
This Capstone Seminar is designed to demonstrate the student’s accumulated training through the development of a project that reflects theory, advanced knowledge of practice, and innovation. Each student will complete a project that is individually mentored and demonstrates an increased level of self-direction.

H 08438 Wang W HYBRID Full Semester
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

OCCUPATIONAL THERAPY ASSISTANT (OTA)

OTA 100, MEDICAL TERMINOLOGY AND DOCUMENTATION FOR THE O.T.A. 1.0 UNIT
This course will offer an introduction to basic medical terminology and documentation appropriate to practice needs of the Occupational Therapy Assistant.

Prerequisite: Biology 149 or Biology 239 and Biology 249 with a minimum grade of C.

O 08439 Reeder S 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.

OTA 101, FOUNDATIONS OF OCCUPATION AND OCCUPATIONAL THERAPY 4.0 UNITS
This course defines and explores occupation as it is used to provide the foundation for study of the occupational therapy profession. It further provides an overview of the history and development of occupational therapy as well as the dimensions of past and present practice.

O 08441 Reeder S 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.

OTA 101L, EXPLORATION OF OCCUPATION THROUGH ACTIVITY 2.0 UNITS
In this lab class, students will explore the meaning and variability of occupation through self-analysis of occupational patterns, perform task analysis of varied activities, and have the opportunity to observe and practice teaching and learning skills.

Prerequisite: English 101/101H, and Communication Studies 101/101H, or 102/102H or 103/103H or 140 or 145 with a minimum grade of C.

C 08497 8:30a-11:40a M W Padilla J T-210 Full Semester
This class meets on-campus.

OTA 102, PSYCHOSOCIAL FUNCTION AND DYSFUNCTION 4.0 UNITS
This course will define and explore psychosocial phenomena commonly seen by the Occupational Therapy Assistant and will examine evaluation techniques, functional deficits, and methods of treatment.

Prerequisite: Occupational Therapy Assistant 100, Occupational Therapy Assistant 101, Occupational Therapy Assistant 101L and Occupational Therapy Assistant 110 with a minimum grade of C.

C 08498 2:30p-4:35p Tu Th Staff H-207 Full Semester
This class meets on-campus.
OTA 102L, PSYCHOSOCIAL COMPONENTS OF OCCUPATION  2.5 UNITS
This course will explore the occupational therapy assistant's role in therapeutic relationships, in administering assessments used primarily in pediatric, adolescent, and adult psychosocial settings, and in therapeutic group design and facilitation.
Prerequisite: Occupational Therapy Assistant 100, Occupational Therapy Assistant 101, Occupational Therapy Assistant 101L and Occupational Therapy 110 with a minimum grade of C.

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OTA 103, PHYSICAL FUNCTION AND DYSFUNCTION  4.0 UNITS
This course will focus on the occupational function of the child, adolescent, and adult which emphasizes the physical components of development, the continuum of function/dysfunction of the client and the role of the O.T.A. in assessment and treatment of commonly seen physical dysfunction diagnosis.
Prerequisite: Occupational Therapy Assistant 102, Occupational Therapy Assistant 102L, Occupational Therapy Assistant 111 and Occupational Therapy Assistant 115 with a minimum grade of C.

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OTA 103L, PHYSICAL COMPONENTS OF OCCUPATION  2.5 UNITS
This lab course explores the Occupational Therapy Assistant's role in safety, assessments and treatment techniques commonly used by occupational therapists in physical dysfunction settings.
Prerequisite: Occupational Therapy Assistant 102, Occupational Therapy Assistant 102L, Occupational Therapy Assistant 111 and Occupational Therapy Assistant 115 with a minimum grade of C.

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OTA 110, HUMAN OCCUPATION ACROSS LIFESPAN  3.0 UNITS
This course will explore human occupation across lifespan with an emphasis on the relationship between human development and occupational choice. Physical, cognitive, psychological, social, and linguistic developmental milestones and changes will be covered from fetal development through old age.

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OTA 111, APPLIED KINESIOLOGY  1.0 UNIT
This course will focus on understanding human movement as an integral component of occupational performance and will examine how kinesiology and biomechanics are utilized in treatment by the Occupational Therapy Assistant.
Prerequisite: Occupational Therapy Assistant 100, 101, 101L, and 110 with a minimum grade of C.

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<td>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.</td>
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OTA 115, HUMAN DISEASE AND OCCUPATION  2.0 UNITS
This class will explore diseases that are commonly seen in occupational therapy practice and the effect they have on participation in occupation. Each disease will be covered in terms of etiology, prognosis, prevention, pathophysiology, medical management, precautions, and lifestyle redesign required as a result of the disease.
Prerequisite: Occupational Therapy Assistant 100, 101, 101L, and 110 with a minimum grade of C.

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OTA 201, CONTEMPORARY MODELS OF OCCUPATIONAL THERAPY PRACTICE  4.0 UNITS
This lecture/lab course explores the multiple roles of the occupational therapy assistant in documentation, service management, professional behaviors, non-traditional roles, and contemporary models of practice.
Prerequisite: Occupational Therapy Assistant 102, Occupational Therapy Assistant 102L, Occupational Therapy Assistant 111 and Occupational Therapy Assistant 115 with a minimum grade of C.

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**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**
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 08524 Padilla J T-210 02/07-03/03
Section 08524 has 40 hours arranged per week.

OTA 203, LEVEL II FIELDWORK - PART II 6.0 UNITS
Supervised fieldwork experience in an occupational therapy practice setting that will provide the student appropriate opportunities to apply knowledge and skills learned in the classroom.
Prerequisite: Occupational Therapy Assistant 103, Occupational Therapy Assistant 103L, and Occupational Therapy Assistant 201 with a minimum grade of C.

C 08525 Padilla J T-210 04/11-06/05
Section 08525 has 40 hours arranged per week.

**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.

C 07464 10:05a-11:30a M W Robinson K A-226 Full Semester
This class meets 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.

VH 07461 7:00p-8:00p M Staff ZOOM Full Semester
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.

VH 08070 9:00a-1:00p Sa Staff ZOOM Full Semester
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 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.

C 07468 Smith K 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. 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 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.

C 07469 Abdul-Fields A ONLINE Full Semester
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**

**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

**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**
SANTA ANA COLLEGE – SPRING 2022

07470   Abdul-Fields A ONLINE 03/07-06/05
Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

07471   Abdul-Fields A ONLINE 04/11-06/05
Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

PARA 107, PRINCIPLES AND PROCEDURES IN THE CRIMINAL JUSTICE SYSTEM 3.0 UNITS
An examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal, utilizing statutory law and state and constitutional law precedents.

07474   Robinson K HYBRID Full Semester
11:40a-12:50p M W Staff A-226
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

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.

07476   Smith K ONLINE Full Semester
6:00p-9:00p Th Staff 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.

07467   Sauber D 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. 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 135, BANKRUPTCY LAW AND PROCEDURE 2.0 UNITS
Federal bankruptcy act and court procedures for the paralegal, the functions of the bankruptcy trustee, and a detailed examination of the process of being declared a bankrupt. May require a field trip.

08077   Harman J ONLINE 04/11-06/05
6:00p-8:00p W Staff 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 138, LAW OF BUSINESS ORGANIZATIONS 2.0 UNITS

08079   Williamson K ONLINE 02/07-04/03
9:00a-1:00p Sa Staff 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.
PARA 144, INTRODUCTION TO EDISCOVERY 2.0 UNITS
Focus on the discovery phase of litigation with specific instruction on eDiscovery. The study of the California Rules of Court, California Statutes and procedures for e-filing and eDiscovery regulations regarding the retention and production of electronic data in a civil litigation case. Practical applications for paralegals.

**VH 08081**  
9:00a-1:00p Sa  Staff 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 145, CIVIL LITIGATION OVERVIEW 4.0 UNITS

**VH 08082**  
6:00p-9:00p M  Staff 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.

PARA 146, TORT LAW AND ALTERNATIVE DISPUTE RESOLUTION 4.0 UNITS
Intentional torts, negligence, strict liability, product liability, damages, immunity, and defenses to torts. Principles of insurance law and procedures for the investigation of personal injury cases. Principles of dispute resolution through negotiation, mediation, and arbitration. Students will mediate impartially and use tools to maximize negotiation effectiveness. The course includes application of mediation skills in the law office.

**VH 08083**  
6:00p-9:00p Tu  Staff 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.

PARA 150, LEGAL TRANSACTIONS 5.0 UNITS
Introduction to contracts and drafting legal documents for corporations and real estate transactions. Contract formation, performance, breach, and third party interests. Students will learn the laws of the California Corporations Code and the laws governing real estate transactions. Students will learn to draft various contracts and other documents and will select, edit, and customize formbook and computerized forms in real property, corporations, family law, and estate planning.

**VH 07477**  
6:00p-9:00p W  Staff 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.

PARA 246, LEGAL RESEARCH AND ANALYSIS 4.0 UNITS
Principles of legal research, legal analysis, and techniques for the Paralegal to assist an attorney in the delivery of legal services to their client. Recommended Preparation: Law 100 or Paralegal 100 with a minimum grade of C.

**VH 08084**  
6:00p-8:00p Tu  Staff 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 248, ADVANCED RESEARCH AND WRITING 3.0 UNITS
Advanced projects in legal research and writing emphasis on legal form and style. Prerequisite: Paralegal 246 with a minimum grade of C.

**VH 08085**  
6:00p-8:00p Tu  Staff 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. Students must complete PARA 248 with a C or better prior to taking PARA 248.
PARA 297, THE PROFESSIONAL PARALEGAL 2.0 UNITS
This is the capstone class to the paralegal degree. Students will demonstrate their knowledge of ethics, legal principles, and the technical skills necessary for entry level employment as a paralegal. This course is to be taken in the semester of or prior to graduation. This course will include preparation of graduation petitions, professional resumes and a professional portfolio that will include work prepared in PARA 101, PARA 121, PARA 120, PARA 145 and PARA 150. Students will be required to certify they are in the second to last or last semester prior to graduation.

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.

PHARMACY TECHNOLOGY (PHAR) 2.0 UNITS
Overview of the SAC Pharmacy Technician training program. Definition of the roles and preview of the opportunities open to pharmacy technicians in various practice settings. Presentation of pharmaceutical dosage forms, the drug development process, and drug classification systems. Introduction to prescription labeling and to the law and ethics of pharmacy practice.

PARA 297, THE PROFESSIONAL PARALEGAL 2.0 UNITS
This is the capstone class to the paralegal degree. Students will demonstrate their knowledge of ethics, legal principles, and the technical skills necessary for entry level employment as a paralegal. This course is to be taken in the semester of or prior to graduation. This course will include preparation of graduation petitions, professional resumes and a professional portfolio that will include work prepared in PARA 101, PARA 121, PARA 120, PARA 145 and PARA 150. Students will be required to certify they are in the second to last or last semester prior to graduation.

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PARA 297, THE PROFESSIONAL PARALEGAL 2.0 UNITS
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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.
### PHAR 056, PHARMACY OPERATIONS 4.5 UNITS
Hands-on training in customer service, inventory control, compounding, packaging, record-keeping, and drug distribution in the outpatient pharmacy setting. Includes prescription lab simulations and use of computers.
Prerequisite: Pharmacy Technology 048, Pharmacy Technology 051, or Pharmacy Technology 052 and Pharmacy Technology 055 or Pharmacy Technology 054B with a minimum grade of C. Typing proficiency minimum of 30 wpm with 95% accuracy.

### PHAR 056L, PHARMACY TECHNOLOGY SKILLS LAB 0.5 - 1.0 UNITS
Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Pharmacy Operations lab class. Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills lab class also allows students with significant time lapse from program attendance to prepare for externship or job placements. Significant time lapse is defined as 1 year by departmental policy in compliance with the American Society of Health-System Pharmacists' re-accreditation body. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree.
Corequisite: Pharmacy Technology 056.

### PHAR 057, INPATIENT PHARMACY SERVICES 2.0 UNITS
Technical aspects of drug distribution for the inpatient (hospital) pharmacy setting. Hands-on training in medication order processing, pharmacy patient profile maintenance, medication preparation (includes packaging), and inpatient drug distribution using manual and automated systems. Includes electronic and manual record-keeping, pharmacy law, and CQI. Hands-on training in medication reconciliation in the emergency room setting. Develop and enhance communication and patient-interviewing skills through various communication methods.
Prerequisite: Pharmacy Technology 048, and Pharmacy Technology 051 or Pharmacy Technology 052, and Pharmacy Technology 055 or Pharmacy Technology 054B with a minimum grades of C. (Typing proficiency of 30 WPM with 95% accuracy.)

### PHAR 057L, PHARMACY TECHNOLOGY SKILLS LAB 0.5 - 1.0 UNITS
Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Inpatient Pharmacy Services lab class (PHAR 057). Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills Lab class also allows students with significant time lapse from program attendance to prepare for externship or job placements. Significant time lapse is defined as 1 year by departmental policy, in compliance with the American Society of Health-System Pharmacists' re-accreditation body. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree.
Corequisite: Pharmacy Technology 057.

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### Schedule

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Type</th>
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<tr>
<td>08331</td>
<td>Ross Jr J</td>
<td>Sa</td>
<td>10:05a-12:10p</td>
<td>Staff ZOOM</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
<tr>
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<td></td>
<td>Fully Remote Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. <a href="http://canvas.sac.edu">canvas.sac.edu</a>. There will be no instruction on-campus.</td>
</tr>
</tbody>
</table>

**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.
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.

PHAR 060, STERILE PRODUCTS
Application of aseptic techniques and use of the laminar flow hood in the preparation of sterile products in accordance to USP 797. Emphasis on parenteral calculations, sterile dosage forms, and quality assurance procedures. Includes the pharmacology of antimicrobial and antineoplastic drugs.
Prerequisite: Pharmacy Technology 048, Pharmacy Technology 051, Pharmacy Technology 052 and Pharmacy Technology 055 or Pharmacy Technology 054B with a minimum grade of C. Typing proficiency of 30 WPM with 95% accuracy.

PHAR 060L, PHARMACY TECHNOLOGY SKILLS LAB
Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Sterile Products lab class (PHAR 060). Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills Lab class also allows students with significant time lapsed from program attendance to prepare for externship or job placements. Significant time lapsed is defined as 1 year by departmental policy in compliance with the American Society of Health-System Pharmacists’ re-accreditation body. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree.
Corequisite: Pharmacy Technology 060.

PHAR 072A, PHARMACY TECHNOLOGY EXTERNSHIP OUTPATIENT
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.

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.

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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

C 08461  
Dombroske L  
H-210  
01/03-06/12

This class meets on-campus.

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

C 08462  
Dombroske L  
H-210  
01/03-06/12

This class meets on-campus.

PHAR 072L1, PHARMACY TECHNOLOGY SKILLS LAB  
0.5 - 1.0 UNITS

Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Outpatient Pharmacy Technology Externship rotation (PHAR 072). Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills lab class also allows students with significant time lapsed from program attendance to prepare for externship or job placements. Significant time lapsed is defined as 1 year by departmental policy in compliance with the American Society of Health-System Pharmacists’ re-accreditation body. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree.

Corequisite: Concurrent enrollment in Pharmacy Technology 056. Returning students who took Pharmacy Technology 056 can take Pharmacy Technology 072L-1 alone.

Open Entry / Open Exit

C 08357  
9:00a-12:00p  
Sa  
Dombroske L  
H-210  
Full Semester

This class meets on-campus.

C 08354  
1:30p-4:30p  
9:00a-12:00p  
M W  
Sa  
Dombroske L  
H-210  
Full Semester

This class meets on-campus.

C 08355  
1:30p-4:30p  
M  
Ross Jr J  
H-210  
Full Semester

This class meets on-campus.

C 08356  
1:30p-4:30p  
W  
Dombroske L  
H-210  
Full Semester

This class meets on-campus.
PHAR 072L2, PHARMACY TECHNOLOGY SKILLS LAB  
**0.5 - 1.0 UNITS**
Supervised use of the Pharmacy Technology skills lab (a supplemental learning assistance course) to assist the students in developing competency in the technical skills required to successfully complete the Inpatient Pharmacy Technology Externship rotation (PHAR 072). Additionally, this Skills Lab class allows students working in one setting of pharmacy to come back and practice skills in another setting. Skills Lab class also allows students with significant time lapsed from program attendance to prepare for externship or job placements. Significant time lapse is defined as 1 year by departmental policy in compliance with the American Society of Health-System Pharmacists’ re-accreditation body. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree.

Corequisite: Pharmacy Technology 057. Returning students who took Pharmacy Technology 057 can take Pharmacy Technology 072L2 alone.

Open Entry / Open Exit

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**PHILOSOPHY (PHIL)**

PHIL 106, INTRODUCTION TO PHILOSOPHY  
**3.0 UNITS**
A survey of historical and contemporary ideas on how to live the good life.

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<th>Course Code</th>
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<tr>
<td>C 04867</td>
<td>8:30a-9:55a</td>
<td>Tu Th</td>
<td>Rodriguez A</td>
<td>D-208</td>
<td>Full Semester</td>
<td></td>
</tr>
<tr>
<td>C 04868</td>
<td>11:40a-1:05p</td>
<td>M W</td>
<td>Donley D</td>
<td>D-208</td>
<td>Full Semester</td>
<td></td>
</tr>
<tr>
<td>C 04866</td>
<td>7:35p-10:35p</td>
<td>M</td>
<td>Donley D</td>
<td>D-212</td>
<td>Full Semester</td>
<td></td>
</tr>
<tr>
<td>O 04869</td>
<td></td>
<td></td>
<td>Brocatto C</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td></td>
</tr>
</tbody>
</table>

Phi 106 fully online course. 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 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Start Time</th>
<th>End Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>C 04953</td>
<td>10:05a-11:30a</td>
<td>Tu Th</td>
<td>Rodriguez A</td>
<td>D-208</td>
<td>Full Semester</td>
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</tr>
<tr>
<td>O 04954</td>
<td></td>
<td></td>
<td>Fish Z</td>
<td>ONLINE</td>
<td>04/11-06/05</td>
<td></td>
</tr>
</tbody>
</table>

04871 10:05a-11:30a Tu Th Rodriguez A D-208 Full Semester

Online Degree Pathway course. Registration open to all students. 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Start Time</th>
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<th>Days</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>C 04953</td>
<td>10:05a-11:30a</td>
<td>Tu Th</td>
<td>Rodriguez A</td>
<td>D-208</td>
<td>Full Semester</td>
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<td>O 04954</td>
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<td>Fish Z</td>
<td>ONLINE</td>
<td>04/11-06/05</td>
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</tr>
</tbody>
</table>

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.
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>04958</td>
<td>7:50a-9:55a</td>
<td>M W</td>
<td>Fish Z</td>
<td>D-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04959</td>
<td>7:50a-9:55a</td>
<td>Tu Th</td>
<td>Brocatto C</td>
<td>D-102</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04955</td>
<td>10:05a-12:10p</td>
<td>Tu Th</td>
<td>Brocatto C</td>
<td>D-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04956</td>
<td>10:05a-12:10p</td>
<td>M W</td>
<td>Fish Z</td>
<td>D-103</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04961</td>
<td>1:15p-3:20p</td>
<td>M W</td>
<td>Brocatto C</td>
<td>D-102</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04962</td>
<td>7:00p-10:50p</td>
<td>Tu</td>
<td>Redoutey M</td>
<td>D-102</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04957</td>
<td></td>
<td></td>
<td>Brocatto C</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>04964</td>
<td>7:50a-10:05a</td>
<td>M W</td>
<td>Fish Z</td>
<td>D-103</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>04965</td>
<td>1:15p-3:20p</td>
<td>Tu Th</td>
<td>Fish Z</td>
<td>D-103</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

PHIL 112, WORLD RELIGIONS 3.0 UNITS
A philosophical overview of the world’s great religions. Includes historical origin and growth of each religion, major doctrines, and influence. Religions dealt with include Primitive, Hinduism, Jainism, Buddhism, Taoism, Confucianism, Judaism, Christianity and Islam.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Semester</th>
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</thead>
<tbody>
<tr>
<td>04966</td>
<td>10:05a-11:30a</td>
<td>M W</td>
<td>Brocatto C</td>
<td>D-201</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

PHOTOGRAPHY (PHOT) 0.5 UNIT
Sign-in/out supervised laboratory. Work on assignments from other photography courses or on independent projects. Completion of new and more advanced assignments each semester. Accumulation of 24 hours earns 0.5 unit. Requires concurrent enrollment in a photography course.
Open Entry / Open Exit

Material Fee(s): $15.00

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>08097</td>
<td>11:40a-1:05p</td>
<td>Tu</td>
<td>Schlossman J</td>
<td>A-217</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>11:40a-1:05p</td>
<td>Tu</td>
<td>Staff</td>
<td>A-219</td>
<td></td>
</tr>
</tbody>
</table>

There is no additional textbook cost for this ZTC class.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Room</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>08098</td>
<td>11:40a-1:05p</td>
<td>Th</td>
<td>Schlossman J</td>
<td>A-217</td>
<td>Full Semester</td>
</tr>
<tr>
<td></td>
<td>11:40a-1:05p</td>
<td>Th</td>
<td>Staff</td>
<td>A-219</td>
<td></td>
</tr>
</tbody>
</table>

There is no additional textbook cost for this ZTC class.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Instructor</th>
<th>Room</th>
<th>Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>08099</td>
<td>Marquez P</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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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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.
PHOT 180, BEGINNING PHOTOGRAPHY  
3.0 UNITS  
This course provides students with an introduction to visual concepts, basic image capture, and camera functions with digital cameras. Software basics for photographic imaging and digital printing.  
**Material Fee(s):** $15.00  

- **08120**: Marquez P  
  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](http://canvas.sac.edu) There will be no instructional meetings.

- **08122**:  
  C 11:00a-1:05p  Sa  White A  A-219  Full Semester
  1:15p-4:25p  Sa  White A  A-219

- **08128**:  
  C 1:15p-2:05p  M W  Staff  A-219  Full Semester
  2:15p-3:40p  M W  Staff  A-219

- **08129**:  
  C 1:15p-2:05p  Tu Th  Schlossman J  A-219  Full Semester
  2:15p-3:40p  Tu Th  Schlossman J  A-219

- **08130**:  
  O 5:10p-7:15p  M  Zumpfe K  A-219  Full Semester
  7:25p-10:35p  M  Zumpfe K  A-219

PHOT 180A, LANDSCAPE PHOTOGRAPHY  
3.0 UNITS  
This course concentrates on producing images under available light conditions found in natural and man-made environments. Topics include creating awareness of light and its function along with learning techniques for exposing under many different lighting conditions.  
**Prerequisite:** Photography 180 with a minimum grade of C.  
**Material Fee(s):** $15.00  

- **08131**:  
  H 5:00p-9:00p  W  Schlossman J  HYBRID  A-219  Full Semester
  There is no additional textbook cost for this ZTC class.

PHOT 180B, LANDSCAPE PHOTOGRAPHY  
3.0 UNITS  
Continued instruction in cityscape, seascape, and landscape photography with special attention given to documentary, pictorial, and metaphorical styles. A DSLR camera required.  
**Prerequisite:** Photography 185A with a minimum grade of C.  
**Material Fee(s):** $15.00  

- **08132**:  
  H 5:00p-9:00p  W  Schlossman J  HYBRID  A-219  Full Semester
  There is no additional textbook cost for this ZTC class.

PHOT 292, PORTRAIT PHOTOGRAPHY  
3.0 UNITS  
In this course the student will learn portrait styles and techniques using both natural, and artificial lighting in the studio and on location.  
**Prerequisite:** Photography 180 with a minimum grade of C.  
**Material Fee(s):** $15.00  

- **08134**:  
  C 5:00p-5:50p  Tu Th  Schlossman J  A-219  Full Semester
  6:00p-7:25p  Tu Th  Schlossman J  A-219
  There is no additional textbook cost for this ZTC class.

PHYS 109, SURVEY OF GENERAL PHYSICS  
4.0 UNITS  
The study of important phenomena in physics. Topics include mechanics, fluids, thermodynamics, sound, light, electricity, magnetism, and modern physics. Recommended for all students interested in a conceptual approach to physics and students planning on taking more advanced courses in physics.  

- **07206**:  
  C 6:55a-9:55a  M  Staff  SC-312  Full Semester
  6:55a-9:55a  W  Staff  SC-312
SANTA ANA COLLEGE – SPRING 2022

PHYS 210, PRINCIPLES OF PHYSICS I 4.0 UNITS
A calculus-based physics course designed for students majoring in the life sciences, pre-medicine, and related disciplines. Topics include classical mechanics, wave motion, and thermodynamics.
Prerequisite: Mathematics 180/180H with a minimum grade of C.
C 07207 4:25p-5:50p Tu Th Staff I-203 Full Semester
10:05a-1:05p F Staff SC-312

PHYS 211, PRINCIPLES OF PHYSICS II 4.0 UNITS
A calculus-based physics course designed for students majoring in the life sciences, pre-medicine, and related disciplines. Topics include: electricity and magnetism, light, optics, and modern physics.
Prerequisite: Physics 210 and Mathematics 180/180H with a minimum grade of C.
C 07208 4:25p-5:50p M W Staff I-203 Full Semester
1:15p-4:15p F Staff SC-312

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 07209 6:55a-8:20a M W Staff SC-113-1 Full Semester
10:05a-1:05p M Staff SC-312
C 07210 6:55a-8:20a M W Staff SC-113-2 Full Semester
6:55a-9:55a Tu Staff SC-312

PHYS 227, ENGINEERING PHYSICS II 4.0 UNITS
Introduces the basic principles of electricity and magnetism. The main topics are electrostatics, circuits, magnetism, electro-magnetic induction, and Maxwell's equations. 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 07211 2:50p-4:15p Tu Th Staff SC-113-1 Full Semester
1:15p-4:15p W Staff SC-312
C 07212 2:50p-4:15p Tu Th Staff SC-113-2 Full Semester
10:05a-1:05p 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 07213 1:15p-2:40p M W Staff I-204 Full Semester
10:05a-1:05p Tu 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Location</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>04838</td>
<td>8:30a-9:55a</td>
<td>Tu</td>
<td>Andrade P</td>
<td>D-101</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04848</td>
<td>8:30a-9:55a</td>
<td>M W</td>
<td>Murphy T</td>
<td>D-106</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04851</td>
<td>8:30a-9:55a</td>
<td>Tu</td>
<td>Murphy T</td>
<td>D-106</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04855</td>
<td>10:05a-1:05p</td>
<td>F</td>
<td>Petri M</td>
<td>D-101</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04858</td>
<td>10:05a-11:30a</td>
<td>M W</td>
<td>Petri M</td>
<td>D-101</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04850</td>
<td>11:40a-1:05p</td>
<td>M W</td>
<td>Murphy T</td>
<td>D-106</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04852</td>
<td>2:50p-4:15p</td>
<td>M W</td>
<td>Becker C</td>
<td>D-106</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04853</td>
<td>4:25p-7:25p</td>
<td>M</td>
<td>Becker C</td>
<td>D-106</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04854</td>
<td>4:25p-7:25p</td>
<td>W</td>
<td>Becker C</td>
<td>D-101</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04856</td>
<td>4:25p-7:25p</td>
<td>Tu</td>
<td>Petri M</td>
<td>D-101</td>
<td>Full Semester</td>
</tr>
<tr>
<td>04835</td>
<td></td>
<td></td>
<td>Andrade P</td>
<td>ONLINE</td>
<td>Full Semester</td>
</tr>
</tbody>
</table>

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

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04836  Andrade P  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](http://canvas.sac.edu) There will be no instructional meetings.

04837  Andrade P  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](http://canvas.sac.edu) There will be no instructional meetings.

H 04840  Murphy T  HYBRID  Full Semester
5:30p-6:55p  Tu  Staff  D-106
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](http://canvas.sac.edu) - 5 mandatory on-campus meetings on Tuesday 02/08, 03/01, 3/29, 04/26 and 05/24/2022 from 5:30p-6:55p in SAC D-106.

H 04843  Murphy T  HYBRID  Full Semester
4:45p-6:10p  W  Staff  D-106
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](http://canvas.sac.edu) - 5 mandatory on-campus meetings on Wednesday 02/09, 03/02, 3/30, 04/27 and 05/25/2022 from 4:45p-6:10p in SAC D-106.

POLT 220, INTERNATIONAL POLITICS 3.0 UNITS
An introduction to international relations theory with an examination of national, international, transnational, and sub-national actors and their institutions, interactions and processes as they relate to global issues.

C 04863  10:05a-11:30a  Tu Th  Andrade P  D-101  Full Semester
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 04973  6:55a-8:20a  M W  Pedroza J  D-434  Full Semester
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 04978  8:30a-9:55a  Tu Th  Pedroza J  D-214  Full Semester
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 04972  10:05a-11:30a  M W  Pedroza J  D-434  Full Semester
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 04981  10:05a-11:30a  Tu Th  Pedroza J  D-434  Full Semester
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 04970  6:55a-8:20a  Ortiz R  ONLINE  02/07-04/03
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](http://canvas.sac.edu) There will be no instructional meetings. 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](http://canvas.sac.edu)

C 04980  10:05a-11:30a  Tu Th  Pedroza J  D-434  Full Semester
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.

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.
Introduction to human development from a psychological perspective. Explores human development from conception through death, with issues in the field of gerontology.

Examines psychological and related biological and social changes that occur in adulthood and old age and how these changes vary with ethnicity, gender and social class. Topics include longevity, health, successful aging, intimate and family relationships.

PSYC 100H, HONORS INTRODUCTION TO PSYCHOLOGY 3.0 UNITS
Seminar-style, content enriched course for honors students exploring 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.

PSYC 140, INTRODUCTION TO PSYCHOLOGY OF ADULTHOOD AND AGING 3.0 UNITS
Examines psychological and related biological and social changes that occur in adulthood and old age and how these changes vary with ethnicity, gender and social class. Topics include longevity, health, successful aging, intimate and family relationships and mental disorders of adulthood. Designed to help students understand their own and others’ aging and to familiarize them with issues in the field of gerontology.

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.
05009  Ortíz R  ONLINE  02/07-04/03
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. Mathematical placement Exam and a course equivalent to Mathematics 083 or Mathematics 084. 

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.

05010  Ortíz R  ONLINE  04/11-06/05
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.

05012  Nardi N  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.

05013  Nardi N  ONLINE  02/07-04/03
Online Degree Pathway course. Registration open to all students. 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.

05015  Nardi N  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.

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.

05016  Yimenu B  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.

05019  Yimenu B  ONLINE  02/07-04/03
Online Degree Pathway course. Registration open to all students. 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.

09300  4:00p-4:50p  Tu Th  Staff  D-434  Full Semester

09337  4:00p-4:50p  Tu Th  Staff  D-434  Full Semester

05020  Yimenu B  ONLINE  Full Semester
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

05023  Castillo R  ONLINE  04/11-06/05
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

 canvas.sac.edu

05009  Ortíz R  ONLINE  02/07-04/03
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. 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.

05010  Ortíz R  ONLINE  04/11-06/05
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.

05013  Nardi N  ONLINE  02/07-04/03
Online Degree Pathway course. Registration open to all students. 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.

05015  Nardi N  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.

05016  Yimenu B  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.

05019  Yimenu B  ONLINE  02/07-04/03
Online Degree Pathway course. Registration open to all students. 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.

09300  4:00p-4:50p  Tu Th  Staff  D-434  Full Semester

09337  4:00p-4:50p  Tu Th  Staff  D-434  Full Semester

05020  Yimenu B  ONLINE  Full Semester
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

05023  Castillo R  ONLINE  04/11-06/05
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

canvas.sac.edu
PSYC 230, PSYCHOLOGY AND EFFECTIVE BEHAVIOR 3.0 UNITS
Introduction to psychoanalytic, behavioristic, cognitive, humanistic and existential theories of personality as they relate to dealing effectively with the changing demands of everyday life. Covers personal growth, self-concept, stress and coping, personal goals and motivation, and interpersonal relationships in relation to culture, gender, ethnicity, historical cohort, and socio-economic status. Includes exercises for increasing self-awareness, identifying personal goals, and for building skills for effective living and well-being.
Prerequisite: Psychology 100/100H with a minimum grade of C.

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.

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.

READ 102, ACADEMIC READING 3.0 UNITS
Introduces a repertoire of reading strategies aimed at preparing students for comprehension of complex college-level reading material. Advanced reading strategies provide the foundation for the development of critical reading and the recognition of patterns of academic thought. Reading strategies for specific disciplines, including the social sciences, business, humanities and the arts, mathematics and the natural sciences are presented.
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.

05121  Gilreath G  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.

05123  Gilreath G  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.

05124  Gilreath G  ONLINE  04/11-06/05
Online Degree Pathway course. Registration open to all students. 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.

05127  Gilreath G  ONLINE  04/11-06/05
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.

SOCIETY (SOC) 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.

05177  10:05a-1:05p  F  Torres S  D-302  Full Semester
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.

05141  Cicchelli G  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. 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.

05143  Cicchelli G  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.

05146  O'Dell R  ONLINE  04/11-06/05
Online Degree Pathway course. Registration open to all students. 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.

05154  6:55a-8:20a  M W  Staff  ZOOM  Full Semester
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. 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.

05169  6:55a-8:20a  Tu Th  Staff  ZOOM  Full Semester
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. 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.

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
ZTC
OER
Honors Courses:
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.

SANTA ANA COLLEGE – SPRING 2022

05170
8:30a-9:55a  Tu Th
Gregg H ONLINE Full Semester
Staff ZOOM
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. 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.

05171
10:05a-11:30a  Tu Th
Ramirez C ONLINE Full Semester
Staff ZOOM
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. 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.

05176
6:30p-9:40p  M
Gregg H ONLINE Full Semester
Staff ZOOM
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. 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.

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.

05179 7:35p-10:35p  Th
Torres S D-102 Full Semester
O'Dell R ONLINE 02/07-04/03
Online Degree Pathway course. Registration open for all students. 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.

05163
10:05a-11:30a  M W
Campbell A ONLINE Full Semester
Staff ZOOM
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. 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.

05173
10:05a-11:30a  Tu Th
Campbell A ONLINE Full Semester
Staff ZOOM
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. 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.

SOC 140, SOCIAL PROBLEMS 3.0 UNITS
An extensive survey of contemporary social trends and problems through sociological analysis concentrating on their causes, complexities, consequences, and possible solutions. Special emphasis will be placed on the problems in the U.S., with consideration of the global perspective.

05166 1:15p-2:40p  M W
Torres S D-305 Full Semester
Ramirez C ONLINE 02/07-04/03
Online Degree Pathway course. Registration open for all students. Fully Online instruction. Students are required to log into Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

05174
8:30a-9:55a  Tu Th
Campbell A ONLINE Full Semester
Staff ZOOM
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.
SOC 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 individual and on other groups. Content includes self-development, interaction, attitudes, conformity, friendship, love, aggression, group dynamics. Prerequisite: Sociology 100 or Psychology 100 with a minimum grade of C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>05168</td>
<td>8:30a-9:55a</td>
<td>M W</td>
<td>Staff</td>
<td>ZOOM</td>
<td>ONLINE</td>
<td>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.</td>
</tr>
</tbody>
</table>

SOC 401, THE SOCIOLOGY OF HEALTH, ILLNESS, AND HEALING 3.0 UNITS
This course analyzes the social contexts of health, illness, and organized medical care. It examines empirical research and theory of the changing concepts of health, illness and medical practice in their socio-historical contexts. Topics will include: social epidemiology, the biomedical and social construction of health/illness, the experience of illness, the historical transformation of the health professions and the health work force, disparities in health care, medical technology, global comparisons of health care and health care reform. Prerequisite: Limitation on enrollment: Student must be admitted to the Occupational Studies program Sociology 100 or Sociology 100H with a minimum grade of C.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Type</th>
<th>Notes</th>
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<tbody>
<tr>
<td>05152</td>
<td></td>
<td></td>
<td>Cicchelli G</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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.</td>
</tr>
</tbody>
</table>

SPANISH (SPAN) 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.

<table>
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<tr>
<th>Code</th>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
<th>Mode</th>
<th>Type</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>04474</td>
<td>7:00a-9:30a</td>
<td>M W</td>
<td>Fuentes Sanchez A</td>
<td>D-302</td>
<td>Full Semester</td>
<td></td>
</tr>
<tr>
<td>04479</td>
<td>10:05a-12:35p</td>
<td>M W</td>
<td>Fuentes Sanchez A</td>
<td>D-204</td>
<td>Full Semester</td>
<td></td>
</tr>
<tr>
<td>04484</td>
<td>10:05a-12:35p</td>
<td>Tu Th</td>
<td>Palacios R</td>
<td>D-305</td>
<td>Full Semester</td>
<td></td>
</tr>
<tr>
<td>04482</td>
<td>1:15p-3:45p</td>
<td>M W</td>
<td>Valle M</td>
<td>D-302</td>
<td>Full Semester</td>
<td></td>
</tr>
<tr>
<td>04452</td>
<td>4:25p-6:55p</td>
<td>Tu Th</td>
<td>Fiallo C</td>
<td>D-303</td>
<td>Full Semester</td>
<td>Section 04452 has been specifically designed for SPANISH SPEAKERS. This class requires the text &quot;Portales 2&quot; with the electronic code for online lab materials.</td>
</tr>
<tr>
<td>04468</td>
<td>7:35p-10:05p</td>
<td>M W</td>
<td>Torres J</td>
<td>D-302</td>
<td>Full Semester</td>
<td>Section 04468 has been specifically designed for SPANISH SPEAKERS. This class requires the text &quot;Portales 2&quot; with the electronic code for online lab materials.</td>
</tr>
<tr>
<td>04487</td>
<td>7:35p-10:05p</td>
<td>Tu Th</td>
<td>Goite A</td>
<td>D-302</td>
<td>Full Semester</td>
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<tr>
<td>04048</td>
<td></td>
<td></td>
<td>Galvan J</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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 requires the text &quot;Puntos de partida&quot; with the electronic code for online lab materials.</td>
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<tr>
<td>04441</td>
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<td>Galvan J</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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 requires the text &quot;Puntos de partida&quot; with the electronic code for online lab materials.</td>
</tr>
<tr>
<td>04443</td>
<td>1:15p-3:45p</td>
<td>W</td>
<td>Staff</td>
<td>ZOOM</td>
<td>HYBRID</td>
<td>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, 2/8, 3/2, 3/30, 4/27, and 6/1 from 1:15-3:45 p.m. This class requires the text &quot;Puntos de partida&quot; with the electronic code for online lab materials.</td>
</tr>
<tr>
<td>04449</td>
<td></td>
<td></td>
<td>Guerrero-Phlaum M</td>
<td>ONLINE</td>
<td>Full Semester</td>
<td>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 requires the text &quot;Puntos de partida&quot; with the electronic code for online lab materials.</td>
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<tr>
<td>Code</td>
<td>Time</td>
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<td>Instructor</td>
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<td>Credit Units</td>
<td>Description</td>
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<tr>
<td>04459</td>
<td>7:00a-9:30a</td>
<td>Tu</td>
<td>Aguilar Hernandez G</td>
<td>HYBRID</td>
<td>Full Semester</td>
<td>Online Hybrid Instruction. A combination of some live streaming via Zoom during the days and times indicated and online instruction. Students log in to Canvas. <a href="http://canvas.sac.edu">canvas.sac.edu</a>. There will be no instruction on-campus. This section has 5 mandatory Zoom meetings on Tuesdays, 2/8, 3/1, 3/29, 4/26, and 5/31 from 7:00-9:30 a.m. Section 04459 has been specifically designed for SPANISH SPEAKERS. This class requires the text &quot;Portales 2&quot; with the electronic code for online lab materials.</td>
</tr>
<tr>
<td>04455</td>
<td>4:25p-6:55p</td>
<td>Tu Th</td>
<td>Fiallo C</td>
<td>FULLY ONLINE LIVE</td>
<td>5.0 UNITS</td>
<td>SPAN 101H, HONORS ELEMENTARY SPANISH I</td>
</tr>
<tr>
<td>04440</td>
<td></td>
<td></td>
<td>Galvan J</td>
<td>ONLINE</td>
<td>5.0 UNITS</td>
<td>SPAN 102, ELEMENTARY SPANISH II</td>
</tr>
<tr>
<td>04532</td>
<td>1:15p-3:45p</td>
<td>Tu Th</td>
<td>Palacios R</td>
<td>ONLINE</td>
<td>5.0 UNITS</td>
<td></td>
</tr>
<tr>
<td>04531</td>
<td>4:25p-6:55p</td>
<td>M W</td>
<td>Paniagua P</td>
<td>ONLINE</td>
<td>5.0 UNITS</td>
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<tr>
<td>04517</td>
<td>4:25p-6:55p</td>
<td>M</td>
<td>Guerrero-Phlaum M</td>
<td>HYBRID</td>
<td>5.0 UNITS</td>
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<tr>
<td>04528</td>
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<td>Quintero E</td>
<td>ONLINE</td>
<td>5.0 UNITS</td>
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<tr>
<td>05317</td>
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<td></td>
<td>Guerrero-Phlaum M</td>
<td>ONLINE</td>
<td>5.0 UNITS</td>
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HYBRID 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 04526
4:25p-6:55p M
Staff
ZOOM
Guerrero-Phlaum M
HYBRID
FULL Semester
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 Mondays, 2/7, 3/7, 4/11, 5/2, and 5/23 from 4:25-6:55 p.m. This class requires the text "Puntos de partida" with the electronic code for online lab materials.

SPAN 195A, ADVANCED CONVERSATIONAL SPANISH 3.0 UNITS
Further development of conversational skills. Review of language structures as well as reinforcement of new vocabulary and idioms through discussions of reading selections dealing with historical and current events to deepen appreciation of Hispanic cultures.
Prerequisite: Spanish 102 or 102H with a minimum grade of C.

C 04533
10:05a-1:05p Sa
Valle M
D-302
FULL Semester
SPAN 195B, ADVANCED CONVERSATIONAL SPANISH 3.0 UNITS
Continuation of development of conversational skills. Provides avenues for the expression of ideas introduced in literary and current event readings through discussions and class presentations to deepen appreciation of Hispanic cultures.
Prerequisite: Spanish 195A with a minimum grade of C.

C 04536
10:05a-1:05p Sa
Valle M
D-302
FULL Semester
SPAN 201, INTERMEDIATE SPANISH I 5.0 UNITS
A college level Spanish class focusing on expansive review of usage and grammar, discussions of interpretive readings, conversation, and composition.
Prerequisite: Spanish 102 or 102H or three years of high school Spanish with a grade of C. These prerequisites are also required in Cal State and UC Spanish universities.

C 04537
4:25p-6:55p Tu Th
Bendz G
D-302
FULL Semester
SPAN 201H, HONORS INTERMEDIATE SPANISH I 5.0 UNITS
An enriched exposure of Hispanic history, culture, and literature in a seminar setting. In-depth analysis of grammatical structures. Further use of argumentative oral strategies. Enhanced development of conversation and composition. Independent research by students to use/evaluate library and electronic information sources.
Prerequisite: Spanish 102/102H with a minimum grade of C and a high school or college GPA of 3.0 or above. All four year public universities, Cal State and University of California Spanish Programs require the same prerequisites for Intermediate Spanish level course.

C 04538
4:25p-6:55p Tu Th
Bendz G
D-302
FULL Semester
SPAN 202, INTERMEDIATE SPANISH II 5.0 UNITS
A college-level Spanish class focusing on expansive review of usage and grammar; discussions in Spanish of interpretive reading materials; conversation and composition.
Prerequisite: Spanish 201/201H or four years of high school Spanish with a minimum grade of C. All Cal State and UC Spanish programs have the same requirements listed at Santa Ana College.

C 04540
4:25p-6:55p Tu Th
Calderon A
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.

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.
Prerequisite: Speech-Language Pathology Assistant 160 with a minimum grade of C.

Strategies used to treat acquired disorders such as adult aphasia, dysarthria, and hearing loss. Speech, language, and hearing disorders experienced by the adult and geriatric populations. Assessment tools and treatment

SLPA 200, ADULT AND GERIATRIC COMMUNICATION DISORDERS 3.0 UNITS

Speech, language, and hearing disorders experienced by the adult and geriatric populations. Assessment tools and treatment strategies used to treat acquired disorders such as adult aphasia, dysarthria, and hearing loss. Prerequisite: Speech-Language Pathology Assistant 160 with a minimum grade of C.

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.

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.
SLPA 250, SPEECH-LANGUAGE PATHOLOGY ASSISTANT CLINICAL FIELDWORK II  
2.0 UNITS
Advanced application of clinical practice procedures in a clinical or educational setting by the speech-language pathology assistant 
under the supervision of a speech-language pathologist. 
Prerequisite: Speech-Language Pathology Assistant 180 and Speech-Language Pathology Assistant 190 with a minimum 
grade of C and Application to Department Coordinator required semester prior to enrollment; current negative TB 
clearance, current CPR and First Aid Certification; fingerprinting and background check may be required.

**STUDY SKILLS (STDY)**

STDY 101, COLLEGE STUDY SKILLS  
1.0 UNIT
A course designed to teach effective college study skills while also helping students create positive academic and lifelong learning 
habits. Topics include time management, exam preparation, lecture notetaking, memorization, test taking strategies, stress 
management, and exam preparation.

**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.

**STUDY SKILLS (STDY)**

**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.

**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

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

SANTA ANA COLLEGE – SPRING 2022

ONLINE:

FULLY ONLINE LIVE:

HYBRID:

VIRTUAL HYBRID:

ON CAMPUS W/VIRTUAL:

ON CAMPUS:

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 at live theatre required.

THEA 105, THEATRE HISTORY 1 3.0 UNITS
The study of the history of theatre from the origins of theatre through the 17th Century. The history and development of theatre and drama are studied in relationship to cultural, political and social conditions of the time. Plays are read for analysis of structure, plot, character and historical relevance.

THEA 110, ACTING FUNDAMENTALS 3.0 UNITS
A study of acting involving the development of acting techniques, styles, and disciplines. Provides theory and practical experience with varied characterizations. Emphasizes individual growth and acquired skills necessary to the acting craft.

THEA 113, ACTING FOR THE CAMERA 3.0 UNITS
Techniques and disciplines of acting as applied to film and television production. Opportunity to practice and perform with emphasis on developing talents and skills required in acting for the screen.

THEA 118, FUNDAMENTALS OF SCENE STUDY 2.0 UNITS
A continued study for the beginning actor in the preparation and presentation of scenes from modern comedies, the plays of William Shakespeare, and plays from influential playwrights such as Anton Chekov and Henrik Ibsen. Students prepare scenes with partners for performance and critique.

THEA 100, INTRODUCTION TO THEATRE

THEA 105, THEATRE HISTORY 1

THEA 110, ACTING FUNDAMENTALS

THEA 113, ACTING FOR THE CAMERA

THEA 118, FUNDAMENTALS OF SCENE STUDY

ONLINE:

FULLY ONLINE LIVE:

HYBRID:

VIRTUAL HYBRID:

ON CAMPUS W/VIRTUAL:

ON CAMPUS:
THEA 120, MUSICAL THEATRE HISTORY 3.0 UNITS
This course explores the history of the uniquely American art form that is Musical Theatre from its early development in the colonial period to the present time. Emphasis will be placed on the chronological examination of various musical theatre productions. Students will learn how the composers, librettists, lyricists, choreographers, directors, and designers contributed to the formation and the popularity of musical theatre as it exists today.

07829  Cannon C ONLINE Full Semester
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.

THEA 131, STAGECRAFT 3.0 UNITS
An introduction to technical theatre and the creation of scenic elements. Includes basic concepts of design, painting techniques, set construction, set movement, prop construction, backstage organization, and stage management.

C 07506  9:05a-10:30a M W Mittler W P-100 Full Semester
10:30a-11:00a M W Mittler W P-100
There is no additional textbook cost for this ZTC class.

THEA 132, STAGE MAKEUP 3.0 UNITS
Basic techniques and artistry of stage makeup and its relation to the total production. Covers history, aesthetics and design theory, color theory, materials, and application procedures for varied characterizations. Practical application of learned skills are applied to departmental productions.

C 07831  9:05a-9:55a Tu Th Kraemer B P-108 Full Semester
10:05a-11:30a Tu Th Ho J P-106
There is no additional textbook cost for this ZTC class.

THEA 133, LIGHTING FUNDAMENTALS 3.0 UNITS
Theory and practices of lighting including control systems and instruments as well as the techniques for proper installation, operation, maintenance, and safety.

C 07513  9:05a-9:55a M W Mittler W P-108 Full Semester
10:05a-11:30a M W Mittler W P-100
There is no additional textbook cost for this ZTC class.

THEA 135, TECHNICAL PRODUCTION 1.0 UNIT
Supervised instruction and practical experience in backstage production responsibilities including any of the following: stage management, scenery construction and movement, properties, costume, lighting, sound, and running crews.

C 07858  Turner S P-105 Full Semester
54 hours arranged per semester. There is no additional textbook cost for this ZTC class.

THEA 136, FUNDAMENTALS OF COSTUME DESIGN 3.0 UNITS
The study of costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated.

C 07833  9:05a-10:30a Tu Th Kraemer B P-108 Full Semester
10:30a-11:00a Tu Th Ho J P-106
There is no additional textbook cost for this ZTC class.

THEA 150A, REHEARSAL AND PERFORMANCE IN PRODUCTION 2.0 UNITS
Practical experience in performance production culminating in a series of public performances. All actors must audition and be cast prior to enrolling.

C 07837  Mittler W P-100 Full Semester
88 hours arranged per semester. There is no additional textbook cost for this ZTC class.

THEA 150B, TECHNICAL THEATRE IN PRODUCTION 2.0 UNITS
Students will gain practical experience in the application of production responsibilities in any of the following: stage management, scenery construction, properties, costuming, lighting, and sound. This course culminates into a series of public performances. All student technicians must obtain instructor approval prior to enrolling.

C 07839  Turner S P-100 Full Semester
88 hours arranged per semester. There is no additional textbook cost for this ZTC class.
THEA 152, TOUR ENSEMBLE 3.0 UNITS
An introduction to theatre performance emphasizing acting techniques as applied to performing a role in multiple venues.
C 07846 Turner S P-105 Full Semester
90 hours arranged per semester. There is no additional textbook cost for this ZTC class.

THEA 153, INTRODUCTION TO DIRECTING 2.0 UNITS
The study and application of directing theory, process, and technique which will culminate in a student-directed project production for public performance. Included are the fundamentals of script analysis, designer collaboration, character development, staging, actor coaching, and presenting.
C 07505 2:20p-3:45p Tu Th Chamberlain A P-105 Full Semester
3:45p-4:15p Tu Th Chamberlain A P-105
There is no additional textbook cost for this ZTC class.

THEA 161, TOUR ENSEMBLE II 3.0 UNITS
Continued study in theatre performance emphasizing acting techniques as applied to performing a role in a touring company. Students perfect the process of presenting a role in multiple venues.
Prerequisite: Theatre Arts 152 with a minimum grade of C.
C 07849 Turner S P-105 Full Semester
90 hours arranged per semester. There is no additional textbook cost for this ZTC class.

THEA 162, TOUR ENSEMBLE III 3.0 UNITS
Provides the continuing theatre performance student opportunity to concentrate on more advanced acting methods and development of technique in playscripts for a touring ensemble. Emphasizes the development of the individual actor's performance style connecting the voice and body with the emotional life of a character.
Prerequisite: Theatre Arts 161 with a minimum grade of C.
C 07853 Turner S P-105 Full Semester
90 hours arranged per semester. There is no additional textbook cost for this ZTC class.

THEA 163, TOUR ENSEMBLE IV 3.0 UNITS
Continuing study of acting technique including more complicated methodology and advanced script material focusing on touring ensembles. Emphasizes the combination of the individual actor's performance style with the demands of the professional touring arena.
Prerequisite: Theatre Arts 162 with a minimum grade of C.
C 07855 Turner S P-105 Full Semester
90 hours arranged per semester. There is no additional textbook cost for this ZTC class.

THEA 169, COOPERATIVE WORK EXPERIENCE- ENTERTAINMENT 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 entertainment industry 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
08599 Kraemer B Full Semester

THEA 250, ADVANCED THEATRE PRODUCTION 2.0 UNITS
Practical experience performing an advanced level role in a series of public performances.
Prerequisite: Theatre Arts 150A with a minimum grade of C.
C 07842 Mittler W P-100 Full Semester
88 hours arranged per semester. There is no additional textbook cost for this ZTC class.

THEA 255, MOTION PICTURE PERFORMANCE PRODUCTION 3.0 UNITS
Practical experience in performance production culminating in a fully produced feature film screened to the public. The final movie presentation becomes the basis for developing an actor reel. Students desiring an acting role must audition.
C 07861 Cannon C P-105 Full Semester
126 hours arranged per semester. There is no additional textbook cost for this ZTC class.
THEA 256, INTERMEDIATE MOTION PICTURE PERFORMANCE PRODUCTION  
3.0 UNITS
Intermediate level practical experience in production culminating in a fully produced feature film screened to the public. The final movie presentation becomes the basis for developing an actor reel. Students desiring an acting role must audition.
Prerequisite: Theatre Arts 255 with minimum grade of C.
C 07862 Cannon C P-105 Full Semester 126 hours arranged per semester. There is no additional textbook cost for this ZTC class.

THEA 257, MOTION PICTURE PERFORMANCE PRODUCTION III  
3.0 UNITS
Provides the continuing performance student opportunity to concentrate on more advanced acting methods and development of technique. Emphasizes the development of the individual actor's performance style connecting the emotional life of a character to technical delivery on-screen.
Prerequisite: Theatre Arts 256 with a minimum grade of C.
C 07863 Cannon C P-105 Full Semester 126 hours arranged per semester. There is no additional textbook cost for this ZTC class.

THEA 258, MOTION PICTURE PERFORMANCE PRODUCTION IV  
3.0 UNITS
Continuing study of on-camera acting technique including more complicated methodology and advanced script material. Emphasizes the combination of the individual actor's performance style with the demands of working on a professional set.
Prerequisite: Theatre Arts 257 with a minimum grade of C.
C 07864 Cannon C P-105 Full Semester 126 hours arranged per semester. There is no additional textbook cost for this ZTC class.

VIETNAMESE (VIET)

VIET 101, ELEMENTARY VIETNAMESE I  
5.0 UNITS
A college level Vietnamese class focusing on pronunciation and grammar, basic vocabulary, common idioms, listening, speaking, reading, and writing techniques to provide avenues for the expression of ideas orally and in writing. Introduction to Vietnamese culture. Some sections designated for native Vietnamese speakers. Vietnamese 101 is equivalent to two years of high school Vietnamese.
04560 10:05a-12:35p Tu Th Nguyen N D-303 Full Semester
04553 7:35p-10:05p F Tran T D-303 Full Semester
10:05a-12:35p Sa Staff D-303

VIET 102, ELEMENTARY VIETNAMESE II  
5.0 UNITS
A college level Vietnamese course focusing on further training in pronunciation and grammar, more extensive vocabulary development, conversation, and composition. Supplementary cultural readings. Vietnamese 102 is equivalent to the third year of high school Vietnamese.
Prerequisite: Vietnamese 101 with a minimum grade of C.
04562 1:15p-3:45p Tu Th Nguyen N D-304 Full Semester

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).
C 08015 8:00a-8:50a F Kirby B K-115 Full Semester
9:10a-4:10p F Kirby B K-115
This class meets on-campus.
H 08013 8:00a-11:10a M W Gonzales G HYBRID Full Semester
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

ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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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.
WELD 125, INTERMEDIATE ELECTRIC ARC WELDING 3.0 UNITS
This is an intermediate course designed for students who want to progress in their welding skills through the application of Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Oxy-fuel Cutting. The course will emphasize proficiency in welding in the flat, horizontal, and vertical positions. Continuing emphasis on safety, theory, and practical skill development.
Recommended Preparation: Welding 101

H 08033  Diamond Z  HYBRID  Full Semester
6:00p-9:10p  M W
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 181, PIPE WELDING FUNDAMENTALS 3.0 UNITS
This course is an introduction class to pipe welding with the Shielded Metal Arc Welding (SMAW) process. Students will focus on safety, theory, preparation, and welding. Emphasis will be placed on welding in the flat (1G) and horizontal (2G) positions using various size pipe with E6010 and E7018 electrodes.
Recommended Preparation: Welding 101 with a minimum grade of C.

H 08034  Diamond Z  HYBRID  Full Semester
8:00a-11:10a  Tu Th
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 182, INTERMEDIATE PIPE WELDING 3.0 UNITS
This course is an intermediate class in pipe welding. Students will focus on safety, theory, pipe preparation, and welding. Emphasis will be placed on welding in the fixed horizontal (5G) and fixed 45 degree (6G) positions on various size pipe, using the Shielded Metal Arc Welding (SMAW) process with E6010 and E7018 electrodes.
Recommended Preparation: Welding 181 with a minimum grade of C.

H 08036  Diamond Z  HYBRID  Full Semester
8:00a-11:10a  Tu Th
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 225, ADVANCED ELECTRIC ARC WELDING 3.0 UNITS
This is an advanced course designed to improve and master the student’s previously acquired welding skills in Shielded Metal Arc Welding (SMAW), Flux Cored Arc Welding (FCAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Oxy-fuel Cutting. The course will emphasize proficiency of welding in the vertical and overhead positions with continued emphasis on safety, theory, and practical skill development.
Recommended Preparation: Welding 240 with a minimum grade of C.

H 08040  Gonzales G  HYBRID  Full Semester
1:00p-4:10p  Tu Th
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 232, ADVANCED GAS TUNGSTEN ARC WELDING 3.0 UNITS
This is an advanced welding course using the Gas Tungsten Arc Welding (GTAW) process. This course is intended to challenge the students with welding out of position on various alloys. The students will weld in the horizontal (2F/G), vertical (3F/G), and overhead (4F/G) welding positions on plate and pipe. This class is designed to prepare students for the certification tests in structural, pipe, and aerospace industries.
Recommended Preparation: Welding 240 with a minimum grade of C.

H 08041  Diamond Z  HYBRID  Full Semester
1:00p-4:10p  M W
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

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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
WELD 240, STRUCTURAL WELDING SMAW/FCAW 3.0 UNITS
This is an advanced course designed to provide students with specialized instruction in preparation for the Los Angeles Department of Building and Safety (LADBS) welder performance examination and/or the welder performance examination in accordance with the American Welding Society (AWS) D1.1 Structural Steel Code. Simulated examination plates will be issued to students, who will have to complete them in vertical (3G) and overhead (4G) positions, in order to evaluate their progress. Upon completion of the class, students should be prepared to schedule, take, and pass the welder performance examination for structural steel welding (AWS: D1.1).
Recommended Preparation: Welding 225 with a minimum grade of C.

H 08048 Gonzales G HYBRID Full Semester
6:00p-9:10p Tu Th Gonzales G 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 282, ADVANCED PIPE WELDING 3.0 UNITS
This advanced course prepares students to pass their inclined (6G) certification test. Students will use AWS and American Petroleum Institute (API) standard 1104 procedures. Emphasis will be on open root groove welds on pipe using the Shielded Metal Arc Welding (SMAW). Students will use E6010 and E7018 electrodes along with Gas Tungsten Arc Welding (GTAW).
Recommended Preparation: Welding 182 with a minimum grade of C.

H 08038 Diamond Z HYBRID Full Semester
8:00a-11:10a Tu 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

WOMEN'S STUDIES (WMNS) 3.0 UNITS
A multicultural survey of social trends, issues, opportunities, and topics of special interest to women. Discussion includes sex, sex role stereotyping, family problems, work, law, gender equity, physical and mental health, feminism, rape, and women in arts, sciences, history, and business.

OL 05180 Boles K ONLINE Full Semester
11:40a-1:05p Tu Th Staff ZOOM
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.

OL 05181 Boles K ONLINE Full Semester
6:00p-9:10p Th Staff ZOOM
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.
The Rancho Santiago Community College District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

The Chancellor shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in accordance with the Title 5 and Title IX regulations and those of other agencies that administer state and federal laws regarding nondiscrimination.

No District funds shall ever be used for membership, or for any participation involving financial payment or contribution on behalf of the District or any individual employed by or associated with it, to any private organization whose membership practices are discriminatory on the basis of national origin, religion, age, gender, gender identity, gender expression, race, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or because of his or her association with a person or group with one or more of these actual or perceived characteristics. Inquiries regarding compliance and/or grievance procedures may be directed to District's Title IX Coordinator and/or Section 504/ADA Coordinator.

El Distrito está comprometido a ofrecer la igualdad en oportunidades para programas educativos, empleos, y a todo acceso a los programas institucionales y actividades.

El Distrito, y cada persona que representa al Distrito, debe proveer acceso a sus servicios, clases y programas sin importar el lugar de nacimiento, religión, edad, sexo, identidad de género, expresión del género, raza o etnicidad, color, condición médica, información de genética, descendencia familiar, orientación sexual, estado civil, incapacidad física o mental, embarazo, categoría militar o de veterano, o por creer que él o ella tiene una o más de las características mencionadas, o en base a estar relacionado con una persona o grupo que se cree tenga algunas de estas características.

El Canciller debe establecer procedimientos administrativos para asegurarse que todos los miembros de la comunidad del colegio puedan presentar quejas sobre supuestas violaciones a esta política y que sus quejas sean escuchadas de acuerdo a los reglamentos señalados en el Título 5 y por aquellos de otras agencias que administran las leyes estatales y federales sobre la no discriminación.

Ningún fondo del Distrito debe ser utilizado para la membrecía, o para la participación incluyendo pagos financieros o contribuciones hechas a organizaciones privadas de parte del Distrito o de cualquier individuo empleado por el Distrito o con asociación, cuyas prácticas de membrecía son discriminatorias en base a lugar de nacimiento, religión, edad, sexo, identidad de género, expresión del género, raza, color, condición médica, información de genética, descendencia familiar, orientación sexual, estado civil, incapacidad física o mental, embarazo, categoría militar o de veterano, o por creer que él o ella tiene una o más de las características mencionadas, o en base a estar relacionado con una persona o grupo que se cree tenga algunas de estas características. Las consultas relacionadas con los procedimientos de cumplimiento y/o queja pueden dirigirse al Coordinador del Título IX del Distrito y/o al Coordinador de la Sección 504/ADA.

Rancho Santiago Community College District cam kết cởi hội bình đẳng trong các chương trình giáo dục, việc làm, và tất cả các quyền truy cập vào các chương trình và các hoạt động tổ chức. Học khu, và mỗi cá nhân đại diện cho học khu, sẽ cung cấp quyền truy cập vào các dịch vụ, các ldp và chương trình của mình mà không liên quan đến nguồn gốc quốc gia, tôn giáo, tuồi tác, giới tính, bản sắc giới tính, biểu hiện giới tính, chồng tổ chức hoặc dân tộc, mâu da, tình trạng y tế, thông tin di truyền, tính tien, khuynh hướng tính dục, tính trạng hôn nhân, Khuyết tật và thể chất hoặc tính
thân, mang thai, hoặc quá đ d và tính trạng của bệnh, hoặc vi người đó được coi là có một hoặc nhiều đặc điểm trên thực tế. Hiệu trưởng sẽ thiết lập thủ tục hành chính đảm bảo tất cả các thành viên của cộng đồng đại học có thể trình bày các khao nai liên quan đến các vi phạm bộ quy của chính sách này và mọi nai của họ được nghe theo quy định của tiểu đề 5 và Tiểu đề IX và các cơ quan khác quản lý luật bang và liên bang về không phân biệt đối xử. Không bao giờ được sử dụng cho các thành viên, hoặc cho bất kỳ sự tham gia liên quan đến thân hơn tài chính hoặc động góp hay một cách quan hoắc bất kỳ cả nhân làm việc hoặc liên kết với nó, cho bất kỳ tổ chức riêng tư có thực hành thân này là phân biệt đối xử trên cơ sở nguồn gốc, quốc gia, tôn giáo, tuý tác, giới tính, biểu hiện giới tính, chủng tộc, màu da, điều kiện y tế, thông tin di truyền, tổ tiên, Khuyết tật về thể chất hoặc tinh thần, mang thai, hoặc quá đ d và tính trạng của bệnh, hoặc vi người đó được coi là có một hoặc nhiều đặc điểm nói trên, hoặc vi sự liên kết của mình với Các yếu cầu liên quan đến các thủ tục tư nhân và/ hoặc khiếu kiện có thể được chuyển đến điều phối viên tiểu đề IX của học khu và/hoặc điều phối viên tiểu đề 504/ADA.

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1. An understanding of our democratic tradition and its methods.
2. A concern for the welfare, growth, maturity, and development of students.
3. The method of scholarship.
4. Application of good taste and judgment in selecting and employing materials and methods of instruction.

(BP4201 Faculty)

SANTA ANA COLLEGE RATES OF STUDENT PROGRESS STUDENT RIGHT-TO-KNOW ACT

The rates below are placed here in accordance with the federally mandated Student Right–to–Know Act.

Student Right–to–Know Rates for Fall 2014 Cohort

Completion Rate: 29.08%
Transfer Rate: 6.46 %

In compliance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), it is the policy of our college district to make available its completion and transfer rates to all current and prospective students. Beginning in Fall 2014, a cohort of all certificate-, degree-, and transfer-seeking first-time, full-time students were tracked over a six year period. Their completion and transfer rates are listed above. These rates do not represent the success rates of the entire student population at the College nor do they account for student outcomes occurring after this six year tracking period.

Based upon the cohort defined above, a Completer is a student who attained a certificate or degree or became ‘transfer prepared’ during a six year period, from Fall 2014 to Spring 2020. Students who have completed 60 transferable units with a GPA of 2.0 or better are considered ‘transfer prepared’. Students who transferred to another post-secondary institution, prior to attaining a degree, certificate, or becoming ‘transfer prepared’ during a eleven semester period, from Spring 2015 to Spring 2020, are transfer students.

STUDENT CONSUMER INFORMATION RIGHT-TO-KNOW DISCLOSURE INFORMATION

Federal regulations require all campuses to provide specified information to prospective and current students, staff and the general public. Listed below are those items that must be available for review per federal regulation.

The federal Higher Education Act, the federal Equity in Athletics Disclosure Act (EADA), and regulatory guidance provided in the Code of Federal Regulations (CFR) require direct individual notices of prescribed information to certain target audiences including prospective students; currently enrolled students; current employees; parents, coaches and counselors of prospective student athletes; and the general public. Disclosures are to include crime/security statistics, student completion/graduation rates, FERPA privacy/security rights, financial aid program information, and gender-specific information on athletic participation and financial support.

FAMILY EDUCATION RIGHTS AND PRIVACY

As required under the provisions of the Family Education Rights and Privacy Act of 1974, the Rancho Santiago Community College District will make public without student consent only certain directory information. This information consists of the following: a student’s name; city of residence; major field; participation in officially recognized activities and sports; weight, height, and age if a member of an athletic team; dates of attendance; degree and awards received; and the most recent previous educational institution or agency attended by the student.

A student may request the Admissions and Records Office to withhold this information. Such request must be in writing and submitted each semester.
The Family Education Rights and Privacy Act of 1974 provides colleges the right to consent to disclose personally identifiable information contained in the student’s education records to third party vendors who are identified as School Officials and who have legitimate educational interests. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his/her professional responsibility.

A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including district safety personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees, or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his/her tasks.

Santa Ana College contracts with the following School Officials:

- Auditors (Vicenti-Lloyd-Stutzman)
- CCCApply (Unicon)
- Credentials (Online transcript request)
- ECS Imaging (optical imaging)
- Ellucian Colleague
- Image Now (optical imaging)
- Medpro and Quest (Health Center)
- National Student Clearinghouse
- SARS (Counseling Center)
- Xerox

**SEXUAL HARASSMENT, SEXUAL MISCONDUCT INTIMATE PARTNER VIOLENCE, AND STALKING**

Various federal and state law imposes obligations for the District to addresses and prohibit acts of sexual harassment, sexual misconduct, stalking, or domestic violence and dating violence (“intimate partner violence) and stalking. Any sexual misconduct or physical abuse as defined by California state and federal law, whether committed by an employee, student, or member of the public, that occurs on or off district property is a may be violation of district policies and procedures, and is subject to all applicable punishment, including criminal procedures, civil litigation and employee or student discipline procedures. Students may face discipline at the District, up to and including suspension or expulsion. Employees may face sanctions up to and including dismissal from employment, pursuant to established policies and provisions of applicable collective bargaining unit agreements. Students, faculty, and staff who report sexual harassment, sexual misconduct, intimate partner violence, or stalking (“prohibited conduct”) shall be treated with dignity and provided comprehensive assistance.

The district encourages Complainants (those individuals reporting incidents of prohibited conduct) of sexual misconduct, intimate partner violence or stalking to talk to someone about what happened - so they can get the support they need, and so the District can respond appropriately. The District has established administrative procedures that ensure that students, faculty, and staff who are directly impacted by prohibited conduct receive appropriate information and treatment, and that educational information about preventing sexual violence is provided and publicized as required by law (please see Administrative Regulation 3540 and Interim Administrative Regulation 3425 for complete procedures).

Under California law, any health practitioner employed in a health facility, clinic, physician’s office, or local or state public health department or clinic is required to make a report to local law enforcement if they provide medical services for a physical condition to a patient/Complainant who they know or reasonably suspects is suffering from (1) a wound or physical injury inflicted by a firearm; or (2) any wound or other physical injury inflicted upon a Complainant where the injury is the result of assaultive or abusive conduct (including sexual misconduct, domestic violence, and dating violence). This exception does not apply to sexual assault and domestic violence counselors and advocates. Health care practitioners should explain this limited exception to Complainants, if applicable.

Additionally, under California law, physicians, psychotherapists, professional counselors, licensed clinical social workers, clergy, and sexual assault and domestic violence counselors and advocates are mandatory child abuse and neglect reporters, and are required to report incidents involving Complainants under 18 years of age to local law enforcement. These professionals will explain this limited exception to Complainants, if applicable. Finally, some or all of these professionals may also have reporting obligations under California law to (1) local law enforcement in cases involving threats of immediate or imminent harm to self or others where disclosure of the information is necessary to prevent the threatened danger; (2) to the court if compelled by court order or subpoena in a criminal proceeding related to the sexual violence incident. If applicable, these professionals will explain this limited exception to Complainants.

The use of alcohol or drugs never makes the Complainant at fault for reports of misconduct, intimate partner violence or stalking; therefore, Complainants should not be deterred from reporting incidents out of a concern that they might be disciplined for related violations of drug or alcohol policies. Except in extreme circumstances, Complainants shall not be subject to discipline for related violations of the Standards of Student Conduct. Santa Ana College has the resources to assist and refer students who experienced sexual misconduct, dating or domestic violence, and stalking.
Immediate care and confidential counseling can be provided by the Health and Wellness Center, in The Village, VL-211 or call (714) 564-6216. When the Health and Wellness Center is closed, contact Campus Safety and Security (not a confidential resource) directly in the X building or call (714) 628-6330. If you have questions regarding an allegation, specific behavior or if you would like to discuss a concern with an administrator, please contact a member of the Title IX team below.

Jennifer De La Rosa, Title IX Coordinator
Rancho Santiago Community College District
2323 N. Broadway, Santa Ana, California 92706-1640
Email: TitleIX@rsccd.edu
Phone: 714-480-7404
Web: www.rsccd.edu/titleix

Dr. Brenda Estrada, Deputy Title IX Coordinator
Santa Ana College
1530 W 17th, Santa Ana, CA. 92706
Email: estrada_brenda@sac.edu
Phone: 714-564-6212

Any individual can submit a report by using the following link:
www.rsccd.edu/incidentreportingform

Applicable regulations, resources, and additional information can be found at www.rsccd.edu/titleix or www.rsccd.edu/civil rights

Additional off-campus resources can be found below:
Waymakers: 949-831-9110
www.waymakers.org

Human Options: 1-877-854-3594
humanoptions.org

Supporting Survivors: 714-517-6100
ochealthinfo.com/bhs/services/support/ss

Laura’s House: 866-498-1511
laurashouse.org

National Suicide Prevention Lifeline: 1-800-273-8255
suicidepreventionlifeline.org

Rape, Abuse & Incest National Network: 1-800-656-HOPE
hotline.rainn.org/online

Individuals may report to the Title IX Team, who will provide written and verbal information regarding applicable District complaint procedures for investigating and addressing the incident. The Title IX Team will also provide information regarding resources available to Complainants, as well as information regarding their rights and options. Furthermore, making a report means telling a responsible employee what happened—in person, by telephone, in writing, or by email. At the time a report is made, a reporting party does not have to request any particular course of action, nor does a reporting party need to know how to label what happened. Choosing to make a report, and deciding how to proceed after making the report, can be a process that unfolds over time.

Many resources and options are available on and off campus including confidential and privileged communication options.

The Title IX Team is available to explain and discuss rights to file a criminal complaint and to assist in doing so; the District’s relevant complaint process, and rights to receive assistance with that process, including the investigation and hearing process; how confidentiality is handled; available resources, both on and off campus; and other related matters. When an individual tells the Title IX Team or another non-confidential District employee about a sexual misconduct, dating violence, domestic violence, or stalking incident, or prohibited conduct, the Complainant has the right to expect the District to take immediate and appropriate steps to investigate what happened and to resolve the matter promptly and equitably. In all cases, the District strongly encourages Complainants to report prohibited conduct directly to the Title IX Team.

To the extent possible, information reported to District employees will be kept private and shared only with individuals responsible for handling the District’s response to the incident. The District will protect the privacy of individuals involved in a prohibited conduct incident except as otherwise required by law or District policy as required by state or federal law. A prohibited conduct report may result in the gathering of extremely sensitive information about individuals in the campus community. If a Complainant requests of the Title IX Team or another District employee that their identity remain completely confidential, the Title IX Team will explain that the District cannot always honor that request and guarantee complete confidentiality. If a Complainant wishes to remain confidential or request that no investigation be conducted or disciplinary action taken, the District must weigh that request against the District’s obligation to provide a safe, non-discriminatory environment for all students, employees and third parties, including the victim. Under those circumstances, the Title IX Coordinator will determine whether the victim’s request for complete confidentiality and/or no investigation can be honored under the facts and circumstances of the particular
case, including whether the District has a legal obligation to report the incident, conduct an investigation or take other appropriate steps. Without information about a Complainant’s identity, the District’s ability to meaningfully investigate the incident and pursue disciplinary action against the perpetrator may be severely limited. The Title IX Team will inform the Complainant of the initiation of an investigation prior to starting an investigation and will, to the extent possible, only share information with people responsible for handling the District’s response to the incident. The Title IX Team will remain mindful of the Complainant’s well-being, and will take ongoing steps to protect the Complainant from retaliation or harm, and work with the Complainant to create a safety plan. Retaliation against the victim, whether by students, employees or third parties, will not be tolerated. The District and Title IX Team will also:

- Provide interim remedies requested by the Complainant, if they are reasonable, regardless of whether the Complainant chooses to report to campus or local police;
- Assist both Parties in accessing available advocacy, academic support, counseling, disability, medical/health or mental health services, and legal assistance both on and off campus;
- Provide security and support for both Parties, which could include issuing a no-contact order, helping arrange a change of campus-based working arrangements or course schedules or adjustments for assignments, tests, or work duties; and

Inform Complainants of their right to report a crime to District or local police – and provide Complainants with assistance if desired.

The District will not require a Complainant to participate in any investigation or disciplinary proceeding if the Complainant does not wish to participate. The District will not generally notify parents or legal guardians of a sexual misconduct, dating violence, domestic violence, or stalking report unless the Complainant is under 18 years old or the Complainant provides the District with written permission to do so. Under California law, and pursuant to District policy, many District employees, including the Title IX Coordinator, are mandatory child abuse and neglect reporters and should explain to Complainants under 18 years of age that they are required to report the incident to the police. However, the identity of the person who reports and the report itself are confidential and disclosed only among appropriate agencies.

HARASSMENT AND DISCRIMINATION

Board Policy 3430 (BP 3430) and Interim Administrative Regulation 3425 prohibits all forms of harassment that are contrary to basic standards of conduct between individuals and are prohibited by state and federal law, as well as this policy, and will not be tolerated. Administrative Regulation 3435 details the procedures for the resolution of such complaints (rscdd.edu/bpar). This policy is widely published and publicized to all employees and students, including incoming employees and students. The District is committed to providing an academic and work environment that respects the dignity of individuals and groups. The District shall be free of sexual harassment and all forms of sexual intimidation and exploitation, including acts of sexual misconduct, dating or domestic violence, and stalking. The District shall also be free of other unlawful harassment or discrimination, including that which is based on any of the following statuses: race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, or sexual orientation of any person, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics. The Title IX Coordinator is responsible for resolving reports of sexual misconduct, sex or gender-based discrimination or harassment, dating or domestic violence, and stalking. To report an incident or file a complaint, please contact:

Jennifer De La Rosa
Title IX Coordinator
Rancho Santiago Community College District
2323 N. Broadway, Santa Ana, California 92706-1640
Email: TitleIX@rscdd.edu
Phone: 714-480-7404
Web: www.rscdd.edu/titleix

Dr. Brenda Estrada
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1530 W 17th, Santa Ana, CA. 92706
Email: estrada_brenda@sac.edu
Phone: 714-564-6212

All students, staff and faculty may elect to follow formal complaint procedures. Formal complaints of unlawful discrimination or harassment must be filed in writing on a form prescribed by the State Chancellor. The required form may be found here: www.rscdd.edu/report

Upon receiving a formal written complaint, the District will determine whether the complaint has met the necessary requirements. The District will investigate properly filed complaints according to procedures prescribed in Board policy. The District will complete its investigation within 90 days of receiving the complaint and report its administrative determination. The District must provide written notice to both the complainant and the State Chancellor of whether there is probable cause to sustain the charges raised in the complaint; a description of
alleged sexual harassment and/or retaliation. Supportive measures are non-disciplinary, non-punitive individualized measures to prevent its recurrence, and remedy its effects. The District is required by the federal Clery Act to report certain types of crimes (including certain sex offenses) in statistical reports. However, while the District will report the type of incident in the annual crime statistics report known as the Annual Security Report, Complainant names/identities of incident in the annual crime statistics report known as the Annual Security Report, Complainant names/identities will not be revealed.

**DUTY TO REPORT**

Except for psychologists in the College’s Student Health Center, any District employee who knows of or has reason to know of sexual misconduct, dating or domestic violence, and stalking shall promptly inform a member of the Title IX Team. These employees are considered responsible employees mandated reporters under Title IX and are required to disclose all information, including the names of the parties, even where the person has requested that their name remain confidential. Supervisors are mandated to report all incidents of harassment and retaliation that come to their attention.

The Title IX Coordinator or District Administrator of Title IX and all employees designated as “Officials with Authority” under Title IX will determine whether confidentiality is appropriate given the circumstances of each such incident as the District must then take appropriate steps to eliminate any gender discrimination/harassment/misconduct, prevent its recurrence, and remedy its effects. The District is required by the federal Clery Act to report certain types of crimes (including certain sex offenses) in statistical reports. However, while the District will report the type of incident in the annual crime statistics report known as the Annual Security Report, Complainant names/identities will not be revealed.

BP 3430 and AR 3425 applies to all aspects of the academic environment, including but not limited to classroom conditions, grades, academic standing, employment opportunities, scholarships, recommendations, disciplinary actions, and participation in any community college activity. In addition, this policy applies to all terms and conditions of employment, including but not limited to hiring, placement, promotion, disciplinary action, layoff, recall, transfer, leave of absence, training opportunities and compensation.

**SUPPORTIVE MEASURES**

The District will offer and implement appropriate and reasonable supportive measures to the Parties upon notice of alleged sexual harassment and/or retaliation. Supportive measures are non-disciplinary, non-punitive individualized measures to prevent its recurrence, and remedy its effects. The District is required by the federal Clery Act to report certain types of crimes (including certain sex offenses) in statistical reports. However, while the District will report the type of incident in the annual crime statistics report known as the Annual Security Report, Complainant names/identities will not be revealed.

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services, offered as appropriate, as reasonably available and without fee or charge to the Parties, which are intended to restore or preserve equal access to the District’s education program or activity, to protect the safety of all Parties or the District’s educational environment, and/or deter sexual harassment and/or retaliation.

The Title IX Coordinator will promptly make supportive measures available to the Parties upon receiving notice or a complaint, and will coordinate the effective implementation of such measures. At the time that supportive measures are offered, the District will inform the Complainant, in writing, that they may file a formal complaint with the District either at that time or in the future, if they have not done so already.

The District will maintain the privacy of the supportive measures, provided that privacy does not impair the District’s ability to provide the supportive measures. The District will act to ensure as minimal an academic/occupational impact on the Parties as possible. The District will implement measures in a way that does not unreasonably burden the other party. Supportive measures may include, but are not limited to:

- Counseling and referral to medical and/or other healthcare services
- Referral to the Employee Assistance Program
- Referral to community-based service providers
- Student financial aid counseling
- Altered work arrangements for employees or student-employees
- Safety planning
- Campus safety escorts
- Implementing mutual contact limitations (no contact orders) between the Parties
- Academic support, extensions of deadlines, or other course/program-related adjustments
- Trespass orders
- Class or work schedule modifications, withdrawals, or leaves of absence
- Increased security and monitoring of certain areas of the campus
- Any other actions deemed appropriate by the Title IX Coordinator

Violations of no contact orders will be referred to appropriate student or employee conduct processes for enforcement.

**STUDENT SANCTIONS**

In cases involving Respondents who are students, the hearing process detailed herein shall serve as the due process hearing outlined in Section IV of Board Policy 5500. The following are the usual sanctions that may be imposed upon students or organizations singly or in combination:

- **Warning:** A verbal statement that the conduct was unacceptable and that further violation of any District policy, procedure, or directive will result in more severe sanctions/responsive actions.
- **Reprimand:** A written statement, included in the student’s disciplinary file that the conduct was unacceptable and that further misconduct will result in more severe sanctions /responsive actions.
- **Required Counseling:** A mandate to meet with and engage in either District-sponsored or external counseling to better comprehend the misconduct and its effects.
- **Probation:** Authorization for the Respondent to return to classes, but with an understanding of expected appropriate future behavior and terms that may include denial of specified social privileges, exclusion from co-curricular activities, exclusion from designated areas of campus, no-contact orders, and/or other measures deemed appropriate. Any violations of the Standards of Student Conduct during this probationary period will result in further, more serious disciplinary action against the Respondent.
- **Suspension:** Termination of student status for a definite period of time not to exceed two academic years.
- **Expulsion:** Permanent termination of student status and revocation of rights to be on campus for any reason or to attend District-sponsored events.
- **Withholding Diploma:** The District may withhold a student’s diploma for a specified period of time and/or deny a student participation in commencement activities if the student has an allegation pending or as a sanction if the student is found responsible for an alleged violation.
- **Revocation of Degree:** The District reserves the right to revoke a degree previously awarded from the District for serious violations committed by a student prior to graduation.
- **Student Organizational Sanctions:** Deactivation, loss of recognition, loss of some or all privileges for a specified period of time.
- **Other Actions:** In addition to or in place of the above sanctions, the District may assign any other sanctions as deemed appropriate.
EMPLOYEE SANCTIONS

Responsive actions for an employee who is found to have engaged in Prohibited Conduct, as defined herein include:

- Warning – Verbal or Written
- Performance Improvement Plan
- Enhanced supervision, observation, or review
- Required Counseling
- Required Training or Education
- Demotion
- Transfer
- Reassignment
- Assignment to new supervisor
- Restriction of stipends, research, and/or professional development resources
- Suspension with pay
- Suspension without pay
- Termination
- Other Actions: In addition to or in place of the above sanctions/responsive actions, the District may assign any other responsive actions as deemed appropriate.

DEFINITIONS

The District has adopted the following definitions so as to address the unique environment of an academic community.

**Affirmative Consent** means an affirmative, conscious, and voluntary agreement to engage in sexual activity. It is the responsibility of each person involved in sexual activity to ensure that they have the affirmative consent of the other or others to engage in the sexual activity. Lack of protest or resistance does not mean consent, nor does silence mean consent. Affirmative consent must be ongoing throughout a sexual activity and can be revoked at any time. The existence of a dating relationship between the persons involved, or the fact of past sexual relations between them, should never by itself be assumed to be an indicator of consent. In California, a minor (meaning a person under the age of 18) cannot consent to sexual activity.

It shall not be a valid response to alleged lack of affirmative consent that the Respondent believed that the Complainant consented to the sexual activity under either of the following circumstances:

- The Respondent's belief in affirmative consent arose from the intoxication or recklessness of the Complainant Respondent. Any allegation that alcohol or other drugs were involved in an incident will be reviewed.
- The Respondent did not take reasonable steps, in the circumstances known to the Respondent at the time, to ascertain whether the complainant affirmatively consented.

It shall not be a valid response that the Respondent believed that the Complainant affirmatively consented to the sexual activity if the Respondent knew or reasonably should have known that the Complainant was unable to consent to the sexual activity under any of the following circumstances:

- The Complainant was asleep or unconscious.
- The Complainant was incapacitated due to the influence of drugs, alcohol, or medication, so that the Complainant could not understand the fact, nature, or extent of the sexual activity.
- The Complainant was unable to communicate due to a mental or physical condition.

**Complainant** means an individual who is alleged to be the victim of conduct that could constitute Sexual Harassment, as defined herein, whether the notice/complaint is presented by the individual or someone on the individual's behalf, such as a report by one who learned of the conduct in his or her official capacity as a faculty member or administrator.

**Formal Complaint** means a document submitted or signed by a Complainant or signed by the Title IX Coordinator alleging Prohibited Conduct against a Respondent and requesting that the District investigate the allegation.

**Notice** means that an employee, student, or third-party informs the Title IX Coordinator or other Official with Authority of the alleged occurrence of harassing, discriminatory, and/or retaliatory conduct.

**Official with Authority (OWA)** means an employee of the District explicitly vested with the responsibility to implement corrective measures for sexual harassment and/or retaliation on behalf of the District.

**Prohibited Conduct** means any sexual misconduct, gender or sex-based discrimination or harassment, dating violence, domestic violence, stalking, and retaliation.

Remedies are actions taken to address safety, prevent recurrence of Prohibited Conduct, and restore equal access to the District’s educational program.

**Resolution Process** refers broadly to the process for addressing Formal Complaints either by informal resolution or through a Formal Grievance Process that includes investigation, live hearing, and appeal.

**Respondent** means an individual who has been reported to be the perpetrator of Prohibited Conduct, as defined herein.

Sanction means a consequence imposed by the District on a Respondent who is found to have engaged in Prohibited Conduct under this interim administrative regulation.
**Sexual Harassment** means conduct on the basis of sex that satisfies one or more of the following:

A. **Quid Pro Quo Sexual Harassment**: When an employee of the District conditions (implicitly or explicitly) the provision of an aid, benefit, or service of the District on an individual’s participation in unwelcome sexual conduct; or

B. **Hostile Environment Sexual Harassment**: Unwelcome conduct determined by a reasonable person standing in the shoes of the Complainant to be so severe, pervasive, and objectively offensive that it effectively denies a person equal access to the District’s education program or activity; or

C. **Sexual assault**, **dating violence**, **domestic violence**, or **stalking**, as defined herein.

1. **Sexual assault** means any sexual act (forcible or non-forcible), directed against another person, without the consent of the victim, including instances where the victim is incapable of giving consent. Sexual acts include the following:

   (a) **Rape**, which is defined as the penetration, no matter how slight, of the vagina or anus with any body part or object, or oral penetration by a sex organ of another person, without the consent of the Complainant.

   (b) **Sodomy**, which is defined as oral or anal sexual intercourse with another person, forcibly committed and/or against that person’s will (non-consensually), or not forcibly or against the person’s will in instances in which the Complainant is incapable of giving consent because of age or because of temporary or permanent mental or physical incapacity.

   (c) **Sexual Assault with an Object**, which is defined as the use of an object or instrument to penetrate, however slightly, the genital or anal opening of the body of another person, forcibly and/or against that person’s will (non-consensually), or not forcibly or against the person’s will in instances in which the Complainant is incapable of giving consent because of age or because of temporary or permanent mental or physical incapacity.

   (d) **Fondling**, which is defined as the touching of the private parts of another person for the purposes of sexual gratification, without the consent of the victim, including instances where the victim is incapable of giving consent because of age or because of temporary or permanent mental or physical incapacity.

   (e) **Incest**, which is defined as sexual intercourse between persons who are related to each other within the degrees wherein marriage is prohibited by law.

   (f) **Statutory Rape**, which is defined as sexual intercourse with a person who is under the statutory age of consent.

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

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

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

Students/Students means any as any individual who has accepted an offer of admission, or who is registered or enrolled for credit or non-credit bearing coursework, and who maintains an ongoing relationship with the District.

Third Party means a person other than the Complainant and the Respondent.

Any individual can submit a report by using the following link:

**www.rsccd.edu/report**

Applicable regulations, resources, and additional information can be found at **www.rsccd.edu/titleix** or **www.rsccd.edu/civilrights**

**SMOKING AND TOBACCO USE IN DISTRICT FACILITIES AND VEHICLES**

Smoking is prohibited in all campus areas including all District owned, rented or leased properties and vehicles, except in designated parking lot areas and within 20 feet of entrances, exits, and operable windows.

Smoking is defined as the use of products containing tobacco and/or nicotine, including but not limited to smokeless tobacco, clove cigarettes, or any other smoking products, and any and all electronic or “e-cigarettes”, which are unapproved nicotine delivery devices, unregulated by the FDA.
Public performances in which smoking is an integral and necessary part of the production are excluded from these regulations.

These regulations apply to employees, students, visitors and all other persons who use District owned or rented/leased facilities and vehicles. Failure to comply with these regulations may result in disciplinary action. It is the responsibility of every District employee to comply with these regulations and report violations to District Safety.

These regulations do not supersede more restrictive policies which may be in force under State and Federal regulations. (AR-3570)

**DISABLED STUDENTS POLICY**
The District will make reasonable accommodations for individuals with disabilities. For special assistance with programs and services, contact the Associate Dean of Disabled Students Programs and Services at 714-564-6295.

**OFF-CAMPUS FIELD TRIP 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.

**REGISTERED SEX OFFENDER INFORMATION**
Information concerning registered sex offenders can be obtained from: the Santa Ana Police Department, 3rd Floor Lobby, 60 Civic Center Plaza, Santa Ana, on Mondays through Fridays, from 9am to 12pm and from 1-4pm; and from the Orange Police Department, Youth Services Bureau (Rene Nicholson), 1107 North Batavia Street, Orange by calling 714-744-7311 for an appointment.

Sex offenders are required to register with the police in the jurisdiction in which they reside and at institutions of higher learning if they are students there or if they work there as employees, contractors, or volunteers. Sex offenders who may be required to register should do so at the Santa Ana Police Department if attending Santa Ana College or at the Orange Police Department if attending Santiago Canyon College.

**STUDENT CODE OF CONDUCT**
Students enrolled in Santa Ana College instructional programs assume an obligation to obey state law (California Education Code, California Administrative Code, Title V), district rules (policies of the Board of Trustees), and all civil and criminal codes governing the conduct of students. Please see the current SAC Catalog for specific guidelines for student conduct.

**SANTA ANA COLLEGE IS A DRUG AND ALCOHOL FREE ENVIRONMENT**
Assistance for substance abuse may be obtained from one of the following sources:

- SAC and SCC Student Health Centers, for confidential counseling and referral to local agencies
- Alcoholics Anonymous
- National Drug Hotline 1-800-662-HELP
- Al-Anon / Alateen Family Group Headquarters 1-800-356-9996
- Narc-anon Family Group Headquarters 310-547-5800

Violators may be subject to disciplinary action which could include suspension, expulsion or arrest.

**TRANSPORTATION POLICY**
Some classes may be conducted off campus. Unless you are specifically advised otherwise, you are responsible for arranging your own transportation to and from the class site. Although the District may assist in coordinating the transportation and/or recommend travel times, be advised that the District assumes no liability or responsibility for the transportation, and any person driving a personal vehicle is **NOT** an agent of the District.

**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.

**COLLEGE-CREDIT PROGRAMS**
The Rancho Santiago Community College District offers major college-credit programs in Santa Ana and Orange. Classes offered at Santa Ana College are identified as “SAC.” Santiago Canyon College classes are identified with “SCC.” Please refer to the list of RSCCD facilities for specific class locations at other sites.

**COURSE ARRANGED HOURS**
Students are obligated to carry out hours by arrangement in designated facilities, which are normally available from 8:00 am to 10:00 pm, Monday through Thursday, and from 8:00 am to NOON on Fridays.

**COURSE OPEN ENROLLMENT**
Unless specifically exempted by statute, every course wherever offered and maintained by the District is fully open to enrollment and participation by any person who has been admitted to the college and meets the course prerequisites established in accordance with Title V.
COURSE REPETITION
WHEN MAY COURSES BE REPEATED?

SUBSTANDARD WORK
A student has up to three enrollments in the same course (SAC and SCC combined) to receive a passing grade. After three attempts, the student can no longer register for the course within this college district. After two attempts, the student loses the ability to register for the class online. A Course Repetition Petition form must be completed with the counselor’s approval prior to submission to the Admissions Office.

NON REPEATABLE COURSES
A student who earns a D, F, or NP (No Pass) grade may repeat the course twice to improve the grade of the substandard work. The last grade earned will count in the GPA calculation.

REPEATABLE COURSES
When a class is identified as repeatable in the Class Schedule, that course may not be repeated more than three times regardless of the grades received. No portion of the class may be repeated to improve a student's grade point average.

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

OTHER REPETITIONS – A & G PETITION PROCESS - PETITION FOR COURSE REPETITION EXCEPTION
Any repetition of a class beyond the specified limits previously specified must be petitioned in the Admissions Office.

WITHDRAWAL POLICY
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 drop a class with “W” grade

PASS/NO PASS
Pass/No Pass petitions must be received in the Admissions Office by March 11, 2022. Pass/No Pass petitions for classes less than a semester in length must be submitted before 30% of the class expires. Pass/No Pass courses may NOT be taken in the student’s major field and a maximum of 12 units of pass/no pass are allowed toward a degree program. Pass/no pass does not include credit by examination. Deadlines for P/NP forms are final! Pass/No Pass status cannot be changed back to a letter grade. A&G petitions will not be approved.

TRANSCRIPTS
Official Transcripts of previous high school and college work should be filed with the Admissions Office by students pursuing a degree.

GRADES DUE AND AVAILABLE
Once the instructor submits grades ONLINE, students can view grades using the online records system. Final grades for all courses are due to Admissions & Records on Thursday following last day of instruction, 2/4/2021.

CLASS SCHEDULE SUBJECT TO CHANGE
The Rancho Santiago Community College District has made every reasonable effort to determine that everything stated in this class schedule is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the administration of the Rancho Santiago Community College District for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the district.

CLASS DISCONTINUANCE POLICY
Any class in which there is not a minimum of 20 students enrolled by the beginning of instruction may be discontinued. Any class which does not maintain satisfactory attendance may be discontinued.

DISTRICT SAFETY AND SECURITY
The District Safety Department provides 24 hour services to both Santa Ana College and Santiago Canyon College, and their sites and centers. At SAC the office is at the X building and the telephone number is 714-564-6330. At SCC, the district safety and security office is at the U building and the phone number is 714-628-4730. Persons wanting to call the office may also do so at SAC, SCC and at the Centennial Education Center may use the yellow call-boxes on those campuses. After hours, from 11pm to 7am, Mon-Fri, the district-wide number for district safety and security services for all campuses is 714-564-6330.

RSCCD has a reputation for maintaining safe campuses, where staff, students and faculty can work and study without fear for their personal safety or property. This is, in part, a result of everyone working together to create an atmosphere that is safe and conducive to learning. All crimes or serious incidents that occur on campus should be reported to the district safety and security department. Crime report logs for the district are maintained and available for review at the district safety office at Santa Ana College.
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714-241-5700
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
   Academic Computing Center  A-106
   Distance Education  A-101

B Middle College High School
   SAUSD Administration Office  B-10

B B – B33
   Adult Education Classrooms

C Fine Arts / Art Gallery
   Honors Program  D-307
   Learning Center  D-428

D Dunlap Hall

E Fitness Center
   Locker Rooms

G Cook Gym

H Hammond Hall
   Classroom Building

J Auto Shop

JSC Johnson Student Center
   Associated Student Government (ASG)  JSC-103
   Bookstore (in Campus Store)  JSC-117
   Cafe - Coffee / Juice Bar  JSC-118
   Campus Store / Quick Stop  JSC-117
   Disabled Students Program (DSPS)  JSC-108

EOPS/CARE / CalWORKs  JSC-212
   Financial Aid  JSC-201
   Guardian Scholars  JSC-215
   Health & Wellness Center  JSC-110
   International Student Program  JSC-208
   Lactation Room  JSC-110
   Reprographics  JSC-120
   SSSP (TRIO) Upward Bound  JSC-209
   Student Business Office  JSC-202
   Student Life  JSC-102
   Student Placement  JSC-203
   The Spot  JSC-101
   Wellness Center  JSC-110

Q Sports Concession  JSC-204
   Russell Hall
   Administration Building – First Floor:  S-101
   Admissions / Records  S-112
   Graduation Office  S-104
   Promise Program  S-110
   FUENTE Program  S-110
   Student Services Program  S-203
   Foundation  S-201
   Scholarship Program  S-213
   Student Outreach

SC Science Center

T Technical Arts

V Early Childhood Education Center

VL The Village

W Kinesiology

X Security / Safety

Z Maintenance
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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
Focused On Your Future

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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