

FEAT



2022

August 22 – December 11



SANTA ANA COLLEGE

Focused On Your Future

FALL 2022

PRESIDENT'S MESSAGE



Welcome to Santa Ana College! We are so happy that you are at our amazing institution, and we are here to provide you excellent services and high-quality education at an affordable rate. Santa Ana College has been part of this community for over 100 years, and we have a rich tradition of academic excellence whether you want to learn English, earn a high school diploma, learn career or technical education, earn an associate's or bachelor's degree, and/or transfer to a university. The college even offers an Online Pathway, where you can earn your degree completely online in two years for about \$2,500. Here at Santa Ana College, we have a pathway for you!

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

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

Even though Santa Ana College has been part of this community for over 100 years, we continue to evolve meeting the needs of our students and growing community. Our new state-of-the-art facilities, including the Science and Johnson Student Centers are facets of that growth, which will enable students to rise through education, helping to change their future and legacy for their families.

We stand ready to inspire, transform, and empower you on your educational journey!

Welcome again,

Annebelle Nery, Ph.D.
Santa Ana College President

SANTA ANA COLLEGE MISSION STATEMENT

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

sac.edu

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Focused On Your Future

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SANTA ANA COLLEGE

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ADMISSIONS / REGISTRATION HOURS

SAC Admissions Office now has more ways to assist students!

- Email us at Adm_Records@sac.edu – submit documents or ask questions

[sac.edu/Student Services/AdmissionsRecords](http://sac.edu/Student_Services/AdmissionsRecords) - HOME PAGE

sac.craniumcafe.com/group/admissions- LIVE CHAT

MON –THURS: 8:00A TO 6:45P

FRIDAY: 8:00A TO 4:30P

The college is closed December 26, 2022, to January 02, 2023. Office hours subject to change

REGISTRATION CALENDAR

April – August 22, 2022

Online registration for CONTINUING students

May 8 – August 22, 2022

New and returning students view your registration appointment online.

May 9 – August 22, 2022

Loss of Priority Registration students

May 10 – August 22, 2022

Special Admit (concurrent K-12) students register online

INSTRUCTIONAL CALENDAR

August 22, 2022

Instruction Begins for Fall Classes (full semester) and First GR8 Weeks

October 17, 2022

Second GR8 Weeks

December 5 - December 11, 2022

Final Exams Week

CLASS ADD OR DROP DEADLINES

September 4, 2022

Last date to add a full-semester class with add code

September 4, 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

September 4, 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

November 13, 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

October 7, 2022

Last date to file pass/no pass for first GR8 Weeks classes

October 7, 2022

Last date to file pass/no pass for full-semester classes

October 7, 2022

Last date to petition for CSU and IGETC

October 7, 2022

Last date to petition for June certificates

October 7, 2022

Last date to petition for June graduation

October 7, 2022

Last date to file pass/no pass for second GR8 Weeks classes

Last date to file pass/no pass petition is the last day of instruction for each section. Check Self-Service for instruction end date.

HOLIDAY CALENDAR

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

September 5, 2022

Labor Day (Monday)

November 11, 2022

Veterans Day (Thursday)

November 24 – 26, 2022

Thanksgiving Day (Thursday–Sunday)

December 25 – 31, 2022

Winter Holiday Break

January 2, 2023

New Year’s Day

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, DECEMBER 11, 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, DECEMBER 15, 2022.

Santa Ana College offers a four-week intersession in January 2023.

The intersession will run from Tuesday, January 3 through Sunday, January 29, 2023.

WE'RE HERE TO HELP

TO CONTACT OR LEARN ABOUT	CONTACT	LOCATION	TELEPHONE
Academic Computing Center	Jazmin Quijada	Cesar Chavez Bldg, A-106	714-564-6731
Add or Drop Class	Registration	Administration Bldg, S-101	714-564-6017
Admissions	Mark Liang	Administration Bldg, S-101	714-564-6017
American Sign Language	Heather Arazi	Dunlap Hall, D-422	(TDD) 714-988-2205 714-564-6283
Articulation High Schools/ROPs	Jonae Varela	Russell Hall, R-105	714-564-6811
Articulation Universities	Paula Canzona	Administration Bldg, S-108	714-564-6088
Assessment Center	Assessment Center Staff	Library Bldg, L-223	714-564-6148
Athletics	Denise Bailey	Kinesiology Bldg, W-102	714-564-6900
Bridge to Engineering	(interim)	Cesar Chavez Bldg - A107-16	714-564-6418
CalWORKs	Ann Lockhart	Johnson Student Center- JSC-212	714-564-6232
Campus Store	Staff	Johnson Student Center, JSC-117	714-564-6435
Career Development/Career Technical Education (CTE)	Marisela Godinez/ Sandy Morris-Pfyl		
Student Success Center		Library Bldg, L-222	714-564-6254
Cashier's Office	Cashier Office Staff	Johnson Student Center, JSC-202	714-564-6965
Centennial Education Center (CEC)	2900 W. Edinger, Santa Ana, CA 92704		714-241-5700
Center for Teacher Education	Steve Bautista	Administration Bldg, S-110	714-564-6352
Child Development Services Santa Ana College	Janneth Linnell Maria Castellon/ Jerelyn Cowan	RSCCD District Office Child Development Center	714-480-7546 714-564-6894
Santa Ana College East Campus Centennial Education Center	Zeferina Gonzalez Susan Wahl	1510 N. Parton, Santa Ana CEC, 2900 W. Edinger, Santa Ana	714-564-6952 714-241-5739
Early Head Start	My Le Pham	RSCCD District Office	714-480-7544
Civic Engagement	Teresa Mercado-Cota	Administration Bldg, S-201	714-564-6105
Clubs/Organizations	Jennifer De La Rosa	Johnson Student Center, JSC-102	714-564-6214
Community Relations	Teresa Mercado-Cota	Administration Bldg, S-201	714-564-6105
Community Education	Lithia Williams	Administration Bldg, S-203	714-564-6594
Computer Lab	Jazmin Quijada	Cesar Chavez Bldg, A-106	714-564-6731
Continuing Education Division, CEC	CEC, 2900 W. Edinger, Santa Ana		714-241-5700
Cooperative Work Experience		Cesar Chavez Bldg, A-103	714-564-6750
Corporate Training Institute Testing Center			
Counseling	Counseling Center Staff	Administration Bldg, S-112	714-564-6103
Criminal Justice Academies, OC Sheriff's Regional Training Academy	Tim Winchell	15991 Armstrong Ave., Tustin, 92782	714-566-9200
CTE Internships		Cesar Chavez Bldg, A-107-4	714-564-6761
CTE Transitions	Kimberly Mathews	Russell Hall, R-105	714-564-6224
Digital Media Center	Sarah Santoyo	DMC (Digital Media Center)	714-241-5810
Disabled Students Program and Services (DSPS)	Veronica Oforlea	Johnson Student Center, JSC-108	714-564-6295
Distance Education (Online Classes)	Cherylee Kushida	Cesar Chavez Bldg, A-101	714-564-6725
District Safety And Security	Ralph Webb	RSCCD	714-480-7331

DIVISIONS/DEPARTMENTS:

Business	Madeline Grant	Cesar Chavez Bldg, A-103	714-564-6750
Career Education & Workforce	VACANT	Village, VL-204	
Development		Dunlap Hall, D-435	714-564-6224
Counseling	Maria Dela Cruz	Administration Bldg, S-106	714-564-6078
Fine & Performing Arts	Kellori Dower	Cesar Chavez Bldg, A-109	714-564-5600
Humanities & Social Sciences	Walter Jones	Dunlap Hall, D-435	714-564-6500
Human Services & Technology	Larisa Sergeyeva	Russell Hall, R-107	714-564-6800
Kinesiology, Health and Athletics	Denise Bailey	Kinesiology Bldg, W-102	714-564-6900
Science, Math, and Health			
Sciences	Saeid Eidgahy	Science Center - SC-116	714-564-6600
Dual Enrollment Program	Fernando Ortiz	Administration Bldg, S-208	714-564-5230
Educational Services	Enrique Perez	RSCCD Room 350	714-480-7460
EMERGENCY	District Safety Staff	Security/Safety Bldg, X-100	714-564-6333
Emergency Services			
(Earthquake Preparedness)	Ralph Webb	RSCCD District Office	714-480-7330
English as a Second Language	VACANT	Dunlap Hall, D-435	714-564-6500
Environmental Safety/ Crime Prevention	Ralph Webb	RSCCD District Office	714-480-7330
EOPS/CARE	Deisy C. Romero	Johnson Student Center, JSC-212	714-564-6232
Facility Reservations	Vacant	Administration Bldg, S-209-1	714-564-6227
Financial Aid	Robert Manson	Johnson Student Center, JSC-201	714-564-6242
Fire Technology	Vacant	Cesar Chavez Bldg, A-113	714-564-6845
Foundation	Christina Romero	Administration Bldg, S-201	714-564-6091
Freshman Success	Ann Lockhart	Administration Bldg, S-133	714-564-6416
Graduation	Graduation Staff	Administration Bldg, S-104	
Hazardous Materials	Ralph Webb	RSCCD District Office	714-480-7330
Health and Wellness Center	Rebecca Barnard	Johnson Student Center, JSC-110	714-564-6216
Honors Transfer Program	Kathy Patterson	Dunlap Hall, D-428	714-564-6528
Human Resources		RSCCD District Office	714-480-7484
I-20 Form	Dao Nguyen	Johnson Student Center, JSC-208	714-564-6047
Information, General	Admissions/Records Staff	Administration Bldg, S-101	714-564-6000
International Students	Mark Liang	Johnson Student Center, JSC-208	714-564-6047
International Trade Assistance	Ruth Cossio-Muniz		714-564-5200
Learning Center	Kathy Walczak	Dunlap Hall, D-307	714-564-6569
Learning Skills Lab (Centennial Education Center)	CEC, D-101		714-241-5768
Library	Library Staff	Nealley Library	714-564-6700
Lost & Found	District Safety Staff	Security/Safety Bldg, X-100	714-564-6330
Math Center	Candice Lehman	Library Bldg L-204	714-564-5405
MESA (Math, Engineering, & Science Achievement)	MESA Staff	Library Bldg, L-206	714-564-6373
Nursing	Mary Steckler	Russell Hall, R-213	714-564-6825
Office of School & Community Partnerships		Administration Bldg, S-214	714-564-6970
Online Classes/Distance Education	Cherylee Kushida	Cesar Chavez Bldg, A-101	714-564-6725
Outreach	Daniel Marquez	Administration Bldg, S-213	714-564-6141
Parking		Security/Safety Bldg, X-100	714-564-6330
Photo ID	Jennie Adams	Johnson Student Center, JSC-202	714-564-6965
Professional Development	Chamberly Chamberlain, Teresa Mercado-Cota	Administration Bldg, S-201	714-564-6519

Psychological Services	Jill Kapil	Johnson Student Center, JSC-110	714-564-6216
Public Affairs & Publications (RSCCD)	Ruth Cossio-Muniz	RSCCD District Office	714-480-7500
Public Information Office	Dalilah Davaloz (Interim)	Administration Bldg, S-204	714-564-5527
Puente Program	Ann Lockhart	Administration Bldg, S-133	714-564-6416
RSCCD Foundation	Enrique Perez	RSCCD District Office, Room 350	714-480-7460
Registration	Registration Staff	Administration Bldg, S-101	714-564-6017
College Research	Janice Love	Administration Bldg, S 209	714-564-6644
Residency	Admissions/Records Staff	Administration Bldg, S-101	714-564-6017
Resource Development Department	Sarah Santoyo	RSCCD District Office	714-480-7463
SAC Promise	Leo Pastrana	Administration Bldg, S-107	714-564-6067
Scholarships	Nandini Puri	Administration Bldg, S-201	714-564-6995
Security	Scott Baker	Security/Safety Bldg, X-100	714-564-6330
Service Learning Program	Vacant	Library Bldg, L-222	714-564-6254
Small Business Development Center, Orange County	Ruth Cossio-Muniz	Digital Media Center	714-564-5200
Spanish Language			
Telephone Assistance	Martha Guerrero-Phlaum	Dunlap Hall D-432	714-564-6561
Speech Language Pathology Assistant Program	Monica Zarske	Hammond Hall, H-206	714-564-6668
Student Affairs	Alicia Kruizenga	Administration Bldg, S-214-1	714-564-6970
Student Business Office	Jennie Adams	Johnson Student Center, JSC-202	714-564-6430
(Office of) Student Life	Jennifer DeLa Rosa	Johnson Student Center, JSC-102	714-564-6211
Student Entrepreneurship Program	Ruth Cossio-Muniz	Digital Media Center	714-564-5200
Student Government	John Nguyen	Johnson Student Center, JSC-103	714-564-6214
Student Leadership Institute	John Nguyen	Johnson Student Center, JSC-103	714-564-6214
Student Support Services Program (TRiO)	Vacant	Johnson Student Center, JSC-209	714-564-6843
Student Transition Program	Julia Vercelli	Centennial Education Center	714-241-5720
Academic Talent Search (TRiO)	Rosio Becerra	Johnson Student Center, JSC-209	714-564-6182
Testing Information (Assessment Center)		Library Bldg, L-223	714-564-6148
Transcripts	Admissions/Records Staff	Administration Bldg, S-101	714-564-6461
Transfer Center	Leo Pastrana	Administration Bldg, S-110	714-564-6165
U-Link	Vacant	Administration Bldg, S-133	714-564-6416
Upward Bound (TRIO)	Vacant	Russell Hall, R-115	714-564-6843
Veterans Resource Center	Brenda Estrada	Planetarium, M-120	714-564-6050
Veterans Student Support Services	Brenda Estrada	Planetarium, M-120	714-564-6050
Veterans Upward Bound (VUB)	Brenda Estrada	Planetarium, M-120	714-564-6288

VISIT OUR WEBSITES:

SANTA ANA COLLEGE sac.edu • **SANTIAGO CANYON COLLEGE** scollege.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 714-564-6295.

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.

ADMISSIONS / REGISTRATION

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 SAC 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 Single Sign-On 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 kn Self Service.

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 [Self-Service](#).

LATE REGISTRATION & ADD PERIOD

August 22 – September 5, 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 September 4, 2022 for full-term classes, and 10% of the class for other non full-term classes. Please refer to section information via [Self Service](#).

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 [Self Service](#) 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, September 4, 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, September 4, 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, September 4, 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

Self-Service Registration Step-by-Step

1. Go to **www.sac.edu/selfservice**
2. Log in with your Single Sign On User ID and Password.
3. Click on "**Student Planning**"
4. Click on "**Go to Plan & Schedule**"
5. Search courses through "**Search for courses...**"
6. Use "**Filter Results**" to narrow down course selection
7. Click on "**View Available Sections for...**"
8. Click on "**Add Section to Schedule**" and "**Add Section**"
9. Click "**Back to Plan & Schedule**"
10. Click "**Register**" to complete registration for the course
- 11. Pay immediately to keep your classes.**

ONLINE COUNSELING

sac.edu/counseling

FEES & TUITION

FEE DESCRIPTION:	FEE	TOTAL
<p>ENROLLMENT FEE 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.</p>	\$46 X <hr style="width: 20%; margin: 0 auto;"/> units	\$
<p>BACCALAUREATE TUITION 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.</p>	\$84 X <hr style="width: 20%; margin: 0 auto;"/> units	\$
<p>NON-RESIDENT TUITION 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.</p>	\$317 X <hr style="width: 20%; margin: 0 auto;"/> units	\$
<p>HEALTH FEE 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 & Records Office.</p>	\$19	\$
<p>TRANSPORTATION FEE 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).</p>	Full-time \$6.75 Part time \$5.75	\$
<p>REPRESENTATION FEE \$2.00 (Fee is optional.)</p>	\$2	\$
<p>MATERIALS FEE A materials fee may be required for a course. Check class listings in this publication for specific fees.</p>		\$
OPTIONAL FEES:		
<p>STUDENT LIFE & LEADERSHIP FEE 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.</p>	\$10 (Optional)	\$
<p>PARKING FEE 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.</p>	Regular Student: \$30 Fee Waiver Student: \$20 (Optional)	\$
	<i>TOTAL:</i>	\$

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 and 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 (studentaid.gov/h/apply-for-aid/fafsa) 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.

CHAFEE 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:

The college has not developed the prerequisite according to its established procedures or has not developed the prerequisite in accord with existing statutes.

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:

Dance 102, 122A, 122B, 125A, 125B, 201A, 201B, 206A, 206B, 219A, 219B
 Kinesiology, Activities 107A, 107B, 107C, 123, 140A, 150A, 155A, 160A, 169A, 169B, 170A, 200A, 200B, 200C, 211A, 211B, 220A, 220B, 220C, 226A, 230A, 260A, 260B, 260C, 265A, 265B, 265C, 270A, 290A, 290B
 Kinesiology, Adapted Activities 201A, 202A, 202B, 205A, 208A, 208B, 211A, 211B
 Kinesiology, Aerobic Fitness 140, 140A, 143A, 144A, 146A, 146B, 150A, 156A, 156B, 157A
 Kinesiology, Aquatics 201A, 201B
 Kinesiology, Fitness 112A, 112B, 112C, 114A, 114B, 115A, 115B, 115C, 147A, 147B
 Kinesiology, Intercollegiate Athletics 125, 128, 133, 171, 201, 202, 204, 206, 209, 210, 211, 212, 213, 216, 217, 218, 219, 220, 221, 223, 227, 230, 231, 232, 235, 240, 261, 262, 270, 271, 281, 291, 293
 Kinesiology, Professional 155, 165, 175, 195, 200, 275

This requirement (F) is met for Fire (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
 English 102 or 102H, 220, 231, 232, 233A, 233B, 233C, 241, 242, 243, 245, 246, 270, 271, 272, 278
 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
English 104 or 104H, 245, 278
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, Activities 107A, 107B, 107C, 123, 140A, 150A, 155A, 160A, 169A, 169B, 170A, 200A, 200B, 200C, 211A, 211B, 220A, 220B, 220C, 226A, 230A, 260A, 260B, 260C, 265A, 265B, 265C, 270A, 290A, 290B
Kinesiology, Adapted Activities 201A, 202A, 202B, 205A, 208A, 208B, 211A, 211B
Kinesiology, Aerobic Fitness 140A, 143A, 144A, 146A, 146B, 150A, 156A, 156B, 157A
Kinesiology, Aquatics 201A, 201B
Kinesiology, Fitness 112A, 112B, 112C, 114A, 114B, 115A, 115B, 115C, 147A, 147B
Kinesiology, Intercollegiate Athletics 125, 128, 133, 171, 201, 202, 204, 206, 209, 210, 211, 212, 213, 216, 217, 218, 219, 220, 221, 223, 227, 235, 240, 261, 262, 270, 271, 281, 291, 293

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.



INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)**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.

Math 105, 140**, 141**, 145, 150**, 170**, 180**, 185, 219** or 219H**, 221**, 280, 287; Psychology 210

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** or 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** or 201H**, 202** or 202H**
 History 101** or 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 100** or 100H**, 102**, 140
 History 101**, 101H**, 102**, 102H**, (101, 101H, 102, 102H Fall 2013 or later completion), 105, 118, 120** or 120H**, 121** or 121H**, 123, 124** or 124H**, 125, 127, 133, 140, 146, 163*, 181
 Interdisciplinary Studies 117H, 155
 Law 100 (Fall 2020 or later completion)
 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**, 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**
 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**

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
 Chemistry 109**, 115, 119**, 209**, 210, 219** or 219H**, 229
 Earth Science 115**

Environmental Studies 259

Geography 101L

Geology 101L, 201

Physical Science 115, 118**

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

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 "O" 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 FALL 2022									
	Section	Units	Course	Time	Days	Instructor	Room		
Puente	13962	4	ENGL 101	10:05a-12:10p	Tu Th	Kelley, S	D-302	C	
	13487	2	CNSL 100	8:50am-9:55am	Tu Th		I-101	C	
ULINK	13904	4	ENGL 101	1:15pm-3:20pm	Tu Th	Villa, B	D-210	C	
	13501	3	CNSL 107	1:15pm-4:15pm	W		A-130	C	
ULINK	15684	3	CMST 102	10:05am-11:20am	Tu Th	Pierce, C	C-207	C	
	13573	3	CNSL 107	1:15pm-4:15pm	W		I-107	C	
ULINK	14006	4	ENGL 101H	10:05am-12:10pm	Tu Th	Patterson, K	Remote Live	VH	
	14451	3	ANTH 100H	1:00pm-2:25pm	Th Th		Leroy, A	Remote Live	VH
	13574	3	CNSL 107	1:15pm-4:15pm	W		I-108	C	

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.

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

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







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


	Online (O)	Fully Online instruction (O) classes are distance education classes that meet 100% online with no scheduled meeting days. Students logon to Canvas at sac.edu/Canvas and complete work regularly throughout the week. Canvas and other technologies will be required to complete coursework.
	Fully Online Live (OL)	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.
	Online & On-Campus Meetings (H)	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.
	Virtual Hybrid (VH)	Virtual Hybrid Instruction (VH) classes are distance education classes that combine scheduled live streaming Zoom meetings and online instruction. Students will attend class virtually on Zoom during the published course times and will logon to Canvas at sac.edu/Canvas and complete work regularly throughout the week. Canvas and other technologies will be required to complete coursework.
	On Campus w/Virtual (CV)	ON-CAMPUS WITH VIRTUAL INSTRUCTION (CV) classes are distance education classes that combine scheduled on-campus and scheduled Zoom meetings. Students will attend class on-campus and will attend class virtually on zoom during the published course times and will logon to Canvas at sac.edu/Canvas . Canvas and other technologies will be required to complete coursework.
	On Campus (C)	ON-CAMPUS (C) classes are on-campus and in-person with scheduled meeting days and times. Students will complete their course on campus.

TEXTBOOK AFFORDABILITY

OPEN EDUCATIONAL RESOURCES (OER)

 Open Educational Resources (OER) refers to textbooks or online materials that are in the public domain or have a Creative Commons license. Classes listed with an OER symbol use free course materials unless noted in the course schedule comments. A course using Lumen Learning OER will charge a material fee for the online resource.

ZERO TEXTBOOK COST (ZTC)

 Zero Textbook Cost (ZTC) refers to courses that eliminate conventional textbook costs by using alternative instructional materials and methodologies, including freely usable Open Educational Resources. Classes listed with a (ZTC) symbol use free course materials.

The college strives to ensure that the OER and ZTC designations are accurate; however, under some circumstances, faculty may have to adjust selection of instructional materials and this can affect course material costs. It may also be necessary to change instructors. Replacement faculty have academic freedom to choose instructional materials regardless of costs and are not obligated to use free course materials selected by an instructor previously assigned to the class.

NEW STUDENT REGISTRATION ORIENTATION

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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.

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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.
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- 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 Guided Self-Placement online by going to the Assessment Center webpage sac.edu/assessmentcenter.

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. The only standardized test that we can still offer under AB 705 is for courses for English Multilingual Students.

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:

qr.go.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 – HOME PAGE
sac.craniumcafe.com/group/admissions-/lobby – LIVE CHAT

ONLINE HOURS ONLY:

MON –THURS: 8:00A TO 6:45P

FRIDAY: 8:00A TO 4:30P

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 anClubs/d 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 Café, 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-5:00p • 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-Thur. 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 llearningcenter@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.

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 of 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 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


	Online (O)	Fully Online instruction (O) classes are distance education classes that meet 100% online with no scheduled meeting days. Students logon to Canvas at sac.edu/Canvas and complete work regularly throughout the week. Canvas and other technologies will be required to complete coursework.
	Fully Online Live (OL)	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.
	Hybrid (H)	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.
	Virtual Hybrid (VH)	Virtual Hybrid Instruction (VH) classes are distance education classes that combine scheduled live streaming Zoom meetings and online instruction. Students will attend class virtually on Zoom during the published course times and will logon to Canvas at sac.edu/Canvas and complete work regularly throughout the week. Canvas and other technologies will be required to complete coursework.
	On Campus w/Virtual (CV)	ON-CAMPUS WITH VIRTUAL INSTRUCTION (CV) classes are distance education classes that combine scheduled on-campus and scheduled Zoom meetings. Students will attend class on-campus and will attend class virtually on zoom during the published course times and will logon to Canvas at sac.edu/Canvas . Canvas and other technologies will be required to complete coursework.
	On Campus (C)	ON-CAMPUS (C) classes are on-campus and in-person with scheduled meeting days and times. Students will complete their course on campus.

TEXTBOOK AFFORDABILITY

OPEN EDUCATIONAL RESOURCES (OER)

 Open Educational Resources (OER) refers to textbooks or online materials that are in the public domain or have a Creative Commons license. Classes listed with an OER symbol use free course materials unless noted in the course schedule comments. A course using Lumen Learning OER will charge a material fee for the online resource.

ZERO TEXTBOOK COST (ZTC)

 Zero Textbook Cost (ZTC) refers to courses that eliminate conventional textbook costs by using alternative instructional materials and methodologies, including freely usable Open Educational Resources. Classes listed with a (ZTC) symbol use free course materials.

The college strives to ensure that the OER and ZTC designations are accurate; however, under some circumstances, faculty may have to adjust selection of instructional materials and this can affect course material costs. It may also be necessary to change instructors. Replacement faculty have academic freedom to choose instructional materials regardless of costs and are not obligated to use free course materials selected by an instructor previously assigned to the class.

HONORS COURSES**ANTH 100H, HONORS INTRODUCTION TO CULTURAL ANTHROPOLOGY 3.0 UNITS**

Seminar style, content enriched for honors students, to provide a critical and extensive exploration of the major areas of cultural anthropology. Includes contemporary issues such as globalization, gender, and ethnic conflict. Field trips may be required.

14451 1:00p-2:25p Tu Th Leroy A ZOOM Full Semester

ULINK Program ANTH 100H Section 14451 is linked to CNSL 107, Section 13574 and ENGL 101H, Section 14006. 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.edu](https://canvas.sac.edu). There will be no instruction on-campus.

BIOL 109H, HONORS FUNDAMENTALS OF BIOLOGY 3.0 UNITS

Traditional Biology, enriched by extensive instructor-prepared study guides for each subject area of curriculum. Additional enhancement by outside reading suggestions and optional student reports. Class participation and discussion is strongly encouraged, as are questions on current reports and news in the popular media and scientific sources. Information will be expanded by reference to research observations and by appropriate references to classical and current literature. Emphasis is on analysis of pertinent topics using critical reading and interpretation skills. Concurrent enrollment in Biology 109L is recommended. Designed for non-biology majors.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher; A high school or college GPA of 3.0 or above.

14559 8:30a-9:55a Tu Th Staff I-203 Full Semester

CMST 101H, HONORS INTRODUCTION TO INTERPERSONAL COMMUNICATION 3.0 UNITS

Introduction to communication theory, rhetoric, listening, perception, language usage, non-verbal communication and conflict management. An enriched approach designed for honors students. Seminar mode stresses the development of analytical thinking, writing, and speaking skills.

15863 Labreau K ONLINE 10/17-12/11

Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. [canvas.edu](https://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 Zero Textbook Cost (ZTC) class.

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.

EML 112 or ENGL 061 or ENGL 061X: 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.

14006 10:05a-12:10p Tu Th Patterson K ZOOM Full Semester

ULINK Program Section: 14006-ENG-101H is linked to Section: 13574-CNSL-107 and 14451-ANTH-100H. 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.edu](https://canvas.sac.edu). There will be no instruction on-campus.

13994 Bassett 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.edu](https://canvas.sac.edu) There will be no instructional meetings.

ENGL 102H, HONORS LITERATURE AND COMPOSITION 4.0 UNITS

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

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

14041 10:05a-12:10p Tu Th Axtell C I-201 Full Semester

ENGL 103H, HONORS CRITICAL THINKING AND WRITING 4.0 UNITS

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

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

14255 Bennett 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.edu](https://canvas.sac.edu) There will be no instructional meetings.

ETHN 150H, HONORS 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. A trans-disciplinary, multisectoral, and multidimensional approach will be employed to study the social, cultural, political, and economic aspects of four ethnic groups - Native/First People Americans, African/Black Americans, Chicana/Chicano/Chicana@/Chicanx/Xicana/Xicano/Xicana/Latin/Latina/Latino/Latine/Latinx Americans, and Asian Americans. Emphasis is placed on these groups' historical and contemporary relationships with each other and the rest of American society-Duplicate credit not granted for ETHN 150.

Prerequisite: A high school or college GPA of 3.0 or above.

14177 10:05a-11:30a M W Camacho J D-303 Full Semester

HIST 101H, HONORS WORLD CIVILIZATIONS TO THE 16TH CENTURY **3.0 UNITS**

An enriched approach designed for honors students that includes individual research as well as small group analysis of historical problems. Emphasis on the development of world civilizations and their interrelationships, basic ideas, institutions, personalities, and artistic achievements from the earliest beginnings to the sixteenth century.

13521		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.edu There will be no instructional meetings.				

HIST 120H, HONORS THE UNITED STATES TO 1877 **3.0 UNITS**

Seminar-style, content-enriched course for Honors students that examines major political, economic, intellectual, and social forces at home and abroad shaping American life from the colonial period through Reconstruction.

13533	10:05a-11:30a	Tu Th	Medina M	D-212	Full Semester
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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.

13603	1:15p-2:40p	Tu Th	Guzman K	D-212	Full Semester
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PHIL 106H, HONORS INTRODUCTION TO PHILOSOPHY **3.0 UNITS**

An enriched approach designed for honors students. A survey of historical and contemporary ideas on how to live the good life.

13450	8:30a-9:55a	Tu Th	Brocatto C	D-102	Full Semester
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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.

12942		Yimenu B	ONLINE	Full Semester
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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.edu](https://canvas.sac.edu) There will be no instructional meetings. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

SOC 140H, HONORS ANALYSIS OF SOCIAL TRENDS AND PROBLEMS **3.0 UNITS**

A seminar-style, in-depth sociological analysis and critique of U.S. social trends and problems with an emphasis on contemporary and historical social policy with additional consideration of global perspectives.

13858		Ramirez C	ONLINE	Full Semester
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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.edu](https://canvas.sac.edu) There will be no instructional meetings.

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.

14108		Galvan J	ONLINE	Full Semester
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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.edu](https://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.

14290		Fiallo C	ONLINE	09/05-12/11
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	1:15p-3:45p	Tu	Staff	ZOOM	
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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.edu](https://canvas.sac.edu). There will be no instruction on-campus. This section has 5 mandatory Zoom meetings on Tuesdays, 9/6, 9/27, 10/18, 11/15, and 12/6 from 1:15-3:45 p.m. Section 14290 has been specifically designed for SPANISH SPEAKERS. This class requires the text "Portales 2" with the electronic code for online lab materials.

SPAN 102H, HONORS ELEMENTARY SPANISH II

5.0 UNITS

Further enhanced and intensive training in language skills for the expression of ideas orally and in writing. Additional enriched study of Hispanic culture. Note: Some sections are designated for Spanish speakers. Spanish 102H is equivalent to the third year of high school Spanish.

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

14254

4:25p-6:55p

F

Guerrero-Phlaum M

Staff

ONLINE


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.edu. There will be no instruction on-campus. This section has 5 mandatory Zoom meetings on Fridays, 8/26, 9/23, 10/21, 11/18, and 12/9 from 4:25 -6:55 p.m. This class requires the text "Puntos de partida" with the electronic code for online lab materials.


ACCOUNTING (ACCT)**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.

	14505	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.


	14513	Bowman S	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.				

	14514	Bowman S	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in 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.


14515	6:00p-10:15p	Tu	Jarjoura R	ZOOM	08/23-10/11
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. The QuickBooks Online version of the software will be used in this course and will be provided to students.					

	14516	McCallick M	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. The QuickBooks Online version of the software will be used in this course and will be provided to students.				

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.


14519	6:00p-10:15p	Tu	Jarjoura R	ZOOM	10/18-12/06
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. The QuickBooks Online version of the software will be used in this course and will be provided to students.					


	14518	McCallick M	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. The QuickBooks Online version of the software will be used in this course and will be provided to students.				

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.


14569	7:50a-9:55a	Tu Th	Sung L	A-211	08/23-12/08
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 a \$10 material fee with no additional textbook cost.					
14567	10:05a-12:10p	M W	McCallick M	A-209	08/22-12/07
This class meets on-campus.					
14571	6:00p-10:05p	W	Wilson S	A-209	Full Semester
This class meets on-campus.					

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

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

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

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

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


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

Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

O	14520			Trone J	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone. Online Degree Pathway course. Registration is open for all students.					
O	14521			Trone J	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone.					
O	14522			Hoekstra T	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone.					
O	14523			Bowman S	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone.					
O	14524			Wilson S	ONLINE	09/19-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. This class will require proctored exams using software. Students must have access to a webcam and a microphone.					
	14565			Trone J	ONLINE	08/25-12/08
	10:05a-12:10p	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. This class will require proctored exams using software. Students must have access to a webcam and a microphone.					
	14566			McCallick M	ZOOM	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.					
O	14568			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.					

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.

	14574	7:50a-9:55a	M W	McCallick M	A-209	Full Semester
	This class meets on-campus.					
O	14572			Trone J	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.					
O	14573			Trone J	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.					
O	14605			Weinraub J	ONLINE	08/22-10/16
	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.					
O	14614			Phung T	ONLINE	10/17-12/11
	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.					

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

14616 **6:00p-9:00p** **W** **Strong J** **HYBRID** **Full Semester**
Staff **A-211**
 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. This class will require proctored exams using software. Students must have access to a webcam and a microphone.

O **14619** **Strong J** **ONLINE** **09/19-12/11**
 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.

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.

O **14623** **Sung L** **ONLINE** **08/22-10/16**
 Fully Online Instruction. Students are required to log in 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 **14625** **Sung L** **ONLINE** **10/17-12/11**
 Fully Online Instruction. Students are required to log in 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 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

O **14626** **Sung L** **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.

ACCT 113, INTERMEDIATE INCOME TAXES - CORPORATIONS**2.0 UNITS**

This course covers income tax theory, concepts and regulations relating to corporations. The course includes the federal and California tax systems and income taxation relating to Corporations as well as basic tax research and ethical implications. This course includes coverage of both C Corporations and S Corporations.

O **14636** **Sung L** **ONLINE** **08/22-10/16**
 Fully Online Instruction. Students are required to log in 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 114, INTERMEDIATE INCOME TAXES - PARTNERSHIP AND LLCs**2.0 UNITS**

This course covers income tax theory, concepts, and regulations relating to partnerships. The course includes the federal and California tax systems and income taxation relating to partnerships and other forms of business such as LLCs as well as basic tax research and ethical implications.

O **14638** **Sung L** **ONLINE** **10/17-12/11**
 Fully Online Instruction. Students are required to log in 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 124, COMPUTERIZED INCOME TAX PREPARATION**2.0 UNITS**

This course provides a student with practical knowledge of Federal income tax preparation and the income tax formula using commercial tax software.

O **14642** **Sung L** **ONLINE** **08/22-10/16**
 Fully Online Instruction. Students are required to log in 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.

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

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

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

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

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

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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

ACCT 125, VOLUNTEER INCOME TAX ASSISTANCE (VITA) I**2.0 UNITS**

This course will cover Federal and California individual income tax theories and laws to prepare students to successfully pass the IRS-provided online Basic, Advanced, and additional tax exams and be eligible to volunteer in the IRS-sponsored Volunteer Income Tax Assistance (VITA) program. The successful completion of the course and passing the exams will prepare students to work as an intern or volunteer at a VITA site to prepare tax returns and have face-to-face interaction with taxpayers.

Recommended Preparation: Accounting 104 with a minimum grade of C.


14644	6:00p-10:15p	W	Jarjoura R	ZOOM	10/19-12/07
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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. There will be no instruction on-campus. There is no additional textbook cost for this ZTC class.

ACCT 210, ACCOUNTING INFORMATION SYSTEMS**3.0 UNITS**

Introductory course to accounting information systems that applies accounting principles using database and spreadsheet software. Designed to develop employable accounting analysis skills; evaluate and compare commercial software; analyze financial statements and understand role of internal controls.

Prerequisite: Accounting 101 with a minimum grade of C.


 14648	Strong J	ONLINE	08/22-10/16
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

ACCT 211, AUDITING**3.0 UNITS**

This course examines the use of financial statement audits and details the audit process. Topics include professional responsibilities of auditors, audit design, sampling approaches, substantive testing, testing controls, and audit report formulation and communication.

Prerequisite: Accounting 102 with a minimum grade of C.


 14652	Strong J	ONLINE	10/17-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


AMERICAN SIGN LANGUAGE (ASL)**ASL 110, AMERICAN SIGN LANGUAGE I****4.0 UNITS**

This entry level course is designed to introduce students to American Sign Language (ASL) and fingerspelling as it is used within American Deaf culture. Instruction includes preparation for visual/gestural communication followed by intensive work on comprehension through receptive language skills, development of basic conversational skills, modeling of grammatical structures, and general information about American Deaf culture. Sign Language 110 is equivalent to two years of high school ASL. Students are required to attend at least one off-campus event.


13051	5:20p-7:25p	M W	Miller T	D-105	Full Semester
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 13040	Smith E	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

 13041	Arazi H	ONLINE	08/22-10/16
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway. Registration open to all students.

 13042	Arazi H	ONLINE	08/22-10/16
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


 13043	Smith E	ONLINE	08/22-10/16
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


 13044	Smith E	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources 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

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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**

O	13045		Vollmar 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.				
O	13047		McCrory 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.				
O	13048		Ayala E	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	13049		Loparo 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.				
O	13050		Ruiz K	HYBRID	Full Semester
	10:05a-12:10p	Th	Staff	D-105	
	On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu				
O	13052		McCrory R	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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	13053		Ayala E	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.				

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.

	13054		Ruiz K	HYBRID	Full Semester
	1:15p-3:20p	Th	Staff	D-105	
O	13055		Vollmar J	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in 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	13056		Smith E	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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 for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Online Degree Pathway. Registration open to all students.				

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.

O	13057		Gamache 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. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Online Degree Pathway. Registration open to all students.				

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

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

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

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

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

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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

O 13058 Arazi H ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway. Registration open to all students.

O 13059 Arazi H 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.

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.

O 13060 Gamache 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. Your instructor has elected to use Open Educational Resources 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.

O 13730 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.

O 13731 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.

O 13732 Evans T ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

ANTH 100H, HONORS INTRODUCTION TO CULTURAL ANTHROPOLOGY**3.0 UNITS**

Seminar style, content enriched for honors students, to provide a critical and extensive exploration of the major areas of cultural anthropology. Includes contemporary issues such as globalization, gender, and ethnic conflict. Field trips may be required.

14451	1:00p-2:25p	Tu Th	Leroy A	ZOOM	Full Semester
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ULINK Program ANTH 100H Section 14451 is linked to CNSL 107, Section 13574 and ENGL 101H, Section 14006. 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.

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.

13714	10:05a-11:30a	M W	Cundiff W	D-401	Full Semester
13728	10:05a-11:30a	Tu Th	Cundiff W	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.

13717	6:00p-9:10p	Tu	Leroy A	D-401	Full Semester
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C **ON-CAMPUS:** On-Campus Instruction - On-campus and in-person with scheduled meeting days and times.

Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

O	13733		Cundiff W	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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	13734		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.				
O	13735		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.				
O	13736		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.				

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.

	13715	11:40a-2:50p	W	Robertson M	D-401	Full Semester
	13718	6:00p-9:10p	W	Leroy A	D-401	Full Semester
O	13737			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.					
	13738			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.					
O	13739			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.					

ANTH 103, INTRODUCTION TO ARCHAEOLOGY**3.0 UNITS**

This is a survey course in world archaeology. Methods of archaeological survey and excavation will be discussed as well as past and current concepts and theories. Material remains such as lithics, bone, ceramics and ecofacts will be discussed as to how they can be interpreted into social, political, economic, religious, and ethnic terms.

	13727	11:55a-3:05p	M	Cheetham 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.					

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.

	13729	6:00p-9:10p	Th	Fini K	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 (ART)**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.

Open Entry / Open Exit

	16008	1:15p-2:40p	W	Hower T	C-210	Full Semester
	16014	5:00p-6:25p	Th	Dufala C	C-105	Full Semester

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

Low Cost or Free Textbooks
 **OER**
 **ZTC**
Honors Courses:
 **HONORS**

- O** **16004** **Orr E** **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** **16010** **Orr E** **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** **16012** **Orr E** **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.

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.

16015 **8:30a-9:55a** **M W** **Spies B** **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 Zero Textbook Cost (ZTC) class.

16018 **8:30a-9:55a** **Tu Th** **Foster E** **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 Zero Textbook Cost (ZTC) class.

16031 **1:15p-2:40p** **M W** **Stone L** **C-104** **Full Semester**

16033 **1:15p-2:40p** **Tu Th** **Soriano I** **ZOOM** **Full Semester**

Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

16041 **2:50p-4:15p** **M W** **Stone L** **C-104** **Full Semester**

16020 **4:25p-5:50p** **M W** **Soriano I** **ZOOM** **Full Semester**

Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

16028 **4:25p-7:25p** **Tu** **Soriano I** **ZOOM** **Full Semester**

Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

- O** **16017** **Marquez P** **ONLINE** **08/22-10/16**
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.

- O** **16025** **Monroe J** **ONLINE** **08/22-10/16**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

- O** **16037** **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. 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 Zero Textbook Cost (ZTC) class.

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

- O 16039** Lourenco E 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 Zero Textbook Cost (ZTC) class.
- O 16052** Monroe J ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.
- O 16053** Monroe J ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.
- O 16054** Stone L ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.

ART 101, SURVEY OF WESTERN ART HISTORY I: PREHISTORY THROUGH THE MIDDLE AGES 3.0 UNITS

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

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

16056 10:05a-11:30a Tu Th Spies B 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 Zero Textbook Cost (ZTC) class.

- O 16055** Wilson E ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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

The study of Western art history from the Renaissance to today. Art movements and individual painters, sculptors, architects, and printmakers will be presented within the context of the social, political, and intellectual histories of their respective periods. Required for art majors.

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

16057 1:15p-2:40p Tu Th Spies B A-130 Full Semester

- O 16059** Wilson E ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.

ART 103, ARTS OF AFRICA, OCEANIA, AND INDIGENOUS NORTH AMERICA 3.0 UNITS




History and appreciation of the arts of Africa, Oceania, and indigenous North America. Examines the visual arts of these vast and varied cultures within socio-political, aesthetic, religious contexts and their impact on Western art in Europe and the Americas.

- O 16060** Wilson E ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

ART 104, MEXICAN AND CHICANO ART HISTORY 3.0 UNITS

The history and appreciation of Mexican and Chicano art from the pre-Columbian to the present including the modern murals of Mexico and the United States.

16061 11:40a-1:05p Tu Th Soriano I ZOOM Full Semester
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** ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
- OL** FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom
- H** HYBRID: On-Campus Hybrid Instruction - A combination of on-campus meetings and online instruction
- VH** VIRTUAL HYBRID: Virtual Hybrid Instruction - A combination of live streaming Zoom meetings and online instruction
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- C** ON-CAMPUS: On-Campus Instruction - On-campus and in-person with scheduled meeting days and times.
- Low Cost or Free Textbooks
-  OER
-  ZTC
- Honors Courses:
-  HONORS

SANTA ANA COLLEGE – FALL 2022 Page 47

16062 **4:25p-7:25p** **M** **Soriano I** **ZOOM** **Full Semester**
Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu. There will be no instruction on-campus.

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

History of painting, sculpture, architecture, prints, and applied arts from the late nineteenth century through the twentieth century. Covers the formal philosophic, spiritual, and historical background of art from Post Impressionism to Post Modernism. For general students and art majors.

O **16064** **Synicky C** **ONLINE** **08/22-10/16**
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.

ART 108, CONTEMPORARY ART HISTORY: ART SINCE MID-TWENTIETH CENTURY**3.0 UNITS**

A survey course exploring post World War II styles, trends, ideas, and innovations in architecture and the visual arts in Europe and North America with references to globalization.

O **16065** **Synicky C** **ONLINE** **10/17-12/11**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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

Introduction to the principles and elements of two-dimensional design. Provides instruction in the fundamentals of visual communication including color theory, composition, and expression. Application of concepts through creative projects. Required for art majors.

O **16066** **Hostetter 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.

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.

16072 **9:00a-9:50a** **M W** **Dufala C** **C-106** **Full Semester**
10:00a-12:05p **M W** **Dufala C** **C-106**

O **16067** **Lourenco E** **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.

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.

16097 **10:05a-10:55a** **Tu Th** **Foster E** **C-210** **Full Semester**
11:05a-1:20p **Tu Th** **Foster E** **C-210**
16114 **1:15p-2:05p** **Tu Th** **Dufala C** **C-106** **Full Semester**
2:15p-4:20p **Tu Th** **Dufala C** **C-210**

O **16074** **Hostetter 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.

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.

16102 **9:55a-10:45a** **M W** **Hower T** **C-210** **Full Semester**
10:55a-1:15p **M W** **Hower T** **C-210**
16108 **6:30p-7:20p** **Tu Th** **McClatchey S** **C-210** **Full Semester**
7:30p-9:35p **Tu Th** **McClatchey S** **C-210**

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

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

O 16120**Orr E****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.

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.

O 16121**Orr E****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.

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.

O 16124**Orr E****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 16127**Orr E****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.

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.

O 16122**Orr E****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.

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

16380	10:05a-11:30a	M W	Clark S	A-223	Full Semester
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	11:30a-12:00p	M W	Clark S	A-223	
There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.					

16382	10:05a-11:30a	Tu Th	Fitch A	A-223	Full Semester
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	11:30a-12:00p	Tu Th	Fitch A	A-223	
There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.					

O 16376**Clark S****ONLINE****08/22-10/16**

Fully Online Instruction. Students are required to log in 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.

O 16378**Pastrana D****ONLINE****10/17-12/11**

Fully Online Instruction. Students are required to log in 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.

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

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

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

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

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

Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:


 **HONORS**

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.

16099	10:00a-10:55a	Tu Th	Foster E	C-210	Full Semester
	11:05a-1:10p	Tu Th	Foster E	C-210	
16116	1:15p-2:05p	Tu Th	Dufala C	C-210	Full Semester
	2:15p-4:20p	Tu Th	Dufala C	C-210	

 16091			Hostetter D	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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.

16104	10:00a-10:50a	M W	Hower T	C-210	Full Semester
	11:00a-1:20p	M W	Hower T	C-210	
16110	6:30p-7:20p	Tu Th	McClatchey S	C-210	Full Semester
	7:30p-9:35p	Tu Th	McClatchey S	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.


16106	10:00a-10:50a	M W	Hower T	C-210	Full Semester
	11:00a-1:20p	M W	Hower T	C-210	
16111	6:30p-7:20p	Tu Th	McClatchey S	C-210	Full Semester
	7:30p-9:35p	Tu Th	McClatchey S	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.

16101	10:00a-10:55a	Tu Th	Foster E	C-210	Full Semester
	11:05a-1:10p	Tu Th	Foster E	C-210	
16119	1:15p-2:05p	Tu Th	Dufala C	C-210	Full Semester
	2:15p-4:20p	Tu Th	Dufala C	C-210	


 16095			Hostetter D	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


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.


 16123			Orr E	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

O 16125 Orr E 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 16128 Orr E 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.

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.

O 16126 Orr E 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 16129 Orr E 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.

ASTRONOMY (ASTR)**ASTR 109, INTRODUCTION TO THE SOLAR SYSTEM****3.0 UNITS**

Surveys history of astronomy, recent research and observations of the planets, moons, and other solar system objects. Exploration of light and gravity to understand formation, properties, and motion of Solar System objects.

14434	10:05a-11:30a	Tu Th	Staff	SC-111	Full Semester
14435	1:15p-2:40p	M W	Staff	SC-111	Full Semester
14437	7:35p-9:00p	Tu Th	Staff	SC-111	Full Semester

O 14431 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.

O 14432 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.

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.

14443	4:25p-5:50p	M W	Staff	SC-111	Full Semester
14439			Staff	ONLINE	Full Semester

O 14439 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.

O 14440 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.

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.

14444	10:05a-1:05p	W	Staff	SC-312	Full Semester
14445	1:15p-4:15p	Th	Staff	SC-312	Full Semester
14446	7:35p-10:35p	F	Staff	SC-312	Full Semester

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Low Cost or
Free Textbooks

 OER


 ZTC

Honors Courses:

 HONORS

AUTOMOTIVE TECHNOLOGY (AUTO)**AUTO 101A, AUTOMOTIVE MECHANICAL OPERATION****3.0 UNITS**

This course will focus on function, operation, and design of the mechanical aspects of modern automobiles. Engine repair, manual and automatic transmissions, brakes, and suspension operation and design will be covered. The course is designed for students seeking general knowledge of automotive mechanical systems and employment in a nontechnical field.

 13537	Rudd J	ONLINE	Full Semester
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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

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.

13539	8:00a-10:30a	M	Sosebee M	J-101	Full Semester
	10:40a-12:05p	M	Sosebee M	J-103	
This class meets on-campus. There is no additional textbook cost for this ZTC class.					
13540	8:00a-10:30a	W	Sosebee M	J-101	Full Semester
	10:40a-12:05p	W	Sosebee M	J-103	
This class meets on-campus. There is no additional textbook cost for this ZTC class.					
13541	6:00p-8:30p	Tu	Staff	J-102	Full Semester
	8:40p-10:05p	Tu	Staff	J-103	
This class meets on-campus. There is no additional textbook cost for this ZTC class.					
13538			Bittner M	HYBRID	10/17-12/11
	1:00p-4:35p	Th	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 There is no additional textbook cost for this ZTC class.

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.

13542	8:00a-10:05a	M W	Bittner M	J-102	Full Semester
	10:15a-12:20p	M W	Bittner M	J-103	

This class meets on-campus.

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.

13543	1:00p-2:25a	M W	Rudd J	J-101	Full Semester
	2:35p-5:05p	M W	Rudd J	J-103	

This class meets on-campus.


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.


13544			Duque J	HYBRID	08/22-11/13
	6:00p-9:30p	Tu Th	Duque J	J-103	


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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

13545			Bittner M	HYBRID	08/22-11/13
	1:00p-4:30p	M W	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 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.

13546	4:00p-5:25p	M W	Nguyen H	LINCOLN	Full Semester
	5:35p-8:05p	M W	Nguyen H	LINCOLN	

This class meets at Lincoln M-1

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.

13547			Roper D	HYBRID	08/22-10/16
	1:00p-5:15p	Tu Th	Roper D	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 118, ENGINE PERFORMANCE**5.0 UNITS**

This course will cover engine performance procedures including fuel, ignition, oscilloscope, emission control, and computer systems found on modern automobiles. Hands-on testing and diagnosis are emphasized. This course assists the student in preparation for the A8 (Engine Performance) ASE certification exam. Students must furnish approved safety glasses. Field trips may be required.

Recommended Preparation: Automotive Technology 102 and 116 are recommended.

13548			Rudd J	HYBRID	10/17-12/11
	6:00p-10:15p	M W	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.

13549			Bittner M	HYBRID	10/17-12/11
	8:00a-11:35a	Th	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 187, BAR SPECIFIED DIAGNOSTIC AND REPAIR**5.0 UNITS**


Bureau of Automotive Repair recognized diagnostic and repair course. This course fulfills one of the required courses the student needs to take the State Smog Technician Exam. The course is designed for students seeking to obtain a California State Smog License and will stay current with B.A.R. guidelines as new regulations and/or technologies are introduced. This course is intended for individuals with some automotive experience or education.


13550			Rudd J	HYBRID	08/22-10/16
	6:00p-9:20p	M W	Rudd J	J-103	


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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

13551	8:00a-10:05a	Tu Th	Roper D	J-102	Full Semester
	10:15a-12:20p	Tu Th	Roper D	J-103	

This class meets on-campus.

AUTO 283, AUTOMOTIVE DIAGNOSTIC SKILLS**3.0 UNITS**

This course covers the use of automotive diagnostic equipment such as scan tools, digital multimeters, lab scopes, and various testing equipment. Test procedures and diagnostics will be emphasized. Hands-on applications will be required in lab activities. Field trips may be required.

Recommended Preparation: Completion of at least 6 units of automotive courses.

15954			Andreasen K	HYBRID	Full Semester
	6:00p-9:10p	Th	Andreasen K	J-103	

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

AUTO 285, HYBRID VEHICLES**3.0 UNITS**

This course will discuss safety, operation, and basic service of modern hybrid vehicles. Safety and special tools for dealing with high voltage are emphasized. System function and components are highlighted. Electric vehicles are introduced.


13553	1:00p-4:00p	Tu Th	Roper D	J-102	10/17-12/11
	4:05p-5:35p	Tu Th	Roper D	J-103	


This class meets on-campus.

AUTO 299, LIGHT VEHICLE DIESEL ENGINES**1.0 - 4.0 UNITS**

This work experience course of supervised employment assists students to acquire desirable work habits, attitudes, and skills in automotive mechanical repair. 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: Completion of at least 6 units of Automotive Technology courses with a minimum grade of C.


 13554			Roper 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. There will be 300 hours arranged for the semester. Variable unit course. 1-4 units. Depending on hours completed.				


 15814			Roper D	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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 will be 300 hours arranged for the semester. Variable unit course. 1-4 units. Depending on hours completed.				


BIOLOGY (BIOL)**BIOL 109, FUNDAMENTALS OF BIOLOGY****3.0 UNITS**


Principles of biology stressing the relationship of all organisms from anatomical, physiological, and ecological points of view. Includes cell machinery, genetics, reproduction, embryology, animal behavior, botany, ecology, evolution, and human physiology. Concurrent enrollment in Biology 109L recommended. Designed for non-biology majors.


14469	8:30a-9:55a	M W	Jang C	R-124	Full Semester
14471	8:30a-11:30a	Sa	Lopez J	R-128	Full Semester
14558	8:30a-9:55a	Tu Th	Staff	I-203	Full Semester
14470	10:05a-11:30a	M W	Jang C	R-128	Full Semester


 14476			Oertel 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 There will be no instructional meetings.				


 14478			Jang 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.				


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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

	14479		Jang C	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.				
	14480		Morris A	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.				
	14481		Morris A	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.				
	14482		Morris A	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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 109H, HONORS FUNDAMENTALS OF BIOLOGY**3.0 UNITS**

Traditional Biology, enriched by extensive instructor-prepared study guides for each subject area of curriculum. Additional enhancement by outside reading suggestions and optional student reports. Class participation and discussion is strongly encouraged, as are questions on current reports and news in the popular media and scientific sources. Information will be expanded by reference to research observations and by appropriate references to classical and current literature. Emphasis is on analysis of pertinent topics using critical reading and interpretation skills. Concurrent enrollment in Biology 109L is recommended. Designed for non-biology majors.

Prerequisite: A college GPA or high school GPA for first term college students of 3.0 or higher; A high school or college GPA of 3.0 or above.

14559	8:30a-9:55a	Tu Th	Staff	I-203	Full Semester
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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.

14489	8:30a-11:30a	F	Lopez J	SC-218	Full Semester
14491	8:30a-11:30a	Sa	Staff	SC-218	Full Semester
14483	10:05a-1:05p	M	Lopez J	SC-218	Full Semester
14486	10:05a-1:05p	Tu	Lopez J	SC-218	Full Semester
14490	11:45a-2:45p	Sa	Lopez J	SC-218	Full Semester
14484	1:15p-4:15p	M	Lopez J	SC-218	Full Semester
14487	7:35p-10:35p	W	Lopez J	SC-218	Full Semester
14488	7:35p-10:35p	Th	Lopez J	SC-218	Full Semester

BIOL 111, MARINE BIOLOGY**4.0 UNITS**


This course covers basic concepts of marine ecosystems including oceanographic principles, ecology, and a survey of marine habitats and diversity of marine organisms. Field trips required.


14944	10:05a-11:30a	Tu Th	Morris A	SC-208	Full Semester
	6:55a-9:55a	Tu	Moore S	SC-226	


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.


14691	10:05a-1:05p	M	Staff	R-126	Full Semester
	6:55a-9:55a	M	Staff	SC-213	
14692	10:05a-1:05p	M	Staff	R-126	Full Semester
	1:15p-4:15p	M	Staff	SC-213	
14689	7:35p-10:35p	Tu	Staff	R-124	Full Semester
	4:25p-7:25p	Th	Staff	SC-213	
14690	7:35p-10:35p	Tu	Staff	R-124	Full Semester
	7:35p-10:35p	Th	Staff	SC-213	

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**


Honors Courses:

 **HONORS**

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.

 15024	Staff	ONLINE	Full Semester
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BIOL 200, HUMAN ECOLOGY

3.0 UNITS

A biological and physical science introduction to environmental problems such as energy, resources, pollution, land use, population and food, including economic and political factors. A natural science elective.

14945	10:05a-11:30a	M W	Staff	SC-208	Full Semester
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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.

14501	11:40a-1:05p	Tu Th	Staff	SC-111	Full Semester
	6:55a-9:55a	Tu Th	Staff	SC-212	
14502	11:40a-1:05p	Tu Th	Staff	SC-111	Full Semester
	1:15p-4:15p	Tu Th	Staff	SC-212	

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.

15020	10:05a-11:30a	M W	Staff	SC-208	Full Semester
	1:15p-4:15p	M W	Staff	SC-226	

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.

15021	11:40a-1:05p	Tu Th	Staff	SC-208	Full Semester
	1:15p-4:15p	Tu Th	Staff	SC-226	

BIOL 229, GENERAL MICROBIOLOGY


5.0 UNITS


Introduction to microorganisms, their classification, structure, biochemistry, growth, control, and interactions with other organisms and the environment. Designed for biology, preprofessional, and prenursing (BSN) majors.


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


Material Fee(s): \$20.00


14947	1:15p-2:40p	M W	Staff	R-128	Full Semester
	10:05a-1:05p	M W	Staff	SC-216	
14948	1:15p-2:40p	M W	Staff	R-128	Full Semester
	4:25p-7:25p	M W	Staff	SC-216	
14951	1:15p-2:40p	M W	Staff	R-128	Full Semester
	7:35p-10:35p	M W	Staff	SC-216	
14952	1:15p-2:40p	Tu Th	Staff	R-128	Full Semester
	6:55a-9:55a	Tu Th	Staff	SC-216	
14953	1:15p-2:40p	Tu Th	Staff	R-128	Full Semester
	10:05a-1:05p	Tu Th	Staff	SC-216	
14954	1:15p-2:40p	Tu Th	Staff	R-128	Full Semester
	4:25p-7:25p	Tu Th	Staff	SC-216	

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

SANTA ANA COLLEGE – FALL 2022 Page 56

14955	5:30p-8:30p	F	Staff	SC-208	Full Semester
	8:35a-2:45p	Sa	Staff	SC-216	

BIOL 239, GENERAL HUMAN ANATOMY**4.0 UNITS**

Structure of the human body. Systems, organs, and tissues are studied from human skeletons, models, charts, slides and various electronic programs. Laboratory includes the dissection of a cat and periodic demonstrations of a prosected cadaver as available.

14990	6:55a-8:20a	Tu Th	Staff	R-124	Full Semester
	4:25p-7:25p	M	Staff	SC-217	
14992	6:55a-8:20a	Tu Th	Staff	R-124	Full Semester
	10:05a-1:05p	Tu	Staff	SC-217	
14993	6:55a-8:20a	Tu Th	Staff	R-124	Full Semester
	1:15p-4:15p	W	Staff	SC-217	
14995	6:55a-8:20a	Tu Th	Staff	R-124	Full Semester
	10:05a-1:05p	Th	Staff	SC-217	
14966	8:30a-9:55a	M W	Staff	R-128	Full Semester
	10:05a-1:05p	M	Staff	SC-217	
14972	8:30a-9:55a	M W	Staff	R-128	Full Semester
	1:15p-4:15p	M	Staff	SC-217	
14973	8:30a-9:55a	M W	Staff	R-128	Full Semester
	10:05a-1:05p	W	Staff	SC-217	
14982	8:30a-9:55a	M W	Staff	R-128	Full Semester
	4:25p-7:25p	Tu	Staff	SC-217	
15015	8:30a-11:30a	Sa	Staff	SC-113-1	Full Semester
	11:45a-2:45p	Sa	Staff	SC-217	
15017	8:30a-11:30a	Sa	Staff	SC-113-2	Full Semester
	2:00p-5:00p	F	Staff	SC-217	
15018	11:45a-2:45p	Sa	Staff	SC-113-1	Full Semester
	8:30a-11:30a	Sa	Staff	SC-217	
15019	11:45a-2:45p	Sa	Staff	SC-113-2	Full Semester
	5:20p-8:20p	F	Staff	SC-217	
14996	7:35p-10:35p	Th	Staff	R-128	Full Semester
	7:35p-10:35p	M	Staff	SC-217	
14997	7:35p-10:35p	Th	Staff	R-128	Full Semester
	7:35p-10:35p	Tu	Staff	SC-217	
14998	7:35p-10:35p	Th	Staff	R-128	Full Semester
	7:35p-10:35p	W	Staff	SC-217	
14999	7:35p-10:35p	Th	Staff	R-128	Full Semester
	4:25p-7:25p	Th	Staff	SC-217	

BIOL 249, HUMAN PHYSIOLOGY**4.0 UNITS**

Microscopic, macroscopic, and dynamic view of the human physiological processes. The lecture portion includes a thorough consideration of both "cell and systems" physiology. Laboratory work includes the use of techniques used in basic research, an introduction to the use of standard medical equipment, and the performance of medical laboratory tests. Non-invasive experiments are performed on students enrolled in the class.

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

14700	8:30a-11:30a	Sa	Staff	R-124	Full Semester
	11:45a-2:45p	Sa	Staff	SC-213	
14701	8:30a-11:30a	Sa	Staff	R-124	Full Semester
	4:25p-7:25p	Tu	Staff	SC-213	
14702	8:30a-11:30a	Sa	Staff	R-124	Full Semester
	7:35p-10:35p	Tu	Staff	SC-213	

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**


14703	8:30a-11:30a 4:25p-7:25p	Sa F	Staff Staff	R-124 SC-213	Full Semester
14695	1:15p-4:15p 10:05a-1:05p	W W	Staff Staff	R-124 SC-213	Full Semester
14696	1:15p-4:15p 4:25p-7:25p	W W	Staff Staff	R-124 SC-213	Full Semester
14697	1:15p-4:15p 10:05a-1:05p	W Tu	Staff Staff	R-124 SC-213	Full Semester
14698	1:15p-4:15p 1:15p-4:15p	W Tu	Staff Staff	R-124 SC-213	Full Semester
14699	1:15p-4:15p 1:00p-4:00p	W F	Staff Staff	R-124 SC-213	Full Semester

BUSINESS (BUS)

BUS 080, 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.


 14442			Nguyen K	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					


BUS 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.


14811	8:30a-9:55a	M W	Ursuy C	A-203	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 a \$20 material fee with no additional textbook cost.					
14956	10:05a-11:30a	M W	Shweiri G	A-205	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 a \$20 material fee with no additional textbook cost.					
 14950			Shweiri 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. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is a \$20 material fee with no additional textbook cost.					
14957	10:05a-11:30a	Tu Th	Kowsari A Staff	HYBRID A-203	08/22-10/16
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 a \$20 material fee with no additional textbook cost.					
14958	6:00p-8:00p	W	Kowsari A Staff	ONLINE ZOOM	08/22-10/16
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 a \$20 material fee with no additional textbook cost.					
 14959			Shweiri G	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is a \$20 material fee with no additional textbook cost.					

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:




 **HONORS**

BUS 101, BUSINESS LAW

3.0 UNITS

Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations. Intended for transfer to Cal State Northridge. All others see Law 105 and Bus 105. Check with counselor for appropriate class. May only receive credit for Bus 101, Bus 105 or Law 105.

	14687	10:20a-11:45a	Tu Th	Robinson K	ZOOM	Full Semester
	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. 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)					
	14675	11:55a-1:20p	M W	Sauber D	ZOOM	Full Semester
	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. 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)					
O	14694	6:00p-9:10p	W	Liang M	A-130	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. 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)					
O	14627			Salling T	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)					
O	14634			Harman 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. 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)					
O	14640			Smith K	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)					
O	14650			Manzano F	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105)					
O	14661			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. 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)					

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OL	FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom	
H	HYBRID: On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction	 OER
VH	VIRTUAL HYBRID: Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction	 ZTC
CV	ON CAMPUS W/VIRTUAL: On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings	Honors Courses:
C	ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.	 HONORS

O **14670** **Robinson K** **ONLINE** **10/17-12/11**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 101 for transfer to Cal State Northridge only. All others take BUS 105 or LAW 105 (can receive credit for only BUS 105 or LAW 105) Online Degree Pathway course. Registration is open for all students.

BUS 103, COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL EDUCATION-OCCUPATIONAL **1.0 - 4.0 UNITS**

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

Open Entry / Open Exit

O **14961** **Manzano M** **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.

O **14963** **Manzano M** **ONLINE** **09/19-12/11**
Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

O **14964** **Manzano M** **ONLINE** **10/17-12/11**
Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

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

O **14967** **Manzano M** **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.

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.

14688 **10:20a-11:45a** **Tu Th** **Robinson K** **ZOOM** **Full Semester**
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. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105.

14677 **11:55a-1:20p** **M W** **Sauber D** **ZOOM** **Full Semester**
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. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105.

14704 **6:00p-9:10p** **W** **Liang M** **A-130** **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. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105.

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

- O 14630** **Salling T** **ONLINE** **10/17-12/11**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105.
- O 14635** **Harman 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. 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.
- O 14643** **Smith K** **ONLINE** **08/22-10/16**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105.
- O 14654** **Manzano F** **ONLINE** **10/17-12/11**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105.
- O 14662** **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. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105.
- O 14672** **Robinson K** **ONLINE** **10/17-12/11**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. BUS 105 is the same as LAW 105 - students can receive credit for only one class BUS 105 OR LAW 105. Online Degree Pathway course. Registration is open for all students.

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

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

14970 **Kowsari A** **HYBRID** **10/17-12/11**
10:05a-11:30a Tu Th Staff A-203

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

BUS 115, GLOBAL SHIPPING AND LOGISTICS **3.0 UNITS**

Learn how to respond to international trade inquiries, understand international trade terms of sale for import and export, and how to calculate landed costs. Learn how to create and issue import and export documents used in selling or buying products globally. Includes the creation and use of actual documents used in global trade. Learn how to ship products internationally and develop a transportation strategy. Learn about transportation terminology, the role of the freight forwarder, transportation documentation, freight cost calculations, major ports of the world, and distribution methods. Create documents for product inspection, health/agricultural registrations, and hazardous materials shipments. Utilize actual documents, software, and resources necessary to effectively complete documentation required for international trade. Get introduced to supply chain management and inventory control.

- O 15008** **Shweiri G** **ONLINE** **08/22-10/17**
Fully Online Instruction. Students are required to log in 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 will be no instruction on-campus. There is no additional textbook cost for this ZTC class.

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 **ZTC**

Honors Courses:

 **HONORS**

BUS 116, GLOBAL MARKETING: SELLING AROUND THE WORLD 3.0 UNITS


Learn how to adapt marketing techniques to international markets, how to develop marketing strategies, and how to target markets based on the cultural, political and economic environments. Learn how to create forecasts and budgets for international markets.

 **15039** Ursuy C **ONLINE** 10/17-12/11
 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.

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.

 **15041** Carr 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. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is a \$20 material fee with no additional textbook cost.

15043 Shweiri G **ONLINE** 08/22-10/16
 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 a \$20 material fee with no additional textbook cost.

BUS 121, HUMAN RELATIONS AND ORGANIZATIONAL BEHAVIOR 3.0 UNITS

The role of the manager and management's relationship to employees. Includes the application of motivational theories, communications, leadership, and organizational structure.

15050 Kilroy M **ONLINE** 10/17-12/11
 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.

BUS 125, INTRODUCTION TO INTERNATIONAL BUSINESS 3.0 UNITS

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.


15052 Kowsari A **ONLINE** 10/17-12/11
 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.


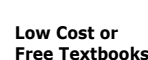


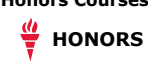





BUS 130, PERSONAL FINANCE 3.0 UNITS

This course is designed to empower individuals with various tools to manage their money and make sound lifelong financial decisions. Topics include financial planning, income and expense management, investment analysis, retirement planning, consumerism, insurance, estate planning, home ownership and credit management. This course uses financial, tax, and mathematical calculations. Students will take a hands-on approach to such learning and skill development with problem-solving assignments and projects that require them to explain information presented in tax forms and financial statements. They will also obtain the knowledge and skills required to convert financial information into portrayals that contribute to an understanding of present and future personal and family financial needs. Students will also be provided with opportunities to analyze and synthesize on documents and reports. They will develop the logical reasoning skills needed by informed and productive citizens. Moreover, instructors will (a) provide student-centered activity-based instruction, (b) emphasize the conceptual understanding and skills of mathematics and quantitative reasoning, and (c) facilitate the development of competence and confidence in problem-solving abilities.

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

 **14653** Strong 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.

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

BUS 140, PRINCIPLES OF FINANCE**3.0 UNITS**

An introduction to corporate financial management and the functioning of global financial markets. Includes financial planning and analysis, working capital management, capital budgeting, time value of money, risk analysis, capital markets, and long term financing.

O 14656

Hoekstra T

ONLINE

08/22-10/16

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

BUS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS**3.0 UNITS**

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

15115

8:35a-10:00a

M W

Garrison E

ZOOM

Full Semester

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.

O 15109

Davis 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.

O 15116

Davis K

ONLINE

08/22-10/16

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

O 15121

Garrison E

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.

O 15126

Sim J

ONLINE

10/17-12/11

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

BUS 170, PRINCIPLES OF SMALL BUSINESS MANAGEMENT**3.0 UNITS**

Practical business skills needed to start and operate a small business. Includes information on risk management, site location, legal aspects, financing, budgeting, merchandising, promotion, and management techniques.

O 15053

Kowsari 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.

BUS 222, BUSINESS WRITING**3.0 UNITS**

Overview of oral and written communication skills used in business. Emphasizes guidelines for improving writing and speaking skills, common solutions to common communication problems, ethical issues facing business communicators today, instructions on how to identify areas of legal vulnerability, and tested techniques for communicating successfully in today's high-tech, international business environment.

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

15057

10:05a-11:30a

M W

Ursuy C

A-203

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.

O 15071

Damon S

ONLINE

08/22-10/16

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

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

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

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

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

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

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

Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

O	15072		Damon S	ONLINE	10/17-12/11	
	Fully Online Instruction. Students are required to log in 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.					
	15073	6:00p-9:10p	W	Staff Staff	HYBRID A-207	10/17-12/11
	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.					
O	15074		Mostajeran Y	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.					

BUSINESS APPLICATIONS (BA)

BA 100, BUSINESS WRITING SKILLS

3.0 UNITS

Build essential business writing skills using best practices to write clear, effective, and professional content for documents. Course includes proper business usage of grammar, sentence structure, punctuation, vocabulary, writing strategies based on goals, content organization, and pre-writing. Professional training in written communications including email, memos, letters, and reports. Develop editing and proofreading skills for business projects including presentations, brochures, and online content.

O	14433		Finn E	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class. Online Degree Pathway course. Registration is open for all students.				

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.

O	14438		De la Torre-Reed L	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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.

O	14441		Nguyen K	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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 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.

O	14447		Skaggs T	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.				

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

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

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

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

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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

O 14448 **Skaggs T** **ONLINE** **10/17-12/11**
 Fully Online Instruction. Students are required to log in 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 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 letters, resumes, and reports. This course will prepare the student for the Microsoft Office Specialist (MOS) Word and Word Expert exams to earn industry recognized certifications to validate technical skills for employers.

Software Utilized: MS Word 2019

O 14449 **Morgan A** **ONLINE** **08/22-10/16**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

14452 **Morgan A** **HYBRID** **08/22-10/16**
11:20a-12:10p **M W** **Staff** **A-224**
 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

14454 **Morgan A** **HYBRID** **08/22-10/16**
1:40p-2:30p **M W** **Staff** **A-224**
 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

14455 **Morgan A** **HYBRID** **08/22-10/16**
11:20a-12:10p **Tu Th** **Staff** **A-224**
 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




14456 **Morgan A** **HYBRID** **08/22-10/16**
1:40p-2:30p **Tu Th** **Staff** **A-224**
 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

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) Outlook exam to earn an industry recognized certification to validate technical skills for employers.


O 14457 **Tayles K** **ONLINE** **10/17-12/11**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

BA 127, MICROSOFT TEAMS

2.0 UNITS


Learn how business professionals use all the features in Microsoft Teams for effective communication in modern workplaces and working remotely. Instruction includes effective collaboration, proper techniques in creating and managing private and public teams and channels, scheduling and managing virtual meetings and live events, team chat, video communication, webinars, file sharing management, setting permissions, handling security issues, and integrating with other Microsoft apps (Word, Excel, PowerPoint). Use practical scenarios to improve collaboration inside and outside of an organization and increase productivity.


 14458	Manzano M	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in 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.


 14461	3:30p-4:55p	W Th	Vargas C	ZOOM	Full Semester
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.					

 14459	6:30p-7:30p	Th	De la Torre-Reed L Staff	ONLINE 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.					

BA 131, BUSINESS INTERPRETATION AND TRANSLATION -SPANISH/ENGLISH

3.0 UNITS


Business Spanish and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to business, government, and education. Topics include proper translation of communications, industry terminology, forms, Individualized Educational Plan (IEP) form, social media, marketing, advertising, presentations, government documents, professional role, standards, and code of ethics. Fluency in Spanish and English is strongly recommended.

 14463	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 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.











 14464	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.

 14465	6:00p-9:10p	Th	De La Torre M	ZOOM	Full Semester
Fully Online Live Instruction. Live streaming instruction via Zoom during the days and times indicated. Students log in to Canvas. canvas.sac.edu . There will be no instruction on-campus. Online Degree Pathway course. Registration is open for all students.					

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

BA 140, INTRODUCTION TO VIETNAMESE BILINGUAL INTERPRETING**3.0 UNITS**

Introduction to Vietnamese and English bilingual skills for a career as an interpreter or translator. Learn about the various industries that employ bilingual skills to provide interpreting and translating services for business, medical, legal, government, and education. Course includes proper translation of industry terminology, written and verbal translation techniques, professional role, and code of ethics. Fluency in Vietnamese and English is strongly recommended.

O 14466**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.

BA 141, BUSINESS INTERPRETATION AND TRANSLATION - VIETNAMESE / ENGLISH**3.0 UNITS**

Business Vietnamese and English bilingual skills required for interpreters and translators to provide professional interpreting and translating services to business, government, and education. Topics include proper translation of communications, industry terminology, forms, Individualized Educational Plan (IEP) form, social media, marketing, advertising, presentations, government documents, professional role, standards, and code of ethics. Fluency in Vietnamese and English is strongly recommended.

O 14467**Nguyen F****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 146, COMPUTER FUNDAMENTALS**1.5 UNITS**

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

O 14468**Morgan A****ONLINE****10/17-12/11**

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

BA 147, MICROSOFT WINDOWS, ONEDRIVE & ONENOTE**1.5 UNITS**

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

Software Utilized: Windows 10

O 14472**Manzano M****ONLINE****10/17-12/11**

Fully Online Instruction. Students are required to log in 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.


O 14473**Strong N****ONLINE****10/17-12/11**

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

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


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.

 14474	Andrus E	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in 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.

 14475	8:00a-10:00a	Sa	Martin T	HYBRID	10/17-12/11
			Staff	G-TENN	
On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu There is no additional textbook cost for this ZTC class. Drones provided in class. First class meets in A-130. All other class meetings will be at the Tennis Courts.					


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.

 14477	10:30a-12:30p	Sa	Willens D	HYBRID	10/10-11/06
			Staff	A-130	
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 is no additional textbook cost for this ZTC class. Drones provided in class.					

BA 163, ADOBE ACROBAT**3.0 UNITS**


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







 14485			Dumon D	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students.					

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.

Software Utilized: Adobe Photoshop CC

 14492			Dumon D	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students.					

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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

O 14494

Dumon D

ONLINE

10/17-12/11

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

Registration is open for all students.

BA 170, ADOBE INDESIGN**3.0 UNITS**

Learn how to use Adobe InDesign to produce professional page layout projects such as brochures, newsletters, flyers, magazines, and books for print and web digital publications using current business standards and techniques. Topics include typography, paragraph and character styles, importing and linking graphics, integrating Photoshop and Illustrator files, applying color, master pages, frames, proper file setup, fixed-layout EPUB, prepress, and preflight. This course will prepare the student for the Adobe Certified Associate (ACA) exam to earn an industry-recognized certification.

Software Utilized: Adobe InDesign CC

O 14495

Finnell M

ONLINE

10/17-12/11

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

Registration is open for all students.

BA 171, ADOBE PREMIERE PRO**3.0 UNITS**

Learn to use Adobe Premiere Pro, the industry-leading video editing software, to create professional business and marketing video projects for web sites and social media. Learn with step-by-step, project-based lessons using all the tools and proper techniques based on current business standards. This course will prepare the student for the Adobe Certified Professional (ACP) Premiere Pro exam to earn an industry certificate to validate technical skills for employers.

O 14496

Dumon D

ONLINE

08/22-10/16

Fully Online Instruction. Students are required to log in 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 172, ADOBE AFTER EFFECTS**3.0 UNITS**

Learn how businesses today use After Effects software to create professional motion graphics for corporate presentations, company profiles, and marketing projects for web and social media. Step-by-step, project-based lessons on how to create, manipulate, and optimize motion graphics to grab your audience's attention with a high-quality intro video, animated slide show, or presentations of your business.

O 14497

Dumon D

ONLINE

10/17-12/11

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

BA 179, MICROSOFT OFFICE (WORD, EXCEL, POWER) POINT**3.0 UNITS**

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

Software Utilized: MS Office 2019

O 14498

Tayles 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. Online Degree Pathway course.

Registration is open for all students.

O 14499

Hagelbarger T

ONLINE

09/19-12/11

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

Registration is open for all students.

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

BA 182, GOOGLE APPS & GOOGLE DR**2.0 UNITS**

Build effective digital skills using Google Apps to create, edit, and share files. Work collaboratively and productively to complete common workplace activities using Google Docs, Sheets, Slides, Forms, Meet, and Hangouts. Use Google Drive to store, collaborate, and manage files and folders. Use Google Classroom to boost learning and collaboration between educators and students. Integrate with Microsoft Office apps and discuss other cloud apps including OneDrive and Dropbox. Course designed for business professionals, teachers, and students.

O 14504

Manzano M

ONLINE

10/17-12/11

Fully Online Instruction. Students are required to log in 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 188, MICROSOFT EXCEL**2.0 UNITS**

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

Software Utilized: MS Excel 2019

O 14506

Nguyen T

ONLINE

08/22-10/16

Fully Online Instruction. Students are required to log in 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 14507

Nguyen T

ONLINE

10/17-12/11

Fully Online Instruction. Students are required to log in 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 189, ADVANCED MICROSOFT EXCEL**2.0 UNITS**

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 to validate technical skills for employers.

Software Utilized: MS Excel 2019

O 14508

Nguyen T

ONLINE

10/17-12/11

Fully Online Instruction. Students are required to log in 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 190, MICROSOFT POWERPOINT**2.0 UNITS**

Learn the latest features and techniques in creating captivating business slide presentations. Beginning and experienced PowerPoint users will benefit from learning proper file setup and professional presentation tips using current business standards. Topics include slide transitions, animation, and inserting infographics, charts, tables, images, videos, and audio. This course will prepare the student for the Microsoft Office Specialist (MOS) PowerPoint exam to earn an industry recognized certification to validate technical skills for employers.

Software Utilized: MS PowerPoint 2019

14509

11:20a-12:10p

M W

Morgan A

HYBRID

10/17-12/11

Staff

A-224

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

14510

1:40p-2:30p

M W

Morgan A

HYBRID

10/17-12/11

Staff

A-224

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

14511

11:20a-12:10p

Tu Th

Morgan A

HYBRID

10/17-12/11

Staff

A-224

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

14512

1:40p-2:30p

Tu Th

Morgan A

HYBRID

10/17-12/11

Staff


A-224

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

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Free Textbooks OER ZTC

Honors Courses:

 HONORS

 14517	Morgan A	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.			

CHEMISTRY (CHEM)**CHEM 115, CONCEPTS IN PHYSICAL SCIENCES FOR EDUCATORS****4.0 UNITS**

An investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. Designed for non-science majors, concepts are introduced in lab through inquiry and further developed during discussion.

14195	10:05a-1:05p	M	Pratt C	SC-316	Full Semester
	10:05a-1:05p	W	Pratt C	SC-316	

CHEM 209, INTRODUCTORY CHEMISTRY**4.0 UNITS**

Basic concepts of matter: atomic structure, formulas, equation writing, nomenclature, gases and kinetic theory. Emphasizes properties of solutions, and the mole concept in quantitative chemistry. Prepares students for biology and Chemistry 219.

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

14217	8:30a-11:30a	F	Khong S	SC-308	Full Semester
	12:00p-3:00p	F	Khong S	SC-326	
14366	10:05a-11:30a	M W	Fimbres M	SC-308	Full Semester
	6:55a-9:55a	W	Fimbres M	SC-326	
14204	1:15p-2:40p	M W	Fimbres M	SC-113-1	Full Semester
	10:05a-1:05p	M	Littlejohn S	SC-326	
14205	1:15p-2:40p	M W	Fimbres M	SC-113-2	Full Semester
	10:05a-1:05p	W	Littlejohn S	SC-326	
14216	1:15p-2:40p	Tu Th	Trieu T	SC-308	Full Semester
	10:05a-1:05p	Th	Trieu T	SC-326	
14207	4:25p-5:50p	M W	Carlson M	SC-308	Full Semester
	1:15p-4:15p	M	Carlson M	SC-326	
14210	4:25p-5:50p	Tu Th	McAdam J	SC-308	Full Semester
	1:15p-4:15p	Th	McAdam J	SC-326	
14215	7:35p-10:35p	M	Yamada T	SC-308	Full Semester
	7:35p-10:35p	W	Yamada T	SC-326	
14208			Jenkins C	HYBRID	Full Semester
	10:05a-1:05p	Tu	Jenkins C	SC-326	

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

14211			Littlejohn S	HYBRID	Full Semester
	4:25p-7:25p	Tu	Trieu T	SC-316	

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

14213			Littlejohn S	HYBRID	Full Semester
	4:25p-7:25p	Th	Nguyen F	SC-316	


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


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.


CHEM 209 and MATH 083 or MATH 084: Chemistry 209 and Mathematics 083 or Mathematics 084 with a minimum grade of C.


14220	10:15a-12:20p	M W	Raval G	SC-113-1	Full Semester
	6:55a-9:55a	W	Pratt C	SC-317	

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

SANTA ANA COLLEGE – FALL 2022 Page 71

14221	10:15a-12:20p 6:55a-9:55a	M W M	Raval G Raval G	SC-113-2 SC-317	Full Semester
14218	5:20p-7:25p 7:35p-10:35p	Tu Th Tu	Lagoykina S Lagoykina S	SC-113-1 SC-317	Full Semester
14219	5:20p-7:25p 7:35p-10:35p	Tu Th Th	Lagoykina S Lagoykina S	SC-113-2 SC-317	Full Semester

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.

14222	8:30a-9:55a 10:05a-1:05p	M W M W	Nguyen W Nguyen W	SC-208 SC-311	Full Semester
14225	11:40a-1:05p 1:15p-4:15p	Tu Th Tu Th	Littlejohn S Littlejohn S	SC-308 SC-311	Full Semester
14226	2:50p-4:15p 4:25p-7:25p	Tu Th Tu Th	Tran V Tran V	SC-308 SC-311	Full Semester
14223	5:00p-6:25p 1:15p-4:15p	M W M W	Visco L Law D	SC-113-1 SC-311	Full Semester
14224	5:00p-6:25p 7:00p-10:00p	M W M W	Visco L Visco L	SC-113-2 SC-311	Full Semester

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.

14306	8:30a-9:55a 10:05a-1:05p	Tu Th Tu Th	McAdam J McAdam J	SC-208 SC-317	Full Semester
14304	1:15p-2:40p 10:05a-1:05p	M W M W	McAdam J McAdam J	SC-308 SC-317	Full Semester

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.

14353	8:30a-9:55a 10:05a-1:05p	Tu Th Tu Th	Nguyen W Nguyen W	SC-308 SC-320	Full Semester
14358	8:30a-9:55a 10:05a-1:05p	M W M W	Jenkins C Jenkins C	SC-308 SC-320	Full Semester
14360	6:00p-7:25p 7:35p-10:35p	Tu Th Tu Th	Yamada T Yamada T	SC-308 SC-320	Full Semester

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.

14361	2:50p-4:15p 4:25p-7:25p	M W M W	Jenkins C Jenkins C	SC-308 SC-320	Full Semester
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O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

CHICANO STUDIES (CHST)

CHST 150, INTRODUCTION TO CHICANA/CHICANO STUDIES

3.0 UNITS

This course introduces the field of Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicana Xicana Studies. It is designed to acquaint students with the most significant social, political, economic, and historical aspects of the Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicana Xicana experience in the United States. A trans-disciplinary, multisectoral, and multidimensional approach will be employed to study Chicanas/Chicanos/Chican@s/Chicanxs/Xicanas/Xicano s/Xicanxs various experiences and their contributions to American society and culture. This course will critically analyze the societal context in which the Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicana Xicana have sought to maintain their culture. This course is designed to present a foundation in Chicana/Chicano/Chican@/Chicanx/Xicana/Xicana/Xicana Xicana Studies.

14180	6:30p-9:40p	Th	Gonzalez T	D-213	Full Semester
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14172			Valles R	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

14173			Valles R	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

14174			Valles R	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

14175			Valles R	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

CHILD DEVELOPMENT (CDEV)

CDEV 107, CHILD GROWTH AND DEVELOPMENT (DS1)

3.0 UNITS

This course examines the major physical, cognitive, social and emotional developmental milestones for children, from conception through adolescence. Emphasis on interactions between maturational processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories. (No credit if a student has taken Psychology 157.)

15611	8:35a-10:00a	M W	Lamourelle C	ZOOM	Full Semester
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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. 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.

15614	8:35a-10:00a	Tu Th	Cota V	I-102	Full Semester
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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.

15612	10:20a-11:45a	M W	Lamourelle C	ZOOM	Full Semester
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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. 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.

15613	2:30p-4:00p	W	Navarro M	ZOOM	Full Semester
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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. 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.

15615	6:00p-8:30p	Th	Lamourelle C	ZOOM	09/19-12/11
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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. 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:

HONORS

	15606	Hardy M	ONLINE	09/05-10/16
	Fully Online Instruction. Students are required to log in 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.			
	15607	Hardy M	ONLINE	09/26-11/06
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. 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.			
	15608	Hardy M	ONLINE	10/24-11/17
	Fully Online Instruction. Students are required to log in 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.			
	15609	Kimmel M	ONLINE	08/29-10/16
	Fully Online Instruction. Students are required to log in 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.			
	15610	Kimmel M	ONLINE	10/17-12/04
	Fully Online Instruction. Students are required to log in 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 108, OBSERVATION AND ASSESSMENT FOR EARLY LEARNING AND DEVELOPMENT (DS3) 3.0 UNITS




Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed along with strategies for collaboration with families and professionals.


CDEV 107: *Child Development 107 with a minimum grade of C. By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health is required.*


15617	8:35a-11:45a	Tu	Lamourelle C	ZOOM	Full Semester
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.					
15616	6:00p-8:00p	M	Cox K	HYBRID	Full Semester
			Staff	V-150	
On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu					

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


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


	15618	Nunez Y	ONLINE	Full Semester
	6:30p-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.			
	15619	Trahan Grissom L	HYBRID	Full Semester
	3:30p-5:00p	Th	Staff	V-150
	On-Campus Hybrid Instruction. A combination of on-campus meetings during the days and times indicated and online instruction. Students log in to Canvas. canvas.sac.edu			
	15620	Norton J	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.			

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

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

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

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

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


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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

O 15621 Norton J ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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 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. Students will explore the evolution of professional practices promoting advocacy, ethics, and professional identity. Students will be required to complete a minimum of 30 hours in an early childhood lab school setting.

CDEV 108 and CDEV 110: Child Development 108 and Child Development 110 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.

15622 Seneviratne A HYBRID 08/22-10/16
6:00p-9:00p Th Staff V-150

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

O 15623 Seneviratne A ONLINE 08/22-10/16
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.

CDEV 111B, INTRODUCTION TO CURRICULUM FOR YOUNG CHILDREN 3.0 UNITS
Developmentally appropriate curriculum and environments for children birth through age eight. Students will use knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice to plan environments and curriculum in all content areas to support children's development and learning integrated throughout the indoor and outdoor settings. Students will be required to complete a minimum of 30 hours in an early childhood lab school setting.

CDEV 108 and CDEV 111A: Child Development 108 and Child Development 111A with a minimum grade of C. By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health is required.

15624 Mc Innish A HYBRID 10/17-12/11
6:00p-9:00p Th Staff V-150

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

15625 Mc Innish A ONLINE 10/17-12/11
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.

CDEV 112, HEALTH, SAFETY, AND NUTRITION FOR CHILDREN 3.0 UNITS
Laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in care and education settings for children birth through middle childhood. Includes the teacher's role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management.

Prerequisite: By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health is required.

O 15626 Vargas 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.

O 15627 Vargas R ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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

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

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

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

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

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

Low Cost or Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

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.

O 15628**Staff****ONLINE****10/17-12/11**

Fully Online Instruction. Students are required to log in 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 116A, INFANT/TODDLER GROWTH AND DEVELOPMENT (DS4)**3.0 UNITS**

A study of infants and toddlers from conception to age three including physical, cognitive, language, social, and emotional growth and development. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development.

CDEV 107 and CDEV 108: Child Development 107 and Child Development 108 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.

15629**King T****ONLINE****08/22-10/16****6:30p-8:30p****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.

CDEV 116B, CARE AND EDUCATION FOR INFANTS AND TODDLERS (DS3)**3.0 UNITS**

Applies current theory and research to the care and education of infants and toddlers in group settings. Examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months.

Prerequisite: Child Development 107, Child Development 108, and Child Development 116A with a minimum grade of C or concurrent enrollment in Child Development 116A. By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.

15630**King T****ONLINE****10/17-12/11****6:30p-8:30p****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.

CDEV 120A, DEVELOPMENT OF THE SCHOOL AGE CHILD (DS5)**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 diversity issues. Not offered every semester.

15631**Salmond M****HYBRID****Full Semester****8:00a-9:00a****Th****Staff****CYHS**

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

CDEV 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 related to the growth and development of children and developmentally appropriate practices. Emphasis will be on basic knowledge and practice within a wide variety of current and emerging technologies and will focus on how to integrate them into the learning environment.

O 15632**Naman T****ONLINE****09/19-10/16**

Fully Online Instruction. Students are required to log in 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.

15633**Pruznick J****ONLINE****Full Semester****4:15p-5:30p****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.

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

15634 Becerra C ONLINE 09/19-12/11

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 206, CURRICULUM AND INTERVENTION STRATEGIES FOR CHILDREN WITH SPECIAL NEEDS **3.0 UNITS**

This course focuses on curriculum and intervention strategies for supporting young children's individual needs in partnership with their families. Focuses on the use of observation and assessment to meet children's individualized needs in inclusive and natural environments. Includes the role of the teacher as an intentional teacher and professional working with families, collaboration with interdisciplinary teams, and cultural competence.

CDEV 205: Child Development 205 with minimum grade of C.

O 15635 Kass D ONLINE 10/17-12/11

Fully Online Instruction. Students are required to log in 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 215, ADMINISTRATION I: PROGRAMS IN EARLY CHILDHOOD EDUCATION (DS6) **3.0 UNITS**

This course is an introduction to the administration of early childhood programs. Students will learn about program types, budget, management, regulations, laws, development and implementation of policies and procedures. Additionally, they will examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program.

15636 Nguyen L ONLINE Full Semester

6:00p-8:30p 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.

CDEV 216, ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD EDUCATION (DS6) **3.0 UNITS**

This course provides effective strategies for personnel management and leadership in early care and education settings. Students will learn about legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program.

15637 Deusenberry J ONLINE 10/17-12/11

6:00p-8:30p 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.

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.

O 15638 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.

O 15639 Trahan Grissom L ONLINE 09/19-12/11

Fully Online Instruction. Students are required to log in 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 221, LIVING AND TEACHING IN A DIVERSE SOCIETY **3.0 UNITS**

Examines the impact of various societal influences on the development of children's personal and social identity. Covers developmentally appropriate, inclusive, culturally relevant, and anti-bias approaches. Self-examination and reflection on issues related to social identity, stereotypes, and biases will be explored.

O 15640 Becerra C ONLINE 08/22-10/16

Fully Online Instruction. Students are required to log in 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 15641 Seneviratne A ONLINE 10/17-12/11

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

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

CDEV 229, BRAIN DEVELOPMENT AND LEARNING**2.0 UNITS**

This class explores the development of the brain for children from birth through adolescence, and how behavior and learning are affected. Brain-based learning strategies will be used to teach new ways of approaching learning including how to understand diverse learning styles. This course is designed for educators, parents, and students who are interested in knowing more about how the brain operates and how environment affects the brain.

O 15642

Lamourelle C

ONLINE

10/24-12/04

Fully Online Instruction. Students are required to log in 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 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.

O 15643

Kimmel M

ONLINE

08/22-10/16

Fully Online Instruction. Students are required to log in 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 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. In addition, students will identify strategies to help teachers effectively use intentional, child-focused, and content-driven curriculum. Students will also learn to be responsive to cultural diversity, English-language learners, and the unique needs of families.

Prerequisite: By the 1st week of the class, verification of the state-mandated Tdap vaccination, MMR immunization, flu vaccine, negative TB test, and statement of good health will be required.

O 15644

Lamourelle C

ONLINE

Full Semester

6:00p-9:10p

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.

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.

15645

6:00p-8:05p

Tu

Hardy M

V-151

Full Semester

Section 15645 has 6 hours arranged per semester.

15646

6:00p-8:05p

Tu

Mc Innish A

V-151

Full Semester

Section 15646 has 6 hours arranged per semester.

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.

15647

6:00p-8:05p

Tu

Hardy M

V-151

Full Semester

Section 15647 has 6 hours arranged per week.

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.

Open Entry / Open Exit

15648

Salmond M

Full Semester

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

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

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Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

CHINESE (CHNS)

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 social linguistic knowledge appropriate to Chinese-speaking societies.

O 13866 Satow 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.

COMMUNICATION STUDIES (CMST)

CMST 100, INTRODUCTION TO COMMUNICATION STUDIES

3.0 UNITS

This course explores the basic history, assumptions, principles, processes, variables, methods, and specializations of human communication as an academic field of study. The student develops an understanding of the communication process, the basic elements of improving interpersonal communication, and how to reduce communication apprehension. Also included are leadership, small groups, intercultural communication, interviewing, and speech preparation. This course includes oral presentations, rhetorical theory, and communication theories.

15540 10:00a-1:10p Tu Th Labreau K C-213 08/22-10/16

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.

15487 11:40a-1:05p M W Cummings R 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 Zero Textbook Cost (ZTC) class.

15708 11:40a-1:05p Tu Th Saterfield K C-214 Full Semester

15479 7:30p-10:40p M W Bugrov M I-103 10/17-12/11

15715 7:35p-10:35p M Sifuentes M 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 Zero Textbook Cost (ZTC) class.

O 15483 Carrell K ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in 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 15488 Cummings R ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

O 15489 Cummings R ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

O 15534 Labreau K ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.

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

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

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

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

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

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

Low Cost or Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

O	15538	Labreau K	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.			
O	15688	Pierce C	ONLINE	08/22-09/18
	Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.			
O	15702	Saterfield K	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in 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	15711	Saterfield K	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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	15719	Jones C	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.			

CMST 101H, HONORS INTRODUCTION TO INTERPERSONAL COMMUNICATION**3.0 UNITS**

Introduction to communication theory, rhetoric, listening, perception, language usage, non-verbal communication and conflict management. An enriched approach designed for honors students. Seminar mode stresses the development of analytical thinking, writing, and speaking skills.

O	15863	Labreau K	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (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.


15527	6:55a-8:20a	Tu Th	Jones C	C-214	Full Semester
15531	6:55a-8:20a	M W	Staff	C-214	Full Semester
15491	8:30a-9:55a	M W	Cummings R	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 Zero Textbook Cost (ZTC) class.				
15694	8:30a-9:55a	Tu Th	Rehm D	C-202	Full Semester
15490	10:05a-11:30a	M W	Cummings R	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 Zero Textbook Cost (ZTC) class.				
15551	10:05a-1:25p	Tu Th	Labreau K	C-213	10/17-12/11
	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 Zero Textbook Cost (ZTC) class.				
15664	10:05a-11:30a	M W	Lopez R	C-202	Full Semester
15684	10:05a-11:30a	Tu Th	Pierce C	C-207	Full Semester
	ULINK Program Section: 15684-CMST-102 is linked to Section: 13573-CNSL-107. Enrollment in both sections is mandatory. 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 Zero Textbook Cost (ZTC) class.				
15486	11:40a-1:05p	M W	Carrell K	A-213	Full Semester
15663	11:40a-1:05p	M W	Lopez R	C-213	Full Semester
15492	1:15p-4:15p	Tu	Fondren S	C-202	Full Semester


Public Speaking for Veterans


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


SANTA ANA COLLEGE – FALL 2022 Page 80


15473	2:50p-4:15p	M W	Ayala E	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 Zero Textbook Cost (ZTC) class.					
15493	6:30p-9:50p	M W	Fondren S	C-207	08/22-10/16
 15544			Labreau K	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.					
 15546			Labreau K	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.					
 15554			Lockwood L	ONLINE	08/22-09/18
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 15555			Lockwood L	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 15557			Lockwood L	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 15558			Lockwood L	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 15669			Pierce C	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class					
 15683			Pierce C	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.					
 15690			Rehm D	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 15692			Rehm D	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 15693			Rehm D	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 15718			Kanal N	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (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

 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, cross cultural, and interracial communication. Stresses the development of analytical thinking, speaking, and writing skills.

15695 **10:05a-12:35p** **Tu Th** **Rehm D** **C-202** **08/22-10/16**
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 Zero Textbook Cost (ZTC) class.

15713 **10:05a-11:30a** **Tu Th** **Saterfield K** **C-214** **Full Semester**

15720 **4:25p-7:25p** **M** **Sifuentes M** **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 Zero Textbook Cost (ZTC) class.

O **15712** **Saterfield K** **ONLINE** **10/17-12/11**

Fully Online Instruction. Students are required to log in 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 **15818** **Sifuentes M** **ONLINE** **10/17-12/11**

Fully Online Instruction. Students are required to log in 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 Zero Textbook Cost (ZTC) class.

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.

15660 **8:30a-9:55a** **M W** **Lockwood L** **C-207** **Full Semester**

15658 **10:05a-11:30a** **M W** **Lockwood L** **C-207** **Full Semester**

O **15659** **Lockwood L** **ONLINE** **08/22-10/16**

Fully Online Instruction. Students are required to log in 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 **15662** **Lockwood L** **ONLINE** **10/17-12/11**

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

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.

15671 **11:40a-1:05p** **Tu Th** **Pierce C** **C-202** **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 Zero Textbook Cost (ZTC) class.

15494 **1:15p-4:15p** **W** **Fondren S** **C-214** **Full Semester**

15518 **6:40p-9:50p** **M W** **Fondren S** **C-207** **10/17-12/11**

O **15681** **Pierce C** **ONLINE** **08/22-10/16**

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

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

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. Designed for individuals who have special demands on vocal production in their vocation.

15520 **6:40p-9:50p** **Tu** **Fondren S** **C-207** **Full Semester**

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

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

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

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

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


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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

CMST 152, ORAL INTERPRETATION

3.0 UNITS

Experiencing literature through reading and oral interpretation of prose, poetry and drama. Theory and practice in the art and technique of exploring, illuminating and orally presenting the logical, emotional, and aesthetic meanings of creative literature, and of effective delivery. Not offered every semester.

15699 10:05a-12:35p Tu Th Rehm D C-202 10/17-12/11

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 Zero Textbook Cost (ZTC) class.

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.

15411 10:05a-11:30a M W Bennett S A-130 Full Semester

 15405 Bennett 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.

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.

15413 10:05a-11:30a Tu Th Staff A-210 Full Semester

 15414 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.

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.

15415 Staff HYBRID Full Semester

4:25p-5:50p M Staff C-207

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

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.

15419 12:35p-2:40p M W Bennett S C-207 Full Semester

11 hours 15 minutes arranged per week.

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 Communications & 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.


15454 1:15p-3:20p M W Bennett S C-207 Full Semester


11 hours 15 minutes arranged per week.


 **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:

 HONORS

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 Communications & Media Studies 123B required. Arranged laboratory hours (TBA)10 per week

Prerequisite: Communications & Media Studies 123B with a minimum grade of C or equivalent college media course.

15456	1:15p-3:20p	M W	Bennett S	C-207	Full Semester
11 hours 15 minutes arranged per week.					

CMSD 160, INTRODUCTION TO PHOTOJOURNALISM**3.0 UNITS**

Explores the photographer as a journalist, focusing on theory and practice in press and publications photography, with emphasis on using the camera as a reporting and communications tool. Stresses news, feature photography, and photographic essays, including composition, impact, and creativity, for newspapers, magazines, the internet, and other mass communications media.

15980			Schlossman J	HYBRID	Full Semester
	4:25p-5:50p	Tu	Staff	A-219	

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

CMSD 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.

15459	1:15p-3:20p	M W	Bennett S	C-207	Full Semester
1 hour 15 minutes arranged per week.					

CMSD 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.

15463	1:15p-3:20p	M W	Bennett S	C-207	Full Semester
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CMSD 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.

15465	1:15p-3:20p	M W	Bennett S	C-207	Full Semester
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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

15127	10:20a-11:45a	M W	Staff	ZOOM	Full Semester
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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. There will be no instruction on-campus.

	15130	6:00p-9:10p	Tu	Sim J	A-206	Full Semester
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This class meets on-campus.


	15131			Gadalla A	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


	15132			Quach N	ONLINE	08/22-10/16
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course.


Registration is open for all students.

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

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

- O** 15133 **Gadalla A** **ONLINE** **10/17-12/11**
Fully Online Instruction. Students are required to log in 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** 15136 **Nguyen H** **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.

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

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

Open Entry / Open Exit

- O** 15140 **Nguyen H** **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.
- O** 15142 **Nguyen H** **ONLINE** **10/17-12/11**
Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.

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

- 15143 6:00p-9:10p Tu **Huynh D** A-215 **Full Semester**
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

- 15145 10:20a-11:45a M W **Quach N** A-208 **Full Semester**
This class meets on-campus.

CMPR 113, ADVANCED JAVA 3.0 UNITS

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

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

- 15147 6:00p-9:10p M **Quach N** ZOOM **Full Semester**
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 114, PYTHON PROGRAMMING 3.0 UNITS

Students will be introduced to the syntax of Python, the methods used to incorporate Python into creating business applications, and using Python to create interactive forms. Students will also learn to enhance Business Applications through the use of Interactive Programming utilizing forms, objects, looping constructs, variables, classes and the use of various data-types.

- 15149 6:00p-9:10p Tu **Sim J** A-206 **Full Semester**
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.

- 15157 8:00a-9:25a Tu Th **Quach N** A-208 **Full Semester**
9:25a-9:55a Tu Th **Quach N** A-208
This class meets on-campus.

- O** **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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Low Cost or
Free Textbooks

 **OER**

 **ZTC**



Honors Courses:

 **HONORS**

SANTA ANA COLLEGE – FALL 2022 Page 85

15154	10:20a-11:45a	M W	Hester B	A-215	Full Semester
	11:45a-12:15p	M W	Hester B	A-215	
			This class meets on-campus.		
15161	6:00p-9:10p	W	Kirscher J	A-215	Full Semester
	9:10p-10:10p	W	Kirscher J	A-215	
			This class meets on-campus.		
15171	6:00p-9:10p	Tu	Quach N	ZOOM	Full Semester
	9:10p-10:10p	Tu	Quach N	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.

 15173			Aziz 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.				
 15176			Hester 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.				

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

15185	10:20a-11:45a	Tu Th	Quach N	A-208	Full Semester
	11:45a-12:15p	Tu Th	Quach N	A-208	
			This class meets on-campus.		

CMPR 123, INTRODUCTION TO IT AND CYBERSECURITY**0.5 UNIT**

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.

 15186			Nguyen H	ONLINE	08/22-09/18
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.				
 15187			Nguyen H	ONLINE	10/17-11/13
	Fully Online Instruction. Students are required to log in 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 125, IT HELP DESK FUNDAMENTALS**3.0 UNITS**

An introductory course focused on learning IT technical skills with hands-on experience required for entry level IT Help and Service Desk jobs. IT help desk soft skills include effective communication, analytical thinking, diplomacy, problem solving, leadership, team building, and listening skills. Students will become familiar with working in a help desk or service desk environment using ticketing systems and understanding purpose and organization. Aligns with the CompTIA ITF+ (IT Fundamentals) exam objectives.

15188			Staff	HYBRID	08/22-10/16
	6:00p-9:00p	W	Staff	A-213	

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 129, INTRODUCTION TO COMPUTER ORGANIZATION**4.0 UNITS**



Presents the organization and structure of computers at hardware and software levels: analysis and synthesis of combinatorial and sequential logic, data representation and manipulation, language structures and translation, and process administration and management. Recommended preparation: Computer Science 121 or equivalent.

Prerequisite: Computer Science 120 with a minimum grade of C.

Software Utilized: Pep8

15189	6:00p-10:15p	Th	Kirscher J	A-215	Full Semester
			This class meets on-campus.		

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

Low Cost or
Free Textbooks
 **OER**
 **ZTC**
Honors Courses:
 **HONORS**

SANTA ANA COLLEGE – FALL 2022 Page 86**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

15190 **11:55a-1:20p** **M W** **Quach N** **A-208** **Full Semester**
This class meets 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, desk top management, and utilization of cloud storage.

15191 **6:00p-9:10p** **W** **Sim J** **HYBRID** **10/17-12/11**
Staff **A-206**

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 138, COMPTIA NETWORK+ GUIDE TO NETWORKS**3.0 UNITS**

This course trains students to install, configure, and troubleshoot a computer network by applying best practices with networking protocols, media, topologies such as TCP/IP, Ethernet, wireless transmission, physical and virtual infrastructure, security, cloud computing, and troubleshooting enterprise networks. Students will be prepared to take the CompTIA Network+ certification exam.

15193 **6:00p-9:10p** **Tu** **Staff** **A-214** **Full Semester**
This class meets on-campus.

CMPR 139, INTRODUCTION TO CLOUD COMPUTING**3.0 UNITS**

This course will prepare and train students to deploy and automate secure cloud environments that support the high availability of business systems and cloud-based infrastructure services in the context of broader IT systems operations, regardless of the platform. Covers CompTIA Cloud+, Amazon AWS, and Microsoft Azure.

 **15196** **Nguyen H** **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.

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.

15197 **1:40p-3:05p** **M W** **Sweeney G** **ZOOM** **Full Semester**
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 153, A+ ESSENTIALS HARDWARE**3.0 UNITS**

The A+ Essentials Hardware course maps to the current CompTIA A+ Core 1 exam objectives. This course covers topics related to installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing computer hardware & network troubleshooting, mobile devices, networking, security, virtualization & cloud computing, and operational procedures from basic personal computer hardware to IT infrastructure for business. Lectures and hands-on experience in structured labs are included. The A+ Essentials Hardware course teaches necessary competencies for an entry-level IT professional.


15198 **6:00p-9:10p** **M** **Nguyen H** **HYBRID** **08/22-10/16**
Staff **A-216**


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


 **15201** **Sim J** **ONLINE** **08/22-10/16**
Fully Online Instruction. Students are required to log in 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

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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.

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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: MSvΩAccess 2016

O 15202

Sim J

ONLINE

10/17-12/11

Fully Online Instruction. Students are required to log in 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.

15203

6:00p-9:10p

Th

Staff

A-214

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 social/cultural conditioning and explore successful strategies for living in a diverse society.

13487

8:50a-9:55a

Tu Th

Staff

I-101

Full Semester

PUENTE students only Section: 13487, CNSL-100 is linked to Section:XXXXX, ENG 101. Enrollment in both sections is mandatory.

13484

10:05a-12:10p

M

Staff

ZOOM

Full Semester

Remote Live. Students attend live streamed meetings on Canvas during the scheduled days and times. canvas.sac.edu. There will be no instruction on-campus.

13485

10:05a-12:10p

M

Staff

I-108

Full Semester

13494

10:05a-12:10p

Th

Staff

I-108

Full Semester

13496

10:05a-12:10p

F

Staff

I-101

Full Semester

13486

1:15p-3:20p

M

Staff

I-108

Full Semester

13490

1:15p-3:20p

W

Staff

I-209

Full Semester

13488

5:20p-7:25p

Tu

Staff

I-101

Full Semester

13492

5:20p-7:25p

W

Staff

I-209

Full Semester

13495

5:20p-7:25p

Th

Staff

I-108

Full Semester

O 13460

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

O 13462

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

O 13464

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

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

Honors Courses:

 HONORS

- O 13465** **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. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.
- O 13466** **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. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.
- O 13468** **Staff** **ONLINE** **Full Semester**
NURSING Fully Online Instruction. Students are required to log in 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.
- O 13469** **Staff** **ONLINE** **09/19-12/11**
LATE START (12th week) Fully Online Instruction. Students are required to log in 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.
- O 13470** **Staff** **ONLINE** **10/17-12/11**
2nd 8 weeks Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CNSL 104, PERSONAL AND GOAL DEVELOPMENT FOR EDUCATIONAL PLANNING **1.0 UNIT**

This course will facilitate the development of goals for educational planning. Students taking this course will receive an overview of graduation requirements, transfer requirements, academic policies, and college resources. Additional topics will include: student development theory, internal and external influences on educational success, purpose for attending college, and strategies for living a balanced life.

13497 **10:05a-10:55a** **F** **Staff** **A-207** **Full Semester**
MESA students only

CNSL 107, THE FRESHMAN EXPERIENCE **3.0 UNITS**

Integration of educational, socio-economic, and psychological factors that contribute to success in college. Development of personal learning style as it interfaces with the linked college classes. Development of college-level learning skills.


13501 **1:15p-4:15p** **W** **Staff** **A-130** **Full Semester**
ULINK Program Section: 13501-CNSL-107 is linked to Section: 13904-ENG-101. Enrollment in both sections is mandatory. 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.


13573 **1:15p-4:15p** **W** **Staff** **I-107** **Full Semester**
ULINK Program Section: 13573-CNSL-107 is linked to Section: 15684-CMST-102. Enrollment in both sections is mandatory. 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.

13574 **1:15p-4:15p** **W** **Staff** **I-108** **Full Semester**
ULINK Program Section: 13574-CNSL-107 is linked to Section: 14006-ENG-101H and 14451-ANTH-100H. Enrollment in all sections is mandatory. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


- O** **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times
- OL** **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom
- H** **HYBRID:** On-Campus Hybrid Instruction - A combination of on-campus meetings and online instruction
- VH** **VIRTUAL HYBRID:** Virtual Hybrid Instruction - A combination of live streaming Zoom meetings and online instruction
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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

CNSL 114, CAREERS IN TEACHING

1.0 UNIT

Introduction to the teaching profession, culturally diverse student populations, career ladders and options, academic preparation, experience, credentials required for employment, utilizing career assessments, principles of goal setting, and exposure to teaching environments and teaching professionals. Students will formulate a career objective and develop an educational plan.

O 13588 **Staff** **ONLINE** **10/17-12/11**
 2nd 8 weeks Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

CNSL 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION

3.0 UNITS

This course is designed to assist students in successfully establishing and achieving their education, career, and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills, and learning styles. Career and educational options are researched, and students are exposed to college resources and support services. Decision-making models and goal-setting techniques are examined and will be used to develop short and long term education, and career and life plans.

Material Fee(s): \$16.00




13595	10:05a-11:30a	M W	Staff	ZOOM	Full Semester
Material Fee: \$16.00 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.					
13597	10:05a-11:30a	Tu Th	Staff	ZOOM	Full Semester
Material Fee: \$16.00 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.					
13599	10:05a-1:05p	F	Staff	ZOOM	Full Semester
Material Fee: \$16.00 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.					
13602	10:05a-11:30a	M W	Staff	I-206	Full Semester
Material Fee: \$16.00					
13604	10:05a-11:30a	Tu Th	Staff	I-202	Full Semester
Material Fee: \$16.00					
13607	10:05a-1:05p	F	Staff	I-202	Full Semester
Material Fee: \$16.00					
13605	11:40a-1:05p	Tu Th	Staff	I-206	Full Semester
Material Fee: \$16.00					

O 13575 **Staff** **ONLINE** **Full Semester**
 Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 13576 **Staff** **ONLINE** **09/19-12/11**
 Late Start - 12th week Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 13577 **Staff** **ONLINE** **10/03-12/11**
 Late Start - 10th week Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 13579 **Staff** **ONLINE** **08/22-10/16**
 1st 8 weeks Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

O	13580	Staff	ONLINE	08/22-10/16
	1st 8 weeks Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			
O	13582	Staff	ONLINE	08/22-10/16
	1st 8 weeks Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			
O	13583	Staff	ONLINE	10/17-12/11
	2nd 8 weeks Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			
O	13585	Staff	ONLINE	10/17-12/11
	2nd 8 weeks Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			
O	13586	Staff	ONLINE	10/17-12/11
	2nd 8 weeks Material Fee: \$16.00 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			

CNSL 121, INTRODUCTION TO STEM STUDY SKILLS**1.0 UNIT**

This course is designed to introduce specialized study techniques for students in science, technology, engineering, and math courses. Effective learning processes will be examined through facilitated, structured peer interaction; strategies for complex problem solving; time management; and overcoming obstacles to achievement in rigorous coursework.

13610	11:10a-12:00p	F	Staff	A-207	Full Semester
MESA students only					

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.

13611	10:05a-1:05p	M	Staff	I-202	Full Semester
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O	13667	Staff	ONLINE	08/22-10/16
	1st 8 weeks Fully Online Instruction. Students are required to log in 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	13668	Staff	ONLINE	08/22-10/16
	1st 8 weeks Fully Online Instruction. Students are required to log in 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	13669	Staff	ONLINE	08/22-10/16
	1st 8 weeks Fully Online Instruction. Students are required to log in 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	13670	Staff	ONLINE	10/17-12/11
	2nd 8 weeks Fully Online Instruction. Students are required to log in 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	13672	Staff	ONLINE	10/17-12/11
	2nd 8 weeks Fully Online Instruction. Students are required to log in 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	13673	Staff	ONLINE	10/17-12/11
	2nd 8 weeks Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.			

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**



Honors Courses:

 **HONORS**

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.

	13675	1:15p-4:15p	W	Staff	I-202	Full Semester
	13676			Staff	ONLINE	08/22-10/16
	1st 8 weeks Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
	13677			Staff	ONLINE	10/17-12/11
	2nd 8 weeks Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					

CNSL 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.

	13681	10:05a-1:05p	F	Staff	I-108	Full Semester
	13678	4:25p-7:25p	W	Staff	I-206	Full Semester

CNSL 170, HUMAN SERVICES/SOCIAL WORK RELATED FIELD EXPERIENCE SEMINAR

1.0 UNIT


In conjunction with the required corequisite work experience course, students will gain insight about their future role as a Human Services/Social Work practitioner through discussion, problem-solving, reflection, and evaluation with self, instructor, supervisor, and peers. Ethical, legal, professional, and social justice issues in the field of Human Services/Social Work will be addressed. Prerequisite: Counseling 150 with a minimum grade of C.

	13683			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.					

CNSL 175, HUMAN SERVICES/SOCIAL WORK RELATED FIELD EXPERIENCE

1.0 - 4.0 UNITS

This work experience course consists of supervised employment within a community organization, agency, or institution within Human Services/Social Work. It is designed to assist students in acquiring desirable work habits, attitudes, skills, and career awareness in a field related to Human Services. Application of prior knowledge and new skill development will be embedded. 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. Prerequisite: Counseling 150 with a minimum grade of C.


	13753			Staff	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					




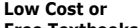






CRIMINAL JUSTICE (CJ)

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.

	14391	7:30p-10:40p	Tu	Gomez E	R-114	Full Semester
	This class meets on-campus.					
	14386			Gonis Jr A	ONLINE	Full Semester
		10:05a-11:30a	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.					
	14387			Gonis Jr A	ONLINE	Full Semester
		10:05a-11:30a	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.					

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	HYBRID: On-Campus Hybrid Instruction - A combination of on-campus meetings and online instruction	 Low Cost or Free Textbooks
	VIRTUAL HYBRID: Virtual Hybrid Instruction - A combination of live streaming Zoom meetings and online instruction	 OER
	ON CAMPUS W/VIRTUAL: On-Campus with Virtual Instruction - A combination of on-campus and live streaming Zoom meetings	 ZTC
	ON-CAMPUS: On-Campus Instruction - On-campus and in-person with scheduled meeting days and times.	Honors Courses:  HONORS

14388			Huskey J	ONLINE	Full Semester
	10:05a-11:30a	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.					
14389			Huskey J	ONLINE	Full Semester
	8:30a-9:55a	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.					
14390			Huskey J	ONLINE	Full Semester
	8:30a-9:55a	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.					
14406			Cota R	ONLINE	Full Semester
	11:40a-1:05p	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.					

CJ 102, INTRODUCTION TO CORRECTIONS**3.0 UNITS**

This course provides a history of and critical analysis of punishment, the various types of punishment, alternatives to punishment, and the impact of punishment on the criminal justice system, corrections, a critical examination of the types of correctional institutions and the clients housed in each institution, and an examination of contemporary correctional issues.



14392			Kraus E	ONLINE	Full Semester
	6:00p-7:25p	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.					

CJ 103, CONCEPTS OF CRIMINAL LAW**3.0 UNITS**

This course offers an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice course will build. The course will also include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes.

14393			Gonis Jr A	ONLINE	Full Semester
	8:30a-9:55a	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.					
14394			Gonis Jr A	ONLINE	Full Semester
	10:05a-11:30a	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.					
14395			Huskey J	ONLINE	Full Semester
	10:05a-11:30a	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.					
14396			Huskey J	ONLINE	Full Semester
	6:00p-7:35p	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.					
14397			Gomez E	ONLINE	09/19-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
14407			Gomez E	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meeting					

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Low Cost or Free Textbooks
 **OER**
 **ZTC**
Honors Courses:
 **HONORS**

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.

14398	7:30p-10:40p	M	Batth G	R-114	Full Semester
This class meets on-campus.					
14399	8:30a-9:55a	Tu	Gonis Jr A	ONLINE	Full Semester
			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.

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.

14400	11:55a-1:20p	Tu Th	Robinson K	ZOOM	Full Semester
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.					

14401	6:00p-7:25p	M	Huskey J	ONLINE	Full Semester
			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.

CJ 108, CRIME SCENE INVESTIGATION**3.0 UNITS**

This course provides an introduction to the role of forensics in criminal investigations. It examines the methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, firearms, questioned documents and controlled substances.

14402	10:00a-1:10p	F	Maiocco M	W-101	Full Semester
This class meets on-campus.					

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.

14403	8:30a-9:55a	Th	Gonis Jr A	ONLINE	Full Semester
			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.

CJ 209, ORGANIZED CRIME**3.0 UNITS**

In-depth study of the development and methodology of international organized crime. Host countries and areas include: Italy, Sicily, Japan, China, Colombia, Mexico, Russia, Haiti, Cayman Islands, and Caribbean. Emphasis on economic and societal impacts on the United States.

14404	7:30p-10:40p	Tu	Boykins G	W-101	Full Semester
This class meets on-campus.					

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.

14408	6:00p-7:25p	Tu	Cota R	ONLINE	Full Semester
			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.

CJ 220, JUVENILE DELINQUENCY AND CONTROL**3.0 UNITS**

This course is an examination of the origin, development, and organization of the Juvenile Justice system as it evolved in the American justice system. The course explores the theories that focuses on Juvenile Law, courts and processes, and the Constitutional protections extended to juveniles administered in the American justice system.

14405	10:00a-1:10p	M	Jenkins M	W-101	Full Semester
This class meets on-campus.					

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

CRIMINAL JUSTICE ACADEMIES (CJA)

CJA 050, INTRODUCTION TO DRONE LAWS

0.5 UNIT

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

14493

Willens D

HYBRID

10/10-11/06

10:30a-12:30p

Sa

Staff

A-130

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

CJA 083D, PHYSICAL TRAINING INSTRUCTOR COURSE

1.0 UNIT

This course is designed to prepare instructors focusing on physical training expertise, application, and assessment in a law enforcement instructional environment.

Prerequisite: Criminal Justice Academies 060 with a minimum grade of P.

15995

1:00p-5:00p

M Tu W Th

Staff

CJTC-SD

08/22-08/26

8:00a-12:00p

M Tu W Th F

Staff

CJTC-SD

1:00p-3:00p

F

CJTC-SD

CJA 099, OCSB BASIC PRE-ACADEMY

2.5 UNITS

The course is designed to familiarize students with the duties and responsibilities associated with attending a basic police academy. Course instruction will include Drill and Ceremony, Introduction to Report Writing, Academy Protocol, Physical Training, and Program Overview.

Open Entry / Open Exit

15853

7:00a-1:00p

M Tu

Staff

OCSB

09/26-10/14

7:00a-4:00p

W Th F

Staff

OCSB

15855

7:00a-1:00p

M Tu

Staff

OCSB

11/21-12/09

7:00a-4:00p

W Th F

Staff

OCSB

CJA 099A, BASIC POLICE ACADEMY

29.5 - 31.5 UNITS

Student will receive instruction in all areas of criminal justice, as required by California Peace Officers Standards and Training (CA POST), for entry-level law enforcement officers. This course is offered in partnership with the Orange County Sheriff's Department.

Prerequisite: CJA 010, CJA 026A, and CJA 099: Criminal Justice Academies 010, Criminal Justice Academies 026A, Criminal Justice Academies 099 with a minimum grade of P. Completion with a grade of "C" or better or a Passing grade in Students sponsored by California law enforcement agencies must meet P.O.S.T. hiring requirements. Self-sponsored students must successfully complete CJA 010, CJA 026A, CJA 099 and required college screening procedure

15848

7:00a-4:00p

M Tu

Staff

OCSB

10/17-04/17

7:00a-4:00p

W Th F

Staff


OCSB

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.

 13195

Heremans 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.

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.


 13196

Heremans 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.


 13198


Heremans T


ONLINE


10/17-12/11


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


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Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

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.

13199	8:00a-10:05a	Sa	Heremans T	VHS	Full Semester
	10:15a-1:25p	Sa	Minichiello J	VHS	

This class meets at Valley High School.

CULN 140, INTRODUCTION TO BAKING & PASTRY**3.0 UNITS**

This course covers fundamental baking skills for students who intend to specialize in baking and pastry making for commercial production. Production of yeast and quick breads, cakes, cookies, pies, and pastries, as well as decorating and icings are undertaken. Gourmet baked items and pastries are produced in a time-restricted quality-minded setting. This course is for students pursuing a career in culinary arts/culinary management, and will prepare students for entry level baking position in the food industry as a baker or pastry chef.

13200			Heremans T	HYBRID	Full Semester
	6:00p-9:10p	W	Heremans T	OCSA	

OCSA 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

CULN 230, HEALTHY AMERICAN CUISINE**2.0 UNITS**

This course will be a culinary tour of America including food identification and traditional cooking methods with a healthy alternative. This course focuses on a regional perspective of healthy American cuisine. Students will have the opportunity to produce regional specialties while researching the influence of culture. Students participating in the Culinary Arts cooking courses MUST provide proof of negative TB skin test (or normal chest x-ray within the past 4 years).

13201	4:00p-5:05p	Tu	Minichiello J	VHS	Full Semester
	5:15p-8:25p	Tu	Minichiello J	VHS	

This class meets at Valley High School

CULN 240, VEGETARIAN CUISINE**2.0 UNITS**

This course develops an understanding of the basic principles and techniques of vegetarian (lacto, ovo-lacto, vegan, and raw foods) food preparation. Students participating in the Culinary Arts cooking courses MUST provide proof of negative TB skin test (or normal chest x-ray within the past 4 years).


13202			Heremans T	HYBRID	Full Semester
	9:00a-12:10p	Tu	Heremans T	T-212	

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

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.

Open Entry / Open Exit


 13203			Heremans 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.				


DIESEL (DSL)**DSL 121, DIESEL ENGINES****4.5 UNITS**

Service, repair, rebuilding, diagnosing, operation, function, and features of diesel engines. Hands-on procedures and safety emphasized. Student must furnish approved safety glasses. Field trips may be required.


13555	8:00a-9:25a	M W	Vasilik R	J-109	Full Semester
	9:35a-11:50a	M W	Vasilik R	J-109	


This class meets on-campus.


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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

DSL 131, DR TRAIN**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.

13556	1:00p-2:25p	M W	Staff	J-109	Full Semester
	2:35p-4:50p	M W	Staff	J-109	

This class meets on-campus.

DSL 132, DIESEL FUEL SYSTEMS AND EMISSIONS**3.0 UNITS**

Theory, testing, and service of mechanical and electronic diesel fuel injection systems. Engine diagnosis techniques on current production medium and heavy-duty diesel engines. Diesel emissions will also be covered. Hands-on procedures and safety are emphasized. Students must furnish approved safety glasses.

13557	6:00p-7:15p	Tu Th	Staff	J-109	08/22-11/13
	7:25p-9:30p	Tu Th	Staff	J-109	

This class meets on-campus.

DSL 165, TRANSPORT REFRIGERATION**5.0 UNITS**

Theory and operation of truck and trailer refrigeration, electrical, and microprocessor control systems used on current production Carrier and Thermo King units. Service, repair, and troubleshooting procedures used in industry will be covered. Hands-on procedures and safety are emphasized.

13558	6:00p-8:05p	M W	Lopez Garcia L	J-109	Full Semester
	8:15p-10:20p	M W	Staff	J-109	

This class meets on-campus.

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.


15981			Taylor M		Full Semester
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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.

 15982			Taylor M	ONLINE	08/22-10/09
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

 15983			Taylor M	ONLINE	10/10-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this 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.


 15984			Dermody M	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.


 15985			Dermody M	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.


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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

15986	10:00a-1:10p	Th	Lunel E	A-130	Full Semester
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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.

 15987			Kumar A	ONLINE	08/22-10/09
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There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

 15988			Kumar A	ONLINE	10/17-12/11
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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.

15989	1:15p-2:05p	Tu Th	Dermody M	DMC-135	Full Semester
	2:15p-3:40p	Tu Th	Dermody M	DMC-135	

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.

15990	6:00p-6:50p	Tu Th	Lunel E	DMC-203	Full Semester
	7:00a-8:25p	Tu Th	Lunel E	DMC-203	

DM 113, INTRODUCTION TO DIGITAL MEDIA DESIGN PRINCIPLES

3.0 UNITS

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.

 15991			Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

DM 115A, SINGLE-CAMERA PRODUCTION AND EDITING

3.0 UNITS

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.

15993	1:15p-2:05p	M W	Hall J	DMC-203	Full Semester
	2:15p-3:40p	M W	Hall J	DMC-203	
15992	6:00p-6:50p	M W	Dunsmore S	DMC-203	Full Semester
	7:00p-8:25p	M W	Dunsmore S	DMC-203	

DM 120, BEGINNING SCREENWRITING FOR DIGITAL MEDIA

3.0 UNITS

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.


15994	2:15p-5:25p	W	Lunel E	DMC-103	Full Semester
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DM 121, INTERMEDIATE SCREENWRITING FOR DIGITAL MEDIA

3.0 UNITS


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.


16230	2:15p-5:25p	W	Lunel E		Full Semester
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Low Cost or Free Textbooks

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 **ZTC**

Honors Courses:

 **HONORS**

SANTA ANA COLLEGE – FALL 2022 Page 98**DM 121A, FUNDAMENTALS OF TYPOGRAPHY****3.0 UNITS**

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

16246	1:15p-2:05p	M W	McMillan J	DMC-104	Full Semester
	2:15p-4:20p	M W	McMillan J	DMC-104	

There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

O **16254** **Clark S** **ONLINE** **10/17-12/11**

Fully Online Instruction. Students are required to log in 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 121B, ADVANCED TYPOGRAPHY**3.0 UNITS**

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

16250	1:15p-2:05p	M W	McMillan J	DMC-104	Full Semester
	2:15p-4:20p	M W	McMillan J	DMC-104	

There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

O **16259** **Clark S** **ONLINE** **10/17-12/11**

Fully Online Instruction. Students are required to log in 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 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.

16238	2:15p-5:25p	W	Lunel E		Full Semester
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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.

16264	1:15p-2:05p	Tu Th	Taylor M	DMC-103	Full Semester
	2:15p-3:40p	Tu Th	Taylor M	DMC-103	

There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

DM 140, CINEMATOGRAPHY**3.0 UNITS**

Concepts and practice of cinema-graphic, filming, and lighting techniques as applied to single-camera film and digital production.

16318	6:00p-6:50p	M W	Hall J	DMC-135	Full Semester
	7:00p-8:25p	M W	Hall J	DMC-135	

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.

16319	4:25p-5:50p	M W	Garcia J	DMC-204	Full Semester
	5:50p-6:20p	M W	Garcia J	DMC-204	

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

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

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

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

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

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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:


 **HONORS**

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16320	6:35p-8:00p	M W	Garcia J	DMC-204	Full Semester
	8:00p-8:30p	M W	Garcia J	DMC-204	

DM 164, WEB DESIGN **3.0 UNITS**
 This course examines global issues related to internet culture, web ethics, equity, social justice, in addition to rights and trends related to the web. In the context of cultural and social needs, students will be introduced to web design using digital media tools; graphics, illustrations, text, sound, motion, using software programs for the web. Students will also review how web design has been used to impact commerce advancement, global communication, advertising, entertainment, and self-promotion relate to global and local community needs. Students will be able to apply their knowledge in site development and responsive design.

Material Fee(s): \$10.00

 16321	Pham T	ONLINE	08/22-10/09
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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.

16371	Nerhus K	Full Semester
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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.


16372	Nerhus K	Full Semester
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DM 191A, LAYOUT DESIGN **3.0 UNITS**
 An introduction to digital publishing and page layouts. Projects explore the design and development of single and multiple page documents. Includes advanced techniques in complex documents, interactive, and web-ready pages. Primary software: Adobe InDesign

16373	1:15p-2:05p	Tu Th	Fitch A	DMC-104	Full Semester
	2:15p-3:40p	Tu Th	Fitch A	DMC-104	

There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

DM 193, MOTION GRAPHICS WITH ADOBE AFTER EFFECTS **3.0 UNITS**
 This graphics animation course covers the development of original motion graphics. Video editing skills are refined within the animation software to create animated clips for use in multiple media applications. Some experience in non-linear digital video editing is recommended, as well as some graphic design experience.
Recommended Preparation: Art 195 and TV/Video Communications 112 with a minimum grade of C.

 16374	Pastrana D	ONLINE	10/17-12/11
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There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.


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.

16379	10:05a-11:30a	M W	Clark S	A-223	Full Semester
	11:30a-12:00p	M W	Clark S	A-223	


There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

16381	10:05a-11:30a	Tu Th	Fitch A	A-223	Full Semester
	11:30a-12:00p	Tu Th	Fitch A	A-223	










There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

 16375	Clark S	ONLINE	08/22-10/16
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

 16377	Pastrana D	ONLINE	10/17-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

 ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times	<p>Low Cost or Free Textbooks</p>  OER  ZTC Honors Courses:  HONORS
 FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom	
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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.	

SANTA ANA COLLEGE – FALL 2022 Page 100**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.

16383	7:35p-8:25p	M W	Harants M	DMC-104	Full Semester
	8:35p-10:00a	M W	Harants M	DMC-104	

There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

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.

16384	7:35p-8:25p	M W	Harants M	DMC-104	Full Semester
	8:35p-10:00p	M W	Harants M	DMC-104	

There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

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.

16271	1:15p-2:05p	Tu Th	Taylor M	DMC-103	Full Semester
	2:15p-3:40p	Tu Th	Taylor M	DMC-103	

There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

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 C.

16273	1:15p-2:05p	Tu Th	Taylor M	DMC-103	Full Semester
	2:15p-3:40p	Tu Th	Taylor M	DMC-103	

There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

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.

16292	1:15p-2:05p	Tu Th	Taylor M	DMC-103	Full Semester
	2:15p-3:40p	Tu Th	Taylor M	DMC-103	

There is no additional textbook cost for, this Zero Textbook Cost (ZTC) class.

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.

16317	1:15p-2:05p	Tu Th	Taylor M	DMC-103	Full Semester
	2:15p-3:40p	Tu Th	Taylor M	DMC-103	

There is no additional textbook cost for, this Zero Textbook Cost (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****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.

O	16385	Taylor 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 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.

16386	Dermody M	DMC-203	Full Semester
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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.

15034	8:30a-9:55a	Tu Th	Staff	R-124	Full Semester
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ECONOMICS (ECON)**ECON 120, PRINCIPLES/MACRO****3.0 UNITS**

Introduction to macroeconomics, including basic economic concepts, analysis of markets, national income accounting, employment, short run business cycle fluctuations, long run growth trends, monetary and fiscal policies, and international economic issues. Intended for economics, business, and certain engineering/computer science majors.

Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

13353	12:10p-2:00p	M W	Guerra F	I-103	09/05-12/11
13417	5:00p-9:05p	Th	Do H	D-209	09/05-12/11
O	13358		Do H	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students.				

O	13387	Werboff A	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in 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	13389	Werboff A	ONLINE	09/19-12/11
	Fully Online Instruction. Students are required to log in 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	13391	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. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			

O	13392	Allen M	ONLINE	09/05-12/11
	Fully Online Instruction. Students are required to log in 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 for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			

ECON 121, PRINCIPLES/MICRO**3.0 UNITS**

Introduction to microeconomics, including basic economic concepts, analysis of markets, efficiency, consumer and firm behavior, industry structures, market failure, and resource markets. For economics, business, and certain engineering and computer science majors.

Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

13351	10:00a-11:50a	Tu Th	Guerra F	D-209	09/05-12/11
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O **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

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

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

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

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

	13356	10:00a-11:50a	M W	Guerra F	D-209	09/05-12/11
O	13395			Levine 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.					
O	13399			Ames 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.					
O	13401			Do H	ONLINE	09/05-12/11
	Fully Online Instruction. Students are required to log in 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	13408			Werboff A	ONLINE	09/19-12/11
	Fully Online Instruction. Students are required to log in 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	13411			Allen M	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					

EDUCATION (EDUC)

EDUC 105, EXPLORATION IN THE FIELD OF EDUCATION 3.0 UNITS

An exploration in the field of education from early childhood through high school. This course requires 20 hours of structured observation in the following traditional and non-traditional settings: early childhood, elementary school, middle school, high school, special education, and English Language Development (ELD). Topics will include: a) roles and responsibilities of the teacher, b) teaching and learning of diverse student populations across different education spans, and c) careers in education beyond the classroom teacher.

	15649			Naman T	HYBRID	Full Semester
		2:00p-3:25p	W	Staff	V-151	
	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					

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.




	15650			Naman T	HYBRID	Full Semester
		6:00p-9:00p	W	Staff	V-151	
	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					

	15651			Kimmel M	HYBRID	Full Semester
		9:00a-12:00p	Tu	Staff	V-151	
	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					

EDUC 204, PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGIES FOR SECONDARY TEACHERS 3.0 UNITS

Students will develop personal proficiency in educational technologies to facilitate the teaching process in a secondary classroom setting. Students will also apply digital literacy skills through the use of presentation, spreadsheet, word processing and publication software, interactive online tools, internet search and retrieval, information literacy, electronic communication and collaboration, and awareness of legal and ethical issues in the digital world.

O	15652			Kimmel M	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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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OL	FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom	
H	HYBRID: On-Campus Hybrid Instruction - A combination of on-campus meetings and online instruction	Low Cost or Free Textbooks
VH	VIRTUAL HYBRID: Virtual Hybrid Instruction - A combination of live streaming Zoom meetings and online instruction	 OER
CV	ON CAMPUS W/VIRTUAL: On-Campus with Virtual Instruction - A combination of on-campus and live streaming Zoom meetings	 ZTC
C	ON-CAMPUS: On-Campus Instruction - On-campus and in-person with scheduled meeting days and times.	Honors Courses:
		 HONORS

EDUC 205, PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGY FOR ELEMENTARY TEACHERS 3.0 UNITS

Students will develop personal proficiency in educational technologies to facilitate the teaching process in an elementary classroom setting. Students will also apply digital literacy skills through the use of presentation, spreadsheet, word processing and publication software, interactive online tools, internet search and retrieval, information literacy, electronic communication and collaboration, and awareness of legal and ethical issues in the digital world.

O 15653 Kimmel M ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

EMERGENCY MEDICAL TECHNICIAN (EMT)

EMT 104, EMERGENCY MEDICAL TECHNICIAN 10.0 UNITS

Basic course for Emergency Medical Technician (EMT) certification. Satisfies training requirements for National/State/County Emergency Medical Services (EMS) Authorities. Prepares students to take the National Registry Certifying Examination for State Certification. Additionally, trains students in the Orange County Emergency Medical Services (OCEMS) optional scope of practice. Course provides depth and breadth of foundational knowledge from the US Department of Transportation's National Scope of Practice Model and the National EMS Education Standards derived for entry-level EMT.

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

11538 8:00a-12:55p M W Dibb P B-7 Full Semester
12:55p-2:20p M W Dibb P B-4

A current American Heart Association BASIC BLS CARD is required to be shown the first day of school. FAILURE TO SHOW YOUR AHA CPR CARD WILL RESULT IN BEING DROPPED from the class. Students registered for EMT 104 Section 11538 are required to register for EMT 105 Section 11539.

11540 8:00a-12:55p Tu Th Dibb P B-7 Full Semester
12:55p-2:20p Tu Th Dibb P B-4

A current American Heart Association BASIC BLS CARD is required to be shown the first day of school. FAILURE TO SHOW YOUR AHA CPR CARD WILL RESULT IN BEING DROPPED from the class. Students registered for EMT 104 Section 11540 are required to register for EMT 105 Section 11581.

11541 5:00p-10:15p Tu Th Nguyen T B-7 Full Semester
8:00a-4:00p Sa Nguyen T B-4

A current American Heart Association BASIC BLS CARD is required to be shown the first day of school. FAILURE TO SHOW YOUR AHA CPR CARD WILL RESULT IN BEING DROPPED from the class. Students registered for EMT 104 Section 11541 are required to register for EMT 105 Section 11542. Classes are Tuesdays and Thursdays 5:00PM -10:15 PM with Saturdays on 9/10, 9/24, 10/8, 10/15, 10/29, 11/12 from 8:00AM-4:00 PM PLUS 16 hours arranged; see EMT 105 section 11542 for additional Saturdays.

EMT 105, CLINICAL EMT SKILLS LABORATORY 1.0 UNIT

Clinical, field experience, and supervised use of skills lab through supplemental learning to assist the student in development of clinical competency and mastery of psychomotor skills as addressed in course EMT 104. Hours verified by instructor.

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

11539 Dibb P B-6 Full Semester

A current American Heart Association BASIC BLS CARD is required to be shown the first day of school. FAILURE TO SHOW YOUR AHA CPR CARD WILL RESULT IN BEING DROPPED from the class. Students registered for EMT 105 Section 11539 are required to register for EMT 104 Section 11538. 54 hours to be arranged.

11542 Nguyen T B-6 Full Semester

A current American Heart Association BASIC BLS CARD is required to be shown the first day of school. FAILURE TO SHOW YOUR AHA CPR CARD WILL RESULT IN BEING DROPPED from the class. Students registered for EMT 105 Section 11542 are required to register for EMT 104 Section 11541. 54 hours to be arranged, including Saturdays 11/19 and 12/3 from 8:00AM to 4:00PM.

11581 Dibb P B-6 Full Semester

A current American Heart Association BASIC BLS CARD is required to be shown the first day of school. FAILURE TO SHOW YOUR AHA CPR CARD WILL RESULT IN BEING DROPPED from the class. Students registered for EMT 105 Section 11581 are required to register for EMT 104 Section 11540. 54 hours to be arranged,

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**


EMT 111, RECERTIFICATION FOR EMT**2.0 UNITS**

Update emergency medical techniques, equipment, and EMSA policies. Meets state requirements for EMT recertification.

11543	8:00a-5:00p	F Sa	Spriggs J	B-6	09/30-10/08
A current American Heart Association BASIC BLS CARD is required to be shown the first day of school. FAILURE TO SHOW YOUR AHA CPR CARD WILL RESULT IN BEING DROPPED from the class. EMT 111 Meets 09/30, 10/1, 10/7, AND 10/8 FROM 8:00AM TO 5:00PM.					

ENGINEERING (ENGR)**ENGR 012, CIVIL/ARCHITECTURAL BLUEPRINT READING****2.0 UNITS**

Reading and interpreting blueprints for civil engineering, architecture, and construction fields. No prior blueprint reading experience is needed. Course provides preparation for more advanced civil and architectural drafting coursework.

 14526	6:00p-8:00p	M	Castellanos C Staff	ONLINE ZOOM	08/22-10/16
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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 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.

14528	1:00p-4:10p	Th	Takahashi C	SC-134	Full Semester
This class meets on-campus. There is no additional textbook cost for this ZTC class.					
14530	4:30p-7:40p	Th	Takahashi C	SC-134	Full Semester
This class meets 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.

14531	6:00p-8:00p	M	Castellanos C Staff	ONLINE ZOOM	10/17-12/11
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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 103, SOLIDWORKS BEGINNING SOLID MODELING****3.0 UNITS**

Introductory course in parametric solid modeling using Solidworks, an industry standard engineering design software (CAD). This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc.), including the preparation of individual solid components and basic solid model assemblies.


15820	7:00p-10:10p	F	Buechler M	T-203	Full Semester
This class meets on-campus.					







 15821			Buechler 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.					

ENGR 104, SOLIDWORKS INTERMEDIATE SOLID MODELING**3.0 UNITS**

Intermediate course for solid modeling using Solidworks, an industry standard engineering design software (CAD). Includes a review of the introductory class and changes to the Solidworks interface. Instruction in the use of intermediate Solidworks part modeling skills such as assembly modeling and sub-assemblies is included (Same as Manufacturing Technology 104).

Prerequisite: Engineering 103 or Manufacturing Technology 103 with a minimum grade of C.

 15822			Corley 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.					

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Free Textbooks** **OER** **ZTC****Honors Courses:** **HONORS**

ENGR 105, SOLIDWORKS ADVANCED SOLID MODELING**3.0 UNITS**

Advanced course for solid modeling includes a review of the intermediate class and changes to the Solidworks interface. Instruction in the use of Solidworks part modeling, assembly modeling, sub-assemblies, advanced photoworks and advanced animator emphasized (Same as Manufacturing Technology 105).

Prerequisite: Engineering 104 or Manufacturing Technology 104 with a minimum grade of C.

O 15824

Corley 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.

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

Reading and interpreting blueprints for manufacturing technologies.

15825

5:00p-7:05p

F

Bright T

R-126

Full Semester

This class meets on-campus.

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

Drawing interpretation utilizing geometric dimensioning and tolerancing per ASME Y14.5M (formerly ANSI Y14.5M) as applied in engineering, manufacturing, and inspection. Suggested preparation: prior course or experience in drafting with conventional dimensioning and tolerancing.

O 15826

Corley 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.

ENGR 115, COOPERATIVE WORK EXPERIENCE EDUCATION-OCCUPATIONAL**1.0 - 4.0 UNITS**

This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.

O 14534

Rodriguez J

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.

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. Field work using tapes, levels, transits, theodolites, total stations, and GPS.

Prerequisite: MATH 162 or MATH 170; Prerequisite: Mathematics 162 or Mathematics 170 with a minimum grade of C or transcribed high school trigonometry or pre-calculus.

Software Utilized: Civil 3D and ArcGIS 10

14537

9:05a-12:00p

Sa

Rodriguez J

HYBRID

Full Semester

Rodriguez J

SC-134

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

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. Completion of Engr 118 and 119 assists in passing the land-surveyor-in-training (LSIT) exam.

ENGR 118: 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.

Software Utilized: Civil 3D and ArcGIS 10

14564

9:05a-12:00p

Sa

Rodriguez J

HYBRID

Full Semester

Rodriguez J

SC-134

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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Low Cost or
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Honors Courses:

 HONORS

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.

14575	6:00p-8:30p	Tu	Rodriguez J	ZOOM	Full Semester
	8:30p-9:55p	Tu	Rodriguez J	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.

ENGR 125, ENGINEERING GRAPHICS**3.0 UNITS**

This course covers the principles of engineering drawings in visually communicating engineering designs and an introduction to computer-aided design (CAD). Topics include: the development of visualization skills; orthographic projections; mechanical dimensioning and tolerancing practices; the engineering design process. Assignments develop sketching skills for 2-D and 3-D CAD. The use of CAD software is an integral part of the course. Suggested preparation: prior course or experience with drafting and CAD. Prerequisite: Mathematics 162 with a minimum grade of C.

14577	6:00p-8:30p	Tu	Rodriguez J	ZOOM	Full Semester
	8:30p-9:55p	Tu	Rodriguez J	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.

ENGR 132, INTRODUCTION TO ROBOTICS**2.0 UNITS**

Introductory course in robotics. Topics include: basic design, sensors, actuators, circuits, programming, micro-controllers, and a hands-on robot construction project.

14578	10:20a-12:25p	Th	Takahashi C	SC-134	Full Semester
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This class meets on-campus. There is no additional textbook cost for this ZTC class.

ENGR 133, MECHATRONICS I**3.0 UNITS**

A first course in mechatronics emphasizing hands-on work. Topics include: solid modeling design, rapid prototype fabrication (3D-printing, laser cutting, etc.), testing, measurement, actuators, sensors, basic electronics, micro-controllers, and programming. Prior experience with Solidworks, Arduino, and basic algebra is suggested but not required.

14580	8:30a-10:55a	W	Takahashi C	SC-134	Full Semester
	11:00a-12:35p	W	Takahashi C	SC-134	

This class meets on-campus. There is no additional textbook cost for this ZTC class.

ENGR 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.

15830	8:30a-9:20a	Sa	Stillwell D	T-101	Full Semester
	9:30a-1:05p	Sa	Stillwell D	T-101	
	1:45p-5:20p	Sa		T-101	

This class meets on-campus.

15827	12:45p-1:15p	M W	Buechler M	T-107	Full Semester
	9:00a-12:35p	M W	Staff	T-107	

This class meets on-campus.

15828	8:45p-9:15p	M W	Buechler M	T-107	Full Semester
	5:00p-8:35p	M W	Buechler M	T-107	

This class meets on-campus.

15829	9:15p-9:45p	Tu Th	Bright T	T-107	Full Semester
	5:30p-9:05p	Tu Th	Bright T	T-107	

This class meets on-campus.

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Low Cost or
Free Textbooks

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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

O 14583 **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.

14584 **Galvez R** **ONLINE** **08/22-10/16**
6:00p-10:05p **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.

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

14585 **Galvez R** **ONLINE** **10/17-12/11**
6:00p-10:05p **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.

ENGR 235, STATICS**3.0 UNITS**

A first course in engineering mechanics: properties of forces, moments, couples and resultants; two- and three-dimensional force systems acting on engineering structures in equilibrium; analysis of trusses, and beams; distributed forces, shear and bending moment diagrams, center of gravity, centroids, friction, and area and mass moments of inertia. Utilizes SI metrics.

Prerequisite: Physics 217 and Mathematic 185 with a minimum grade of C (Both classes can be taken concurrently).

14586 **1:15p-4:25p** **Tu** **Takahashi C** **A-210** **Full Semester**

This class meets on-campus.

ENGLISH (ENGL)**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.

13393 **10:05a-11:30a** **M W** **Staff** **D-107** **Full Semester**

Section 13393 is linked to ENGL 101 13865. Enrollment in both sections is mandatory.

13410 **10:05a-11:30a** **M W** **Staff** **D-109** **Full Semester**

Section 13410 is linked to ENGL 101 13967. Enrollment in both sections is mandatory.

13428 **10:05a-11:30a** **Tu Th** **Simmerman S** **D-207** **Full Semester**

Section 13428 is linked to ENGL 101 13985. Enrollment in both sections is mandatory.

13432 **10:05a-11:30a** **Tu Th** **Staff** **D-109** **Full Semester**

Section 13432 is linked to ENGL 101 13977. Enrollment in both sections is mandatory.

14258 **10:05a-11:30a** **M W** **Simmerman S** **G-106** **Full Semester**

Section 14258 is linked to ENGL 101 14256. Enrollment in both sections is mandatory.

13388 **12:25p-1:50p** **Tu Th** **Staff** **D-110** **Full Semester**

Section 13388 is linked to ENGL 101 13863. Enrollment in both sections is mandatory.

13412 **12:25p-1:50p** **M W** **Brandon K** **D-110** **Full Semester**

Section 13412 is linked to ENGL 101 13972. Enrollment in both sections is mandatory.

13838 **12:25p-1:50p** **Tu Th** **Staff** **D-208** **Full Semester**

Section 13838 is linked to ENGL 101 13955. Enrollment in both sections is mandatory.

13839 **12:25p-1:50p** **M W** **Kelley S** **D-214** **Full Semester**

Section 13839 is linked to ENGL 101 13942. Enrollment in both sections is mandatory.

14260 **12:25p-1:50p** **M W** **Bootman A** **G-107** **Full Semester**

Section 14260 is linked to ENGL 101 14259. Enrollment in both sections is mandatory.

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**Low Cost or
Free Textbooks**

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Honors Courses:

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13843	3:30p-4:55p	Tu Th	Brandon K	D-108	Full Semester
	Section 13843 is linked to ENGL 101 13988. Enrollment in both sections is mandatory.				
13846	3:30p-4:55p	M W	Hassel E	D-107	Full Semester
	Section 13846 is linked to ENGL 101 13930. Enrollment in both sections is mandatory.				
13840	7:35p-9:00p	Tu Th	Hassel E	D-110	Full Semester
	Section 13840 is linked to ENGL 101 13936. Enrollment in both sections is mandatory.				
14128	7:35p-9:00p	M W	Kelley S	D-213	Full Semester
	Section 14128 is linked to ENGL 101 14129. Enrollment in both sections is mandatory.				

ENGL 101, FRESHMAN COMPOSITION

4.0 UNITS

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

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

13865	7:50a-9:55a	M W	Staff	D-107	Full Semester
	Section 13865 is linked to ENGL 066 13393. Enrollment in both sections is mandatory.				
13877	7:50a-9:55a	M W	Rocke B	I-104	Full Semester
13893	7:50a-9:55a	M W	Isbell J	D-208	Full Semester
13931	7:50a-9:55a	Tu Th	Isbell J	D-107	Full Semester
13967	7:50a-9:55a	M W	Staff	D-109	Full Semester
	Section 13967 is linked to ENGL 066 13410. Enrollment in both sections is mandatory.				
13970	7:50a-9:55a	M W	Staff	I-106	Full Semester
13974	7:50a-9:55a	Tu Th	Staff	D-103	Full Semester
13977	7:50a-9:55a	Tu Th	Staff	D-109	Full Semester
	Section 13977 is linked to ENGL 066 13432. Enrollment in both sections is mandatory.				
13982	7:50a-9:55a	M W	Staff	I-107	Full Semester
13985	7:50a-9:55a	Tu Th	Simmerman S	D-207	Full Semester
	Section 13985 is linked to ENGL 066 13428. Enrollment in both sections is mandatory.				
14256	7:50a-9:55a	M W	Simmerman S	G-106	Full Semester
	Section 14256 is linked to ENGL 066 14258. Enrollment in both sections is mandatory.				
13898	8:00a-12:15p	F	Staff	D-110	Full Semester
13915	9:00a-1:15p	Sa	Staff	D-110	Full Semester
13863	10:05a-12:10p	Tu Th	Staff	D-110	Full Semester
	Section 13863 is linked to ENGL 066 13388. Enrollment in both sections is mandatory.				
13886	10:05a-12:10p	Tu Th	Rocke B	D-210	Full Semester
13894	10:05a-12:10p	M W	Rocke B	D-305	Full Semester
13911	10:05a-12:10p	M W	Sosta R	D-210	Full Semester
13920	10:05a-12:10p	M W	Staff	D-208	Full Semester
13932	10:05a-12:10p	Tu Th	Brandon K	D-305	Full Semester
13942	10:05a-12:10p	M W	Kelley S	D-214	Full Semester
	Section 13942 is linked to ENGL 066 13839. Enrollment in both sections is mandatory.				
13955	10:05a-12:10p	Tu Th	Staff	D-208	Full Semester
	Section 13955 is linked to ENGL 066 13838. Enrollment in both sections is mandatory.				
13962	10:05a-12:10p	Tu Th	Kelley S	D-302	Full Semester
	PUENTE: Section 13962 is linked to Counseling 104 section , Enrollment in all sections is mandatory. Please see the Freshman Success page in the class schedule for more information				
13972	10:05a-12:10p	M W	Brandon K	D-110	Full Semester
	Section 13972 is linked to ENGL 066 13412. Enrollment in both sections is mandatory.				
13976	10:05a-12:10p	Tu Th	Martinez Guzman D	I-104	Full Semester
13987	10:05a-12:10p	Tu Th	Staff	D-108	Full Semester
14259	10:05a-12:10p	M W	Bootman A	G-107	Full Semester
	Section 14259 is linked to ENGL 066 14260. Enrollment in both sections is mandatory.				
14263	10:05a-12:10p	Tu Th	Beyersdorf M	G-106	Full Semester

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13956	12:00p-4:15p	Tu	Staff	I-106	Full Semester
13852	1:15p-3:20p	Tu Th	Rocke B	D-109	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.					
13901	1:15p-3:20p	M W	Martinez Guzman D	D-305	Full Semester
13904	1:15p-3:20p	Tu Th	Staff	D-210	Full Semester
ULINK Program Section: 13904-ENG-102 is linked to Section: 13501-CNSL-107. Enrollment in both sections is mandatory.					
13930	1:15p-3:20p	M W	Hassel E	D-107	Full Semester
Section 13930 is linked to ENGL 066 13846. Enrollment in both sections is mandatory.					
13951	1:15p-3:20p	M W	Staff	D-209	Full Semester
13953	1:15p-3:20p	M W	Staff	D-212	Full Semester
13988	1:15p-3:20p	Tu Th	Brandon K	D-108	Full Semester
Section 13988 is linked to ENGL 066 13843. Enrollment in both sections is mandatory.					
13907	5:20p-7:25p	M W	Staff	D-214	Full Semester
13917	5:20p-7:25p	Tu Th	Staff	D-208	Full Semester
13936	5:20p-7:25p	Tu Th	Hassel E	D-110	Full Semester
Section 13936 is linked to ENGL 066 13840. Enrollment in both sections is mandatory.					
13978	5:20p-7:25p	Tu Th	Staff	D-108	Full Semester
14129	5:20p-7:25p	M W	Kelley S	D-213	Full Semester
Section 14129 is linked to ENGL 066 14128. Enrollment in both sections is mandatory.					
13869	6:00p-10:15p	M	Staff	D-107	Full Semester
13892	6:00p-10:15p	W	Staff	D-109	Full Semester
13979	6:00p-10:15p	Th	Staff	D-109	Full Semester
13912	7:35p-9:40p	Tu Th	Staff	D-210	Full Semester
 13849			Diller J	ONLINE	09/19-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 13850			Staff	ONLINE	09/06-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 13851			Higgins C	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 13853			Bassett D	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 13854			Bassett D	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 13856			Staff	ONLINE	09/19-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 13857			Higgins C	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 13859			Higgins C	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.					
 13860			Sosta 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.					

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Honors Courses:

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O	13872	Sosta 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.			
O	13879	Ramshaw 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.			
O	13882	Ramshaw 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.			
O	13884	Ramshaw 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.			
O	13888	Bootman 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.			
O	13895	Sosta 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.			
O	13896	Ramshaw 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.			
O	13897	Bassett 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.			
O	13899	Simmerman 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.			
O	13900	Axtell 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.			
O	13902	Axtell 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.			
O	13903	Bennett 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.			
O	13913	Bennett 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.			
O	13916	Villa 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.			
O	13919	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.			
O	13924	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.			
O	13937	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.			

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

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

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

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

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

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

Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

O	13938	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.			
O	13939	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.			
O	13940	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.			
O	13941	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.			
O	13952	Staff	ONLINE	09/06-12/11
	Fully Online Instruction. Students are required to log in 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	13954	Staff	ONLINE	09/19-12/11
	Fully Online Instruction. Students are required to log in 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	13957	Higgins C	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in 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	13958	Staff	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in 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	13966	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.			
O	13973	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.			
O	13975	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.			
O	13986	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.			
O	13990	Staff	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Available for all students.			
O	13991	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.			
O	13992	Staff	ONLINE	09/19-12/11
	Fully Online Instruction. Students are required to log in 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	13993	Staff	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.			

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

EML 112 or ENGL 061 or ENGL 061X: 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.

14006	10:05a-12:10p	Tu Th	Patterson K	ZOOM	Full Semester
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ULINK Program Section: 14006-ENG-101H is linked to Section: 13574-CNSL-107 and 14451-ANTH-100H.

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.

O	13994		Bassett D	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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

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

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

14007	10:05a-12:10p	M W	Martinez Guzman D	D-108	Full Semester
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14039	10:05a-12:10p	Tu Th	Axtell C	I-201	Full Semester
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14034	1:15p-3:20p	Tu Th	Martinez Guzman D	D-214	Full Semester
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14040	1:15p-3:20p	M W	Axtell C	D-201	Full Semester
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O	14008		Axtell C	ONLINE	08/22-10/16
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O	14035		Ramshaw C	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O	14036		Diller J	ONLINE	10/17-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O	14037		Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O	14038		Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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

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

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

14041	10:05a-12:10p	Tu Th	Axtell C	I-201	Full Semester
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ENGL 103, CRITICAL THINKING AND WRITING**4.0 UNITS**

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

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

14076	7:50a-9:55a	Tu Th	Beyersdorf M	D-108	Full Semester
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14042			Beyersdorf M	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O	14043		Diller J	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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

- O** **14071** **Beyersdorf 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.
- O** **14072** **Diller 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.
- O** **14074** **Staff** **ONLINE** **08/22-10/16**
 Fully Online Instruction. Students are required to log in 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** **14075** **Bennett 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** **14077** **Villa B** **ONLINE** **10/17-12/11**
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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

Enriched and intensive exploration of historical and contemporary issues. Application of critical thinking, writing and reading skills to established argumentative methods and models through student- initiated discussion and problem-solving in a seminar setting. ENGL 101 or ENGL 101H: A college GPA or high school GPA for first term college students of 3.0 or higher and English 101 or English 101H with a minimum grade of C.

- O** **14255** **Bennett 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.

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 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.

- 14706** **6:00p-9:10p** **Th** **Fini K** **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.

ENGL 232, SURVEY OF ENGLISH LITERATURE II **3.0 UNITS**

Introductory study of representative selections from the English Romantic Movement to the present. Emphasis on those authors best exemplifying their period, such as Austen, Wordsworth, Coleridge, Byron, the Shelleys, Keats, Tennyson, Newman, Carlyle, the Brownings, Dickens, the war poets, Houseman, Yeats, Wilde and Woolf. Prerequisite: English 101 or English 101H with a minimum grade of C.

- O** **14078** **Bennett 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.

ENGL 241, SURVEY OF AMERICAN LITERATURE 1600-1865 **3.0 UNITS**




Survey of America's greatest works of literature from 1600-1865. Emphasizes the relationship between various works and general movements in American culture and literary history. Prerequisite: English 101 or English 101H with a minimum grade of C.

- 14079** **6:00p-9:10p** **W** **Staff** **D-210** **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.

- 14081** **1:15p-2:40p** **Tu Th** **Bootman A** **D-201** **Full Semester**
- 14084** **6:00p-9:10p** **Tu** **Patterson K** **ZOOM** **Full Semester**
 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	ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times	<p>Low Cost or Free Textbooks</p> <p> OER</p> <p> ZTC</p> <p>Honors Courses:</p> <p> HONORS</p>
OL	FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom	
H	HYBRID: On-Campus Hybrid Instruction – A combination of on-campus meetings and online instruction	
VH	VIRTUAL HYBRID: Virtual Hybrid Instruction – A combination of live streaming Zoom meetings and online instruction	
CV	ON CAMPUS W/VIRTUAL: On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings	
C	ON-CAMPUS: On-Campus Instruction – On-campus and in-person with scheduled meeting days and times.	

O 14083 **Bennett 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.

ENGL 272, SURVEY OF WORLD LITERATURE II **3.0 UNITS**
 Survey of world literary masterworks since the Renaissance studied for artistic form, cultural influence, and contributions to modern and contemporary thought.
 Prerequisite: English 101 or English 101H with a minimum grade of C.

14085 **6:00p-9:10p** **M** **Patterson K** **ZOOM** **Full Semester**
 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.

ENGLISH 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.

14778 **2:50p-4:15p** **M W** **Hassel E** **D-213** **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.

14754 **1:15p-3:45p** **Tu Th** **Mowrer M** **D-213** **Full Semester**

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.

14773 **10:05a-12:35p** **M W** **Mowrer M** **D-201** **Full Semester**

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.
 EMLS 106: EMLS 106 with a minimum grade of C or qualifying profile from ESL/EMLS placement process.

14775 **10:05a-12:10p** **Tu Th** **Mowrer M** **D-201** **Full Semester**

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.
 EMLS 110: EMLS 110 with a minimum grade of C and Passing Proficiency on the Reading Placement process.

14780 **5:20p-7:25p** **Tu Th** **Myers D** **D-214** **Full Semester**

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.

14776 **1:15p-2:40p** **M W** **Mowrer M** **D-213** **Full Semester**

- O** **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times
- OL** **FULLY ONLINE LIVE:** Fully Online Live Instruction - Live streaming instruction via Zoom
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Low Cost or Free Textbooks
 **OER**
 **ZTC**
Honors Courses:
 **HONORS**

ENTREPRENEURSHIP (ENTR)**ENTR 100, INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP****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.

O 15075 Staff ONLINE 08/22-10/16
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. There will be no instruction on-campus.

ENTR 105, SOCIAL MEDIA, BOOTSTRAPPING, AND MARKET VALIDATION**2.0 UNITS**

Learn the latest Social Media & Bootstrap Marketing strategies & techniques. Discover how to do more with marketing while spending less. Learn what you need to know about your customer and your market by designing a sound research strategy. Discover how to implement a market validation strategy.

15076 Vonheim E ONLINE 10/17-12/11
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. There will be no instruction on-campus.

ENTR 120, INTRODUCTION TO WORKING AS A FREELANCE INDEPENDENT CONTRACTOR**1.0 UNIT**

Learn the freelancer mindset. Learn how to work where you want, when you want, and how you want. Plan your life, your career, and your business. Develop your goals. Understand your personal strengths and skills. Learn how to turn your strengths and skills into viable, sustainable businesses by finding what is unique about you and turning that uniqueness into a personal brand.

O 15077 Nguyen K ONLINE 08/22-09/18

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

ENTR 121, PEOPLE SKILLS FOR THE FREELANCER**1.0 UNIT**

Learn "people skills" - also known as "soft skills" - communication skills, technological skills, negotiation skills, and presentation skills needed to be successful as a freelance independent contractor. Develop your soft skills and selling skills to compete for business and keep customers happy.

O 15078 Nguyen K ONLINE 08/22-09/18

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

ENTR 122, OPPORTUNITIES IN FREELANCE INDUSTRIES AND TRADES**1.0 UNIT**

Learn how to spot opportunities within a trade and industry. Learn how to network and connect within a trade and industry in order to get business and get mentors. Learn to understand the competitive economic landscape within a trade or industry. Develop opportunities into a viable, sustainable business. Understand how to travel and work in a global economy.

O 15079 Nguyen K ONLINE 09/19-10/16

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

ENTR 123, MARKETING TO ATTRACT CUSTOMERS AND GROW YOUR FREELANCE BUSINESS**1.0 UNIT**

Learn marketing as it applies to the freelance independent contractor. Learn market research, business development, branding, pricing, promotion, advertising, social media, sales, distribution and customer service. Understand how to identify and sell to a niche market. Learn how to market on a limited budget. Learn how to market yourself online.

O 15080 Vonheim E ONLINE 09/19-10/16

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

ENTR 124, SURVIVAL FINANCE AND ACCOUNTING FOR THE FREELANCER-SHOW ME THE MONEY**1.0 UNIT**

Learn personal finance, business finance and basic accounting. Learn financial survival tips for the freelancer. Understand sources of financing, cash and cash flow, QuickBooks, financial statements, pricing and profits, getting paid, accounts receivables and payables, record-keeping, budgeting and taxes. Understand how to open and operate your business on a limited budget.

O 15081 Staff ONLINE 10/17-11/13

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

ENTR 125, LAUNCH YOUR FREELANCE BUSINESS**1.0 UNIT**

Learn how to launch a freelance business. Set-up and manage your operations. Learn about office locations, business licenses, insurance, government regulations, lawyers, entity formation, intellectual property, health insurance, work-life balance, leadership, teamwork, management and human resources. Topics include managing yourself, managing others and working with subcontractors.

O 15082

Vonheim E

ONLINE

10/17-11/13

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

ENVIRONMENTAL STUDIES (ENVR)**ENVR 200, HUMAN ECOLOGY****3.0 UNITS**

A biological and physical science introduction to environmental problems such as energy, resources, pollution, land use, population and food, including economic and political factors. A natural science elective. (Same as Biology 200)

14946

10:05a-11:30a

M W

Staff

SC-208

Full Semester

ETHNIC STUDIES (ETHN)**ETHN 150, 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. A trans-disciplinary, multisectoral, and multidimensional approach will be employed to study the social, cultural, political, and economic aspects of four ethnic groups -- Native/First People Americans, African/Black Americans, Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicana/Latin/Latina/Latino/Latine/Latinx Americans, and Asian Americans. Emphasis is placed on these groups' historical and contemporary relationships with each other and the rest of American society-Duplicate credit not granted for ETHN 150H.

14176

10:05a-11:30a

M W

Camacho J

D-303

Full Semester

14179

6:30p-9:40p

Tu

Gonzalez T

D-213

Full Semester

O 14168

Valles 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.

O 14169

Valles 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.

O 14170

Valles 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.

O 14171

Valles 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.

ETHN 150H, HONORS 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. A trans-disciplinary, multisectoral, and multidimensional approach will be employed to study the social, cultural, political, and economic aspects of four ethnic groups - Native/First People Americans, African/Black Americans, Chicana/Chicano/Chican@/Chicanx/Xicana/Xicano/Xicana/Latin/Latina/Latino/Latine/Latinx Americans, and Asian Americans. Emphasis is placed on these groups' historical and contemporary relationships with each other and the rest of American society-Duplicate credit not granted for ETHN 150.

Prerequisite: A high school or college GPA of 3.0 or above.

14177

10:05a-11:30a

M W

Camacho J

D-303

Full Semester

FASHION DESIGN MERCHANDISING (FDM)**FDM 080, EMBROIDERY****1.5 UNITS**

Applied techniques of embroidered decorative embellishments using embroidery software and machinery.

12835

9:30a-11:50a

Sa

Staff

T-201

10/17-12/11

12:00p-3:35p

Sa

Staff

T-213

This class meets on-campus.

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

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

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

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

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

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

Low Cost or
Free Textbooks

 OER

 ZTC


Honors Courses:

 HONORS

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.

12837 1:00p-4:10p W Nance D T-201 Full Semester
This class meets on-campus.

 12836 Benson K ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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 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.

 12839 Melchor 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.

FDM 104, TEXTILE FIBERS AND FABRICS**3.0 UNITS**

This course is a study of textile fibers and fabrics, their production/development, environmental impact, selection, use and care of wearing apparel and home furnishings. The course also covers current and future textile production and how appropriate performance characteristics are incorporated into materials and products.

 12840 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.

13794 Elston L HYBRID Full Semester
9:00a-12:00p M Elston L T-201


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 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.

12848 Benson K HYBRID Full Semester
9:00a-12:05p Tu Benson K T-201


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


 12849 Benson 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.


12850 Benson K HYBRID 10/17-12/11
10:00a-2:05p F Benson K T-201


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


12851 Benson K ZOOM 10/17-12/11
Fully Online Instruction. Students are required to log in 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

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Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

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.

12841	11:00a-1:05p	Th	Bonsall L	ZOOM	Full Semester
	1:15a-4:25p	Th	Bonsall L	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.


12842	11:00a-1:05p	Th	Bonsall L	T-201	Full Semester
	1:15p-4:25p	Th	Bonsall L	T-201	

This class meets on-campus.

FDM 109, FLAT PATTERN TECHNIQUES**3.5 UNITS**

Students will learn to use flat pattern basic block for pivoting and spreading methods to transfer trade sketches into first pattern garments. Students will be required to sew their sample garments.

Recommended Preparation: Fashion Design Merchandising 105A.

 12854			Benson K	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

12856			Benson K	ONLINE	Full Semester
	1:00p-2:25p	Tu	Benson K	ZOOM	

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

FDM 110, CORSET CONSTRUCTION**3.0 UNITS**

Class covers historical and modern corsets. Students will build a corset from start to finish, including pattern drafting, boning construction, and fitting techniques. Students will also build a bustier dress.

Recommended Preparation: Fashion Design Merchandising 105A with a minimum grade of C.

12843	11:00a-1:05p	Th	Bonsall L	T-201	Full Semester
	1:15p-4:25p	Th	Bonsall L	T-201	


This class meets on-campus.

12844	11:00a-1:05p	Th	Bonsall L	ZOOM	Full Semester
	1:15p-4:25p	Th	Bonsall L	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.

FDM 111A, FASHION ILLUSTRATION TECHNIQUES**3.0 UNITS**

Application of the basic techniques of drawing fashion and garment flat trade sketches. Emphasis on current fashion industry design software Adobe Illustrator with some Photoshop. Pencils, markers, and watercolors are also incorporated.

 12852			Benson K	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

12853			Benson K	ZOOM	Full Semester
	9:00a-12:00p	W	Benson K	ZOOM	


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


FDM 112, ADVANCED FLAT PATTERN MARKING**3.5 UNITS**


Flat pattern drafting techniques applied to completing basic blocks and first patterns for pants and lined blazers/coats. Students are required to sew their sample garments. Included are various pattern drafting technique samples.


 12858			Benson K	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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Low Cost or
Free Textbooks

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Honors Courses:

 **HONORS**


12859			Benson K	ZOOM	Full Semester
	4:00p-5:00p	Tu	Benson K	ZOOM	

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

FDM 114, 3D DESIGN **3.0 UNITS**

This course will teach students how to create 3D garments in Clo3D/Marvelous Designer. This course will take students having no knowledge of 3D software to developing designs, doing fittings, and creating renders. By the end of the course students will also develop a portfolio of several projects.

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

 12860			Carrillo J	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

12861			Carrillo J	ZOOM	Full Semester
	6:00p-9:00p	W	Carrillo 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.

FDM 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.

12862	1:15p-2:40p	Tu	Ho J	T-201	Full Semester
	2:40p-3:10p	Tu	Ho J	T-201	
	1:15p-2:40p	Th		P-108	


This class meets on-campus.

FDM 299, COOPERATIVE WORK EXPERIENCE EDUCATION **1.0 - 6.0 UNITS**


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

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

Open Entry / Open Exit

 12846			Nance D	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 12847			Carrillo J	ONLINE	10/17-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

FIRE ACADEMY (FAC)**FAC 007, STRENGTH AND CONDITIONING FOR THE FIRE SERVICE** **2.0 UNITS**

Strength and conditioning course for students preparing for a career in the Fire Service. Emphasis will be placed on metabolic conditioning and strength development to meet the demand of fireground activities, attaining fireground movement competency and to obtain a passing score on the Physical Ability Test (PAT).

Corequisite: Concurrent enrollment in Fire Academy 050 and Fire Academy 060A.


15922	6:00a-8:15a	M W F	Minton-Longueay J	JPT-CN	08/22-12/02
	8:15a-8:25a	M W F	Minton-Longueay J	JPT-CN	

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.


15677	7:30a-8:30a	Su	Meloni J	JPT-CN	09/18-09/18
	8:30a-11:30a	Su	Meloni J	JPT-CN	
15679	7:30a-8:30a	Su	Meloni J	JPT-CN	10/09-10/09
	8:30a-11:30a	Su	Meloni J	JPT-CN	

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

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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15698	7:30a-8:30a	Su	Meloni J	JPT-CN	10/30-10/30
	8:30a-11:30a	Su	Meloni J	JPT-CN	
15703	7:30a-8:30a	Su	Meloni J	JPT-CN	11/20-11/20
	8:30a-11:30a	Su	Meloni J	JPT-CN	

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

15709	8:45a-10:45a	F	Coots C	CJTC-SD	Full Semester
15705	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

15714	8:45a-10:45a	F	Coots C	CJTC-SD	Full Semester
15710	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

15717	8:45a-10:45a	F	Coots C	CJTC-SD	Full Semester
15716	6:00p-8:00p	W	Coots C	CJTC-SD	Full Semester

FAC 031, FIRE SPECIALIST ACADEMY, VEHICLE RESCUE AND EXTRICATION

0.5 UNIT

A course in rescue incident management and includes police coordination/cooperation, assessment, triage, extrication, field equipment, and stabilization. Not offered every semester.

15936	8:30a-11:10a	M Tu W	Ramsey F	JPT-CN	11/21-11/23
	12:10p-2:50a	M Tu W	Staff	JPT-CN	










FAC 060A, BASIC FIRE ACADEMY- FIRE FIGHTER 1A STRUCTURE

10.0 UNITS

This course provides the first level of professional training needed to obtain California Fire Fighter 1 (2019) certification. Students will learn the skills and knowledge needed for the entry-level fire fighter to perform structural suppression activities. Key learning concepts include: fire fighter safety; communications; cleaning, maintaining, and utilizing equipment and tools; building construction and fire behavior; water supply; ladder operations; forcing entry into a structure; conducting search and rescue operations; attacking an interior structure fire; horizontal and vertical ventilation; property conservation; fire scene overhaul; fire fighter survival; and fire suppression with Class A materials, vehicles, and ground cover. Students are required to complete all applicable certification exams. All Fire Fighter 1 (2019) cognitive exam modules will be delivered through the State Fire Training User Portal. State Fire Training will issue IFSAC and Pro Board accredited certifications to all eligible applicants for California Fire Fighter 1 (2019) certification. Material fees required. Students must rent approved turn-outs and other personal protective equipment from designated vendor. Departmental approval required for enrollment.

Prerequisite: Fire Technology 101, 102, 103, 104, 105, 106, 121, and Fire Academy 008 with a minimum grade of C. And Fire Technology 121L with a minimum grade of P. And Current CPR Healthcare Provider certification or equivalent, and Possession of current NREMT (National Registry Emergency Medical Technician) Certification, and Prerequisite NFPA 1582 Medical Clearance dated within two years of the course start

15927	8:35a-10:05a	M Tu W Th F Sa Su	Ramsey F	JPT-CN	08/22-12/10
	10:05a-4:40p	M Tu W Th F Sa Su	Staff	JPT-CN	

 ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times	<p>Low Cost or Free Textbooks</p>  OER  ZTC <p>Honors Courses:</p>  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.	

SANTA ANA COLLEGE – FALL 2022 Page 121

FAC 060B, FIREFIGHTER 1B - HAZARDOUS MATERIALS/ WMD**1.0 UNIT**

This course provides the awareness skills and knowledge needed for the entry-level firefighter to recognize and identify hazardous materials and weapons of mass destruction (WMD), isolate hazards and deny entry, and initiate required notification. At the operations level, this course provides the skills and knowledge needed to identify incident scope; select, use, and inspect PPE; perform emergency decontamination; perform assigned tasks at a hazardous materials/WMD incident including product control techniques; and evaluate and report incident progress (2019). A California Firefighter 1 certification contains three levels of Professional Qualifications set by the National Fire Protection Association (NFPA). FF 1B includes the second level of professional qualifications: NFPA 1072: Hazardous Material Awareness and Operations. Material fees required.

15932	8:00a-11:40a	M Tu W Th F	Horner S	JPT-CN	08/15-08/19
	12:40p-2:20p	M Tu W Th F	Ramsey F	JPT-CN	

FAC 060C, FIREFIGHTER 1C - WILDLAND FIREFIGHTER 1**2.0 UNITS**

This course provides the skills and knowledge needed for the entry-level firefighter to recognize hazards and unsafe situations; don, doff, and maintain wild and personal protective equipment; deploy a fire shelter; maintain suppression hand tools and equipment; assemble and prepare for response; construct and secure a fire line; reduce the threat of fire exposure to improved properties; and mop up and patrol a fire area when working with wild land fires. Firefighter 1C, Wildland Course Plan (2016) A California Firefighter 1 certification contains three levels of Professional Qualifications set by the National Fire Protection Association (NFPA). FF1C includes the third level of professional qualifications: NFPA 1051: Wildland Firefighter 1. Material fees required. Students must rent approved turn-outs and other personal protective equipment from designated vendor. Departmental approval required for enrollment. Corequisite: Concurrent enrollment in Fire Academy 060A.

15930	4:40p-5:10p	M Tu W Th F Sa Su	Ramsey F	JPT-CN	08/22-12/10
	5:10p-5:50p	M Tu W Th F Sa Su	Staff	JPT-CN	

FAC 063, RESCUE SYSTEMS 1: BASIC RESCUE SKILLS**0.5 UNIT**

Designed for all emergency response personnel. Key topics include: Team organization, rescue, and environmental considerations, use of ropes, knots rigging and pulley systems, descending, rappelling, and belaying tools and techniques, subsurface rescue techniques, use of cribbing, wedges, cutting/prying and hydraulic tools, use of fire service ladders in specialized rescue situations, and day and night simulated rescue exercises. Additional materials fees may be required. Not offered every semester.

Prerequisite: Fire Academy 060, Basic Fire Academy with a minimum grade of C or equivalent training as determined by the Dean of Instruction of the Fire Academy. Student must provide proof of training at the first class meeting or be dropped from the course.

15935	8:30a-12:30p	M Tu W Th F	Ramsey F	JPT-CN	11/17-11/30
	1:30p-5:30p	M Tu W Th F	Staff	JPT-CN	




FAC 076, LOW ANGLE ROPE RESCUE OPERATIONAL**0.5 - 1.0 UNITS**


The Low Angle Rope Rescue Operational course is designed to provide training for responders in low angle rope rescue operations. These over-the-side operations may be the result of a vehicle accident, hiking mishap, swift water rescue, or search and rescue function in an urban or remote area. Materials fee may be required. Not offered every semester.


15934	8:35a-12:35p	W Th	Ramsey F	JPT-CN	Full Semester
	1:05p-7:45p	W Th	Staff	JPT-CN	


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.


	15725	8:35a-11:45a	M	Conroy 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.					
	15726	11:55a-3:05p	W	Flint J	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.					
	15727	7:00p-10:10p	Tu	Pesqueira N	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.					


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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

- O** 15721 Lunde T **ONLINE** 10/17-12/11
Fully Online Instruction. Students are required to log in 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** 15724 Lunde 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.

FTC 102, FIRE BEHAVIOR AND COMBUSTION **3.0 UNITS**

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

- O** 15730 11:55a-3:05p Tu Flint J **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.
- O** 15728 Lunde 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.
- O** 15729 Busch 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.
- 15731 Freeman S **HYBRID** Full Semester
3:20p-6:30p W Staff A-128
On-Campus Hybrid Instruction. A combination of on-campus meetings (Wednesdays 08/24, 09/14, 10/05, 11/02, and 11/30) and online instruction. Students log in to Canvas. canvas.sac.edu

FTC 103, PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL **3.0 UNITS**

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.

- O** 15735 8:35a-11:45a Th Mead F **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.
- 15734 7:00p-10:10p W Horner S **A-128** Full Semester
This class meets on-campus.
- O** 15732 Horner 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.
- O** 15733 Mead F **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.

FTC 104, FIRE PREVENTION **3.0 UNITS**

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.

- O** 15739 8:35a-11:45a Tu Freeman S **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.
- O** 15738 7:00p-10:10p M Freeman S **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.
- O** 15736 Muir 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.
- O** 15737 Freeman 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.

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

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

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

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

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

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

Low Cost or Free Textbooks

 **OER**

 **ZTC**




Honors Courses:

 **HONORS**

FTC 105, BUILDING CONSTRUCTION FOR FIRE PROTECTION

3.0 UNITS





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.*

	15743	11:55a-3:05p	W	Conroy 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.					
	15742	3:20p-6:30p	Th	Busch M	A-128	Full Semester
	This class meets on-campus.					
	15740			Muir 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.					
	15741			Muir 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.					

FTC 106, FIRE PROTECTION SYSTEMS

3.0 UNITS


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.*










	15747	8:35a-11:45a	W	Freeman S	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.					
	15746	11:55a-3:05p	Th	Freeman S	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.					
	15744			Horner 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.					
	15745			Pesqueira 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.					

FTC 121, PHYSICAL FITNESS FOR PUBLIC SAFETY PERSONNEL

3.0 UNITS

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.*

	15860	8:35a-11:45a	Th	Meloni J	A-128	Full Semester
	This class meets on-campus.					
	15805	11:55a-3:05p	M	Leafblad R	A-128	Full Semester
	This class meets on-campus.					
	15808	11:55a-3:05p	W	Leafblad R	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.					
	15780			Berger 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.					
	15803			Meloni 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.					

	ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times	<p>Low Cost or Free Textbooks</p>  OER  ZTC <p>Honors Courses:</p>  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.	

FTC 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.

15801 **Berger N** **HYBRID** **Full Semester**
On-Campus Hybrid and Virtual instruction. A combination of on-campus and live streaming meetings during the days and times indicated. Students log in to Canvas. canvas.sac.edu All registered FTC 121L students must attend ONE of the five scheduled orientations by online instruction/Zoom: Mon. 08/22, 3:15p-4:05p; Tues. 08/23, 6:00p-6:50p; Wed. 08/24, 3:15p-4:05p; Wed. 08/24, 6:00p-6:50p; Thurs. 08/25, 11:55a-12:45p. 16.0 hours to be arranged

15804 **Meloni J** **HYBRID** **Full Semester**
On-Campus Hybrid and Virtual instruction. A combination of on-campus and live streaming meetings during the days and times indicated. Students log in to Canvas. canvas.sac.edu All registered FTC 121L students must attend ONE of the five scheduled orientations by online instruction/Zoom: Mon. 08/22, 3:15p-4:05p; Tues. 08/23, 6:00p-6:50p; Wed. 08/24, 3:15p-4:05p; Wed. 08/24, 6:00p-6:50p; Thurs. 08/25, 11:55a-12:45p. 16.0 hours to be arranged

15806 **Leafblad R** **HYBRID** **Full Semester**
On-Campus Hybrid and Virtual instruction. A combination of on-campus and live streaming meetings during the days and times indicated. Students log in to Canvas. canvas.sac.edu All registered FTC 121L students must attend ONE of the five scheduled orientations by online instruction/Zoom: Mon. 08/22, 3:15p-4:05p; Tues. 08/23, 6:00p-6:50p; Wed. 08/24, 3:15p-4:05p; Wed. 08/24, 6:00p-6:50p; Thurs. 08/25, 11:55a-12:45p. 16.0 hours to be arranged

15809 **Leafblad R** **HYBRID** **Full Semester**
On-Campus Hybrid and Virtual instruction. A combination of on-campus and live streaming meetings during the days and times indicated. Students log in to Canvas. canvas.sac.edu All registered FTC 121L students must attend ONE of the five scheduled orientations by online instruction/Zoom: Mon. 08/22, 3:15p-4:05p; Tues. 08/23, 6:00p-6:50p; Wed. 08/24, 3:15p-4:05p; Wed. 08/24, 6:00p-6:50p; Thurs. 08/25, 11:55a-12:45p. 16.0 hours to be arranged

15861 **Meloni J** **HYBRID** **Full Semester**
On-Campus Hybrid and Virtual instruction. A combination of on-campus and live streaming meetings during the days and times indicated. Students log in to Canvas. canvas.sac.edu All registered FTC 121L students must attend ONE of the five scheduled orientations by online instruction/Zoom: Mon. 08/22, 3:15p-4:05p; Tues. 08/23, 6:00p-6:50p; Wed. 08/24, 3:15p-4:05p; Wed. 08/24, 6:00p-6:50p; Thurs. 08/25, 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.

13867	10:05a-12:35p	Tu Th	Curilli C	D-304	Full Semester
14102	4:25p-6:55p	W	Nabulsi A	ONLINE	Full Semester
			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. This section has 5 mandatory Zoom meetings on Wednesdays, 8/24, 9/21, 10/19, 11/16, and 12/7 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.


 14103	4:25p-6:55p	M	Nguyen M	ONLINE	Full Semester
			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. This section has 5 mandatory Zoom meetings on Mondays, 8/22, 9/19, 10/17, 11/14, and 12/5 from 4:25 -6:55 p.m.

 **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**

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.

13422	8:00a-9:50a	Tu Th	Conley J	D-202	09/05-12/11
14808	8:30a-9:55a	Tu Th	Jones B	SAM	Full Semester


This section is a dual enrollment class open to Samueli High School(SAM) students only.

 13424			Courter W	ONLINE	09/05-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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.

13423	10:00a-11:50a	Tu Th	Conley J	D-202	09/05-12/11
 13425			Courter W	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.

 13426			Courter W	ONLINE	09/05-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 13427			Courter W	ONLINE	10/17-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

GEOG 101L, INTRODUCTION TO THE NATURAL ENVIRONMENT LABORATORY**1.0 UNIT**

Laboratory exercises and experiments designed to explore and understand the primary areas of physical geography. Exercises and applications related to map scales and projections, stereoscopic, topographic and aerial photo interpretation, meteorological tools and models and weather prognostication, geomorphologic models and processes, and landform interpretation.

Corequisite: Concurrent enrollment in Geography 101.

 13429			Courter W	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 13430			Courter W	ONLINE	10/17-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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.

 13433			Courter W	ONLINE	09/05-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


GEOG 140, CALIFORNIA GEOGRAPHY**3.0 UNITS**

A thematic approach to the state's issues, processes and topics relevant to the geography including climate, landforms, natural vegetation, water resources, cultural landscape, ethnic diversity, urban and agricultural regions, and the economy. This course explores the physical, and human landscapes that have evolved as a result of the human-environment interface.


 13434			Conley J	ONLINE	09/05-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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Low Cost or
Free Textbooks

 **OER**


 **ZTC**

Honors Courses:


 **HONORS**

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.

13522	10:05a-11:30a	Tu Th	Deluna D	D-103	Full Semester
13523	10:05a-11:30a	M W	Deluna D	D-103	Full Semester
13524	1:15p-2:40p	M W	Deluna D	D-103	Full Semester
 13520			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.

 13525			Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

HIST 101H, HONORS WORLD CIVILIZATIONS TO THE 16TH CENTURY**3.0 UNITS**


An enriched approach designed for honors students that includes individual research as well as small group analysis of historical problems. Emphasis on the development of world civilizations and their interrelationships, basic ideas, institutions, personalities, and artistic achievements from the earliest beginnings to the sixteenth century.

 13521			Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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.

 13526			Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 13527			Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 13528			Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


 13529			Staff	ONLINE	10/17-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


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.

13593	6:30p-9:40p	Tu	Staff	D-212	Full Semester
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 13594			Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 13596			Staff	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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.


13530	8:30a-9:55a	M W	Medina M	D-103	Full Semester
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13532	10:05a-11:30a	Tu Th	Medina M	D-212	Full Semester
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13531	1:15p-2:40p	M W	Medina M	D-105	Full Semester
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13534	6:30p-9:40p	M	Deluna D	D-103	Full Semester
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 **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

O	13535		Guzman 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 . Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There will be no instructional meetings.				
O	13536		Ramirez 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.				
O	13570		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.				
O	13572		Staff	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.				

HIST 120H, HONORS THE UNITED STATES TO 1877**3.0 UNITS**

Seminar-style, content-enriched course for Honors students that examines major political, economic, intellectual, and social forces at home and abroad shaping American life from the colonial period through Reconstruction.

13533	10:05a-11:30a	Tu Th	Medina M	D-212	Full Semester
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HIST 121, THE UNITED STATES SINCE 1865**3.0 UNITS**

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

13578	8:30a-9:55a	Tu Th	Medina M	D-212	Full Semester
13581	10:05a-11:30a	M W	Medina M	D-212	Full Semester
13584	1:15p-2:40p	Tu Th	Deluna D	D-103	Full Semester
13590	6:30p-9:40p	Tu	Ramirez A	D-103	Full Semester

O	13587		Lange 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 . 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. There will be no instructional meetings.				

O	13589		Lange 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 . 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. There will be no instructional meetings.				

O	13591		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.				

O	13592		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.				

HIST 124, MEXICAN AMERICAN HISTORY IN THE UNITED STATES**3.0 UNITS**

Survey of Mexican American history in the U.S. from the Pre-Columbian period to the present. Emphasis on Mexican American contributions to the political, social, economic, and cultural development of the U.S. Will also examine the relationship of Mexican Americans to other cultural groups.

13606	8:30a-9:55a	Tu Th	Guzman K	D-213	Full Semester
13601	1:15p-2:40p	Tu Th	Guzman K	D-212	Full Semester
13609	6:30p-9:40p	W	Ramirez A	D-212	Full Semester

O	13598		Guzman 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.				

O	13600		Guzman 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.				

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

O 13608 Ramirez 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.

13612 Staff ONLINE 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.

13603 1:15p-2:40p Tu Th Guzman K D-212 Full Semester

HIST 125, NATIVE AMERICANS IN THE U.S. 3.0 UNITS

An historical and contemporary survey of Native Americans in the United States, including the development of tribes and nations, and the cultural practices of Native Americans today. Field trips may be required.

O 13615 Ramirez 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.

HIST 127, WOMEN IN U.S. HISTORY 3.0 UNITS

Women of European, African, Native, Hispanic, and Asian backgrounds examined in U.S. 1607-present. Emphasis on individuation, social status, family, reproduction, child care, slavery, jobs, and political activism. Legal impact and theories of patriarchal oppression raised.

13614 10:05a-11:30a M W Lange M I-107 Full Semester

O 13613 Lange 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.

HIST 150, LATIN AMERICAN CIVILIZATION TO INDEPENDENCE 3.0 UNITS

A study of Latin American civilization from the Indian, African, and European origins to Independence. Topics include native cultures, Spanish and Portuguese colonialism, the evolution of regional societies, and intellectual trends.

13617 11:40a-1:05p M W Lange M I-107 Full Semester

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.

O 13620 Lange 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.

INTERDISCIPLINARY STUDIES (IDS)

IDS 155, HUMAN SEXUALITY 3.0 UNITS

An interdisciplinary review of the biological, historical, social, and psychological influences on human sexuality across the lifespan. This course will more closely focus on the gender spectrum, anatomy, sexual orientations, attraction, love, reproduction, conception, contraception, sexually transmitted infections, sexual coercion, and overall sexual health.

15022 10:05a-11:30a Tu Th Staff SC-113-1 Full Semester

ITALIAN (ITAL)

ITAL 120, ELEMENTARY ITALIAN I 5.0 UNITS

Pronunciation, grammar, speaking, reading, listening, writing, common idioms, and cultural insights. Italian 120 is equivalent to 2 years of high school Italian.

14104 Mehr M ONLINE 09/05-12/11
10:05a-12:35p 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. This course will meet via Zoom on Wednesdays from 10:05 a.m. to 12:35 p.m.

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

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

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

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

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


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

Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

JAPANESE (JAPN)**JAPN 101, ELEMENTARY JAPANESE I****5.0 UNITS**

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.

13868	1:15p-3:45p	Tu Th	Brenish S	D-302	Full Semester
14105			Ito M	ONLINE	Full Semester
	10:05a-12:35p	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.

This section has 5 mandatory Zoom meetings on Wednesdays, 8/24, 9/21, 10/19, 11/16, and 12/7 from 10:05 a.m. -12:35 p.m.

JAPN 102, ELEMENTARY JAPANESE II**5.0 UNITS**

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.

14106			Ito M	ONLINE	Full Semester
	1:15p-3:45p	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.

This section has 5 mandatory Zoom meetings on Wednesdays, 8/24, 9/21, 10/19, 11/16, and 12/7 from 1:15 -3:45 p.m.

KINESIOLOGY ACTIVITIES (KNAC)**KNAC 107A, BEGINNING BADMINTON****1.0 UNIT**

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.

15111	11:40a-1:05p	M W	Nyssen A	G-105	Full Semester
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Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

KNAC 107B, INTERMEDIATE BADMINTON**1.0 UNIT**

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.

15112	11:40a-1:05p	M W	Nyssen A	G-105	Full Semester
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Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

KNAC 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

15113	11:40a-1:05p	M W	Nyssen A	G-105	Full Semester
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Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

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

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

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

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

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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

KNAC 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.

O **15267** **Jones G** **ONLINE** **08/22-10/16**
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.

O **15280** **Jones G** **ONLINE** **10/17-12/11**
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.

O **15281** **Jones G** **ONLINE** **10/17-12/11**
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.

O **15284** **Jones G** **ONLINE** **08/22-10/16**
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.

O **15286** **Jones G** **ONLINE** **10/17-12/11**
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.

O **15289** **Jones G** **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 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. LOCATION: CENTURY HIGH SCHOOL

O **15294** **Baquero J** **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 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

KNAC 140A, BEGINNING KARATE**1.0 UNIT**

This course is designed to offer instruction in the Japanese art of Karate for beginning level students. Basic movements such as stances, blocking, kicking and striking are taught. This course is offered as a half unit or one unit class and may not be repeated.

15297 **Staff** **HYBRID** **Full Semester**
8:30a-9:55a **M W** **Staff** **W-107**

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

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 basis yoga postures. These postures are designed to improve muscle tone and flexibility, as well as helping with breath control, relaxation, and unity of mind, body, and spirit. This course is offered as a half unit or one unit class and may not be repeated.

15301 **Staff** **W-107** **Full Semester**
10:05a-11:30a **Tu Th**

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

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

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

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

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

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

Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

KNAC 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.

15389 6:30p-6:40p Tu Staff W-111 Full Semester

KNAC 170A, BEGINNING YOGA**1.0 UNIT**

This course is designed to increase flexibility and core muscle strength as a way of improving and enhancing physical and mental alertness through beginning yoga postures. Emphasis will be placed on mind body preparation and the proper technique necessary to perform these postures. This course is offered as a half unit or one unit class and may not be repeated.

15393 5:30p-8:40p Tu Staff ZOOM Full Semester

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

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

15296 Staff HYBRID Full Semester

6:55a-8:20a M W Staff W-107

6:55a-8:20a M W ZOOM

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

KNAC 260A, BEGINNING SOCCER**1.0 UNIT**

This course is an introduction to the beginning skills and rules associated with the sport of soccer. Emphasis will be placed on the proper technique used for these beginning skills as well as FIFA Laws of the Game. This course is offered as a half unit or one unit class and may not be repeated.

15312 8:00a-11:10a F Staff G-118 Full Semester

KNAC 260B, INTERMEDIATE SOCCER**0.5 - 1.0 UNIT**

This course is designed to review and solidify the proper techniques associated with outdoor soccer and FIFA Laws of the Game. The intermediate skills necessary as well as the tactical aspects of the game will be introduced. Emphasis will be placed on improving the students technical abilities and tactical team formations used in the game of soccer. This course is offered as a half unit or one unit class and may not be repeated.

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

15313 8:00a-11:10a F Staff G-118 Full Semester

KNAC 260C, ADVANCED SOCCER 1.0 UNITS

This course is designed to review and solidify the proper techniques associated with intermediate level outdoor soccer as well as the tactical aspects that were introduced. Emphasis will be placed on complete technical and tactical match preparedness and awareness. This course is offered as a half unit or one unit class and may not be repeated.

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

15315 8:00a-11:10a F Staff G-118 Full Semester

KINESIOLOGY ADAPTED ACTIVITIES (KNAD)**KNAD 202A, BEGINNING ADAPTED CIRCUIT TRAINING****1.0 UNIT**

This class is designed for students with disabilities and chronic conditions to experience the benefits of circuit training. Individualized exercise programs are designed to teach students adaptive strategies and beginning level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

15165 8:30a-9:55a Tu Th Sos B W-106 Full Semester

KNAD 202B, INTERMEDIATE ADAPTED CIRCUIT TRAINING**1.0 UNIT**

The class is designed for students with disabilities and chronic conditions to increase their knowledge and skills competence in circuit training. Individualized exercise programs are designed to teach students adaptive strategies and intermediate level techniques to meet their individual needs. This course is offered as a half-unit or one-unit class and may not be repeated.

Prerequisite: Kinesiology Adapted Activities 202A with a minimum grade of C and Adapted Kinesiology Medical Release Form required.

15167 8:30a-9:55a Tu Th Sos B W-106 Full Semester

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

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

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

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

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Low Cost or
Free Textbooks

 **OER**


 **ZTC**


Honors Courses:

 **HONORS**

KINESIOLOGY AEROBIC FITNESS (KNAF)**KNAF 140A, BEGINNING WALKING/JOGGING FOR FITNESS****1.0 UNIT**


This course will emphasize cardiovascular walking/jogging for health and fitness for men and women who are interested in instruction and practice in cardiovascular conditioning. The walking/jogging class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through aerobic and anaerobic conditioning. This course is offered as a half unit or one unit class and may not be repeated.

 15351	Staff	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			

 15353	Staff	ONLINE	10/17-12/11
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			

KNAF 150A, BEGINNING STRETCH, FLEX AND TONE**1.0 UNIT**

A combination of stretching and toning exercises to increase strength, flexibility, and overall body fitness. This course is offered as a half unit or one unit class and may not be repeated.

 15251	Staff	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 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			

KINESIOLOGY 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.

15374	10:20a-11:45a	M W	Staff	G-121	Full Semester
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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.

15377	10:20a-11:45a	M W	Staff	G-121	Full Semester
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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.

15327	11:40a-1:50p	Tu Th	Staff	E-102	09/20-12/08
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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.


15337	11:40a-1:50p	Tu Th	Staff	E-102	09/20-12/08
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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.


15344	11:40a-1:50p	Tu Th	Staff	E-102	09/20-12/08
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 **ONLINE:** Fully Online Instruction - Time-flexible online course with no scheduled meeting times

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

15318	8:30a-9:55a	M W	Staff	G-103	Full Semester
15323	8:30a-9:55a	Tu Th	Staff	G-103	Full Semester
15321	10:05a-11:30a	M W	Staff	G-103	Full Semester
15325	6:00p-7:25p	M W	Staff	G-103	Full Semester

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

15319	8:30a-9:55a	M W	Staff	G-103	Full Semester
15324	8:30a-9:55a	Tu Th	Staff	G-103	Full Semester
15322	10:05a-11:30a	M W	Staff	G-103	Full Semester
15326	6:00p-7:25p	M W	Staff	G-103	Full Semester



KINESIOLOGY HEALTH EDUCATION (KNHE)**KNHE 101, HEALTHFUL LIVING****3.0 UNITS**


A comprehensive look at factors that impact people's health, longevity and lifetime wellness designed for honors students. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety.


	15123	Nyssen 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.				
	15254	Breig D	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in 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.				
	15255	Breig D	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in 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.				
	15295	Baquero J	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.				
	15386	Staff	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.				


KNHE 102, WOMEN'S HEALTH ISSUES**3.0 UNITS**


An investigation into traditional and holistic health topics with a special emphasis on women's issues, considering all aspects and concepts of social and political influences, nutrition and fitness, relationships, sexuality, reproductive issues, and careers. Through analysis of these topics, students apply methods to healthy lifestyle choices.


	15355	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.				
	15357	Staff	ONLINE	09/19-12/11
Fully Online Instruction. Students are required to log in 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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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

O	15258	Breig D	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in 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.			

KNHE 104, NUTRITION AND FITNESS**2.0 UNITS**

An applied nutrition course to improve the nutrition and health of active individuals. The course will focus on lifestyle, disease prevention, fitness, weight control, and the basic concepts of good nutrition.

O	15349	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. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			

O	15350	Staff	ONLINE	09/19-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			

O	15380	Staff	ONLINE	08/22-10/16
	Fully Online Instruction. Students are required to log in 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.			

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.

15352	Staff	HYBRID	Full Semester
6:00p-10:00p	F	G-107	
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

O	15366	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.			
O	15370	Staff	ONLINE	10/17-12/11
	Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.			

KINESIOLOGY INTERCOLLEGIATE ATHLETICS (KNIA)**KNIA 128, CONDITIONING FOR ATHLETES****1.0 UNIT**

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.

15119	2:30p-3:55p	Tu Th	Gonzales F	G-102	Full Semester
15100	3:35p-5:00p	M W	Breig D	G-103	Full Semester

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

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

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

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

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

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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

KNIA 202, BASKETBALL-MEN**3.0 UNITS**

This course is designed for student athletes with exceptional basketball talent so they may compete in intercollegiate basketball. Emphasis is placed upon application of collegiate basketball rules and regulations, offensive and defensive skills and strategies, and mental set for competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to intercollegiate competition.

15107	1:25p-3:25p	M Tu W Th F	Breig D	G-105	Full Semester
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KNIA 204, FOOTBALL-MEN**3.0 UNITS**

This course is designed for students with exceptional football talent so they may compete in intercollegiate football. The program provides competition with conference colleges as well as with other California community colleges. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

Material Fee(s): \$25.00

15097	2:30p-5:00p	M Tu W Th F	Nyssen A	G-113	08/22-11/18
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Section 15097 is for designated defensive players

15098	2:30p-5:00p	M Tu W Th F	White A	G-113	08/22-11/18
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Section 15098 is for designated offensive players

KNIA 210, WRESTLING-MEN**3.0 UNITS**

This course is designed for student athletes with exceptional combative skills so they may compete in intercollegiate wrestling. Emphasis is placed on successful techniques and strategies for intercollegiate competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

Recommended Preparation: High school or higher level wrestling experience.

15272	4:00p-6:00p	M Tu W Th F	Staff	W-111	Full Semester
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KNIA 212, BASKETBALL-WOMEN**3.0 UNITS**

This course is designed for student-athletes with exceptional basketball talent so they may compete in intercollegiate competition. Emphasis is placed upon application of collegiate basketball rules and regulations, offensive and defensive skills and strategies, and mental set for competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

15155	3:35p-5:25p	M W F	Staff	G-105	Full Semester
	5:25p-7:25p	Tu Th	Staff	G-105	

KNIA 213, VOLLEYBALL-WOMEN**3.0 UNITS**

This course is designed for student athletes with exceptional volleyball talent so they may compete in intercollegiate competition. Emphasis will be placed on advanced technical skill development, offensive and defensive systems analysis, sport specific physical fitness. Students must meet the California Community College Athletic Association eligibility requirements and pass a health screening prior to intercollegiate competition.

15266	2:00p-4:00p	M	Staff	W-107	Full Semester
	3:25p-5:25p	Tu Th	Staff	G-105	
	5:25p-7:25p	W F		G-105	

KNIA 216, SOCCER-MEN**3.0 UNITS**

This soccer class is designed for student-athlete sport competition. Emphasis is placed on advanced technical and tactical development. Students must meet CCCAA eligibility requirements and pass a health screening prior to competition.

15150	2:50p-4:50p	M Tu W Th F	Staff	G-118	Full Semester
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KNIA 219, CROSS COUNTRY-WOMEN**3.0 UNITS**

This course is designed for student athletes with advanced running skills so they may compete in intercollegiate cross country. Emphasis is placed upon application of cross country techniques, advanced training modalities, rules and regulations of the sport and strategies for successful intercollegiate competition. Students must meet CCCAA eligibility requirements and pass a health screening prior to participation.

15261	1:30p-3:30p	M Tu W Th F	Staff	G-113	Full Semester
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KNIA 220, SOCCER-WOMEN**3.0 UNITS**

This soccer class is designed for student-athlete sport competition. Emphasis is placed on advanced technical and tactical development. Students must meet CCCAA eligibility requirements and pass a health screening prior to competition.

15256	1:30p-3:55p	M Tu W Th F	Baquero J	G-118	08/22-11/25
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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

KNIA 223, BASEBALL**1.0 UNIT**

This course is designed for skill development and conditioning for intercollegiate baseball players. Emphasis is placed upon instruction and training in the skills, fundamentals, knowledge, strategies, conditioning, and teamwork required for intercollegiate level baseball. This course is offered as a half-unit or one-unit class in the class schedule.

15270

Staff

G-115

Full Semester

Section 15270, meet in room W-101 on Monday, August 22 at 3:30pm

KNIA 235, 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.

15268

11:50a-1:15p

M W

Staff

G-114

Full Semester

15156

2:00p-2:55p

M W

Staff

G-103

Full Semester

15263

3:10p-4:05p

Tu Th

Staff

G-120

Full Semester

KNIA 271, SOFTBALL - OFF SEASON**0.5 - 1.0 UNITS**

This course is designed for skills development and conditioning for exceptional softball players interested in intercollegiate competition. Basic skills and fundamentals of catching, throwing, pitching, hitting and baserunning will be discussed. Offensive and defensive techniques and strategies will be practiced. This course is offered as a half-unit or one-unit class.

15264

1:30p-3:00p

Tu W Th

Staff

G-120

08/23-11/17

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.

15124

10:05a-11:30a

Tu Th

Sos B

W-101

Full Semester



15125

Sos B

ONLINE

08/22-10/16

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



15162

Sos B

ONLINE

10/17-12/11

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

KNPR 110, KINESIOLOGY-RELATED OCCUPATIONAL WORK EXPERIENCE**1.0 UNIT**

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.

KNSM 101: Students must be concurrently enrolled or have completed KNKM 101 or the Fitness Specialist Certificate Program.

Application must be approved by the Kinesiology Department Chair.

Open Entry / Open Exit

15369

Staff

Full Semester

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.



15375

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. 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.



15376

Staff

ONLINE

10/17-12/11

Fully Online Instruction. Students are required to log in 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.

Low Cost or
Free Textbooks

OER

ZTC

Honors Courses:

HONORS

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.

O 15118 Nysse 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. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 15378 Staff ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

KNPR 156, SPORT PSYCHOLOGY APPLICATIONS - SOCCER**2.0 UNITS**

This course provides advanced mental training to improve soccer performance. Theories, strategies, and best practices include; mental set, arousal and performance, mental imagery, and motivation as they pertain to preparing for soccer competition. Students will develop necessary knowledge and skills to prepare for intercollegiate competition as well as self-assess readiness for transfer and the selection of transfer program.

Open Entry / Open Exit

15253 Baquero J HYBRID Full Semester
11:55a-12:45p Tu Staff F-102
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

KNPR 170, SPORT ETHICS**3.0 UNITS**

A class designed to examine ethics, moral questions, and value judgements related to sport. Its approach allows students to follow and analyze ethical arguments, think through philosophical issues, and apply them to the artistic expression of sport as well as everyday life.

O 15385 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. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 15387 Staff ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

KNPR 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 NIAA transfer requirements, growth mindset in athletics, college success skills, and time management.

O 15110 Breig D ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in 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.

O 15144 Jones G ONLINE 08/22-11/20
Fully Online Instruction. Students are required to log in 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.

O 15146 Jones G ONLINE 08/22-11/20
Fully Online Instruction. Students are required to log in 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.

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Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

O 15148 Jones G ONLINE 08/22-11/20
Fully Online Instruction. Students are required to log in 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 196, SPORT PSYCHOLOGY APPLICATIONS - BASEBALL 2.0 UNITS
This class provides advanced mental training to improve baseball performance. Theories, strategies, and best practices include; mental set, arousal and performance, mental imagery, and motivation as they pertain to preparing for baseball competition. Students will develop necessary knowledge and skills to prepare for intercollegiate competition as well as self-assess readiness for transfer and the selection of transfer program.

Open Entry / Open Exit

15363 1:25p-2:20p M W Staff W-101 Full Semester

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.

O 15361 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.

KNPR 275, SPORT PSYCHOLOGY APPLICATIONS-FOOTBALL 2.0 UNITS
This class provides advanced mental training to improve performance in football. Theories, strategies, and best practices include; mental set, arousal and performance, mental imagery, and motivation as they pertain to preparing for competition. Students will develop necessary knowledge and skills to prepare for intercollegiate competition as well as self-assess readiness for transfer and the selection of transfer program.

15096 5:10p-6:00p M W F Nyssen A F-102 08/22-11/18

KINESIOLOGY SPORTS MEDICINE (KNSM)

KNSM 101, INTRODUCTION TO SPORTS MEDICINE 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.

15300 8:30a-9:55a Tu Th Staff F-103 Full Semester

LAW (LAW)

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.

14715 6:00p-9:10p Th De La Torre M ZOOM Full Semester

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.

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

14716 10:30a-11:30a M W Robinson K HYBRID Full Semester
Robinson K 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 Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

O 14732 Smith K ONLINE Full Semester
 7:00p-8:00p 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. 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.

14741 Williamson K ONLINE 10/17-12/11
 9:00a-1:05p 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.

LAW 105, THE LEGAL ENVIRONMENT OF BUSINESS 3.0 UNITS

Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations.

14693 10:20a-11:45a Tu Th Robinson K ZOOM Full Semester
 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.

14680 11:55a-1:20p M W Sauber D ZOOM Full Semester
 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.





14705 6:00p-9:10p W Liang M A-130 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. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.

O 14632 Salling T ONLINE 10/17-12/11
 Fully Online Instruction. Students are required to log in 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.

O 14637 Harman 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. 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.

O 14645 Smith K ONLINE 08/22-10/16
 Fully Online Instruction. Students are required to log in 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.

O 14658 Manzano F ONLINE 10/17-12/11
 Fully Online Instruction. Students are required to log in 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.

O ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times	   Honors Courses: 
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O 14664 **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. LAW 105 is the same as BUS 105 - students can receive credit for only one class BUS 105 OR LAW 105.

O 14673 **Robinson K** **ONLINE** **10/17-12/11**
Fully Online Instruction. Students are required to log in 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. Online Degree Pathway course. Registration is open for all students.

LAW 110, LEGAL TERMINOLOGY SPANISH/ENGLISH **2.0 UNITS**
The study of terminology used in a law office and the court system.

O 14744 **Manzano F** **ONLINE** **10/17-12/11**
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

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.

O 14747 **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.

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.

O 15410 **Russo 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. There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

LIBR 054, CHILDREN'S LIBRARY SERVICES **3.0 UNITS**
Course explores standard library procedures and practices as they are adapted to a children's library situation. Each student has practice evaluating materials and using various methods for sharing literature with children, e.g. reading aloud, storytimes, displays, and bibliographies.

O 15412 **Lopez 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.

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.

O 15404 **Turner E** **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.

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

LIBR 102, INFORMATION SOURCES FOR PARAPROFESSIONALS: TOOLS AND TECHNIQUES**3.0 UNITS**

An introduction to information sources in both print and electronic formats. Includes a basic theoretical and practical exploration of the nature and types of information in selected subject fields. Builds skills in information searching and in the evaluation of information and information sources.

O 15408

King 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 Zero Textbook Cost (ZTC) class.

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.

O 15042

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

15045

6:00p-8:00p

W

Shweiri G

ONLINE

08/22-10/16

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 a \$20 material fee with no additional textbook cost.

MGMT 121, HUMAN RELATIONS AND ORGANIZATIONAL BEHAVIOR**3.0 UNITS**

The role of the manager and management's relationship to employees. Includes the application of motivational theories, communications, leadership, and organizational structure.

15051

6:00p-8:00p

W

Kilroy M

ONLINE

10/17-12/11

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.

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.

O 15085

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. 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.

MANUFACTURING TECHNOLOGY (MNFG)**MNFG 096, MANUFACTURING TECHNOLOGY LAB APPLICATION****0.5 - 3.0 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 27 lab hours for each .5 unit of credit. May be repeated up to the maximum number of units.

MNFG 174 or 176 or 184 or 186 or 194: Manufacturing Technology 174 or Manufacturing Technology 176 or Manufacturing Technology 184 or Manufacturing Technology 186 or Manufacturing Technology 194.

15759

8:30a-10:30a

Sa

Rios J

T-203

Full Semester

This class meets on-campus.

15757

9:00a-11:00a

Sa

Singh N

T-107

Full Semester

This class meets on-campus.

15763

10:30a-12:30p

Sa

Staff

T-107

Full Semester

This class meets on-campus.

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


SANTA ANA COLLEGE – FALL 2022 Page 142

15764	1:00p-3:00p	Sa	Staff	T-107	Full Semester
			This class meets on-campus.		
15765	3:00p-5:00p	Sa	Staff	T-107	Full Semester
			This class meets on-campus.		
15753	5:00p-7:00p	M	Staff	T-107	Full Semester
			This class meets on-campus.		
15754	5:00p-7:00p	W	Staff	T-107	Full Semester
			This class meets on-campus.		
15755	5:30p-7:30p	Tu	Staff	T-107	Full Semester
			This class meets on-campus.		
15756	5:30p-7:30p	Th	Staff	T-107	Full Semester
			This class meets on-campus.		
15758	7:00p-9:00p	M	Singh N	T-107	Full Semester
			This class meets on-campus.		
15760	7:30p-9:30p	W	Singh N	T-107	Full Semester
			This class meets on-campus.		
15761	7:30p-9:30p	Th	Singh N	T-107	Full Semester
			This class meets on-campus.		
15762	7:30p-9:30p	Tu	Singh N	T-107	Full Semester
			This class meets on-campus.		

MNFG 103, SOLIDWORKS BEGINNING SOLID MODELING**3.0 UNITS**

Introductory course in parametric solid modeling using Solidworks, an industry standard engineering design software (CAD). This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc.), including the preparation of individual solid components and basic solid model assemblies.


15766	7:00p-10:10p	F	Buechler M	T-203	Full Semester
			This class meets on-campus.		

 15767			Buechler 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.				

MNFG 104, SOLIDWORKS INTERMEDIATE SOLID MODELING**3.0 UNITS**

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.


Prerequisite: Manufacturing Technology 103 or Engineering 103 with a minimum grade of C.

 15768			Corley 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.				

MNFG 105, SOLIDWORKS ADVANCED SOLID MODELING**3.0 UNITS**

Advanced course for solid modeling includes a review of the intermediate class and changes to the Solidworks interface. Instruction in the use of Solidworks part modeling, assembly modeling, sub-assemblies, advanced photoworks, and advanced animator emphasized (Same as Engineering 105).


Prerequisite: Manufacturing Technology 104 or Engineering 104 with a minimum grade of C.


 15769			Corley 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.				


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


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


15770	5:00p-7:05p	F	Bright T	R-126	Full Semester
			This class meets on-campus.		

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

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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

Drawing interpretation utilizing geometric dimensioning and tolerancing per ASME Y14.5M (formerly ANSI Y14.5M) as applied in engineering, manufacturing, and inspection. Suggested preparation: prior course or experience in drafting with conventional dimensioning and tolerancing.

O 15771

Corley 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.

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.

15772

Staff

Full Semester

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.

O 15775

Zonin 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.

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)

15779

8:30a-9:20a

Sa

Stillwell D

T-101

Full Semester

9:30a-1:05p

Sa

Stillwell D

T-107

1:45p-5:20p

Sa

T-107

This class meets on-campus.

15776

12:45p-1:15p

M W

Buechler M

T-107

Full Semester

9:00a-12:35p

M W

Buechler M

T-107

This class meets on-campus.

15777

8:45p-9:15p

M W

Buechler M

T-107

Full Semester

5:00p-8:35p

M W

Buechler M

T-107

This class meets on-campus.

15778

9:15p-9:45p

Tu Th

Bright T

T-107

Full Semester

5:30p-9:05p

Tu Th

Bright T

T-107

This class meets on-campus.

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.

15783

8:30a-9:20a

Sa

Stillwell D

T-101

Full Semester

9:30a-1:05p

Sa

Stillwell D

T-107

1:45p-5:20p

Sa

T-107

This class meets on-campus.

15784

12:45p-1:15p

M W

Buechler M

T-107

Full Semester

9:00a-12:35p

M W

Buechler M

T-107

This class meets on-campus.

15781

8:45p-9:15p

M W

Buechler M

T-107

Full Semester

5:00p-8:35p

M W

Buechler M

T-107

This class meets on-campus.

15782

9:15p-9:45p

Tu Th

Bright T

T-107

Full Semester

5:30p-9:05p

Tu Th

Bright T

T-107

This class meets on-campus.

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

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Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

SANTA ANA COLLEGE – FALL 2022 Page 144**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.

15831	8:30a-9:20a	Sa	Stillwell D	T-101	Full Semester
	9:30a-1:05p	Sa	Stillwell D	T-107	
	1:45p-5:20p	Sa		T-107	
This class meets on-campus.					
15785	12:45p-1:15p	M W	Buechler M	T-107	Full Semester
	9:00a-12:35p	M W	Staff	T-107	
This class meets on-campus.					
15786	8:45p-9:15p	M W	Buechler M	T-107	Full Semester
	5:00p-8:35p	M W	Buechler M	T-107	
This class meets on-campus.					
15787	9:15p-9:45p	Tu Th	Bright T	T-107	Full Semester
	5:30p-9:05p	Tu Th	Bright T	T-107	
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.

Open Entry / Open Exit

15793	8:00a-5:40p	Sa	Stillwell D	T-107	Full Semester
This class meets on-campus.					
15789	9:00a-1:50p	M W	Buechler M	T-107	Full Semester
This class meets on-campus.					
15790	5:00p-9:50p	M W	Buechler M	T-107	Full Semester
This class meets on-campus.					
15791	5:00p-9:50p	Tu Th	Bright T	T-107	Full Semester
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.

15794	9:00a-1:15p	Sa	Singh N	H-205	Full Semester
This class meets on-campus.					

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.

15795	5:30p-6:55p	Tu Th	Singh N	T-203-1	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.

15796	7:00p-10:10p	M	Singh N	T-203-1	Full Semester
This class meets on-campus.					

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

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

15797 8:30a-11:40a Sa Rios J T-203-1 Full Semester

This class meets on-campus.

MNFG 177, MASTERCAM - 3D TOOLPATH AND CAM APPLICATIONS**3.0 UNITS**

Advanced concepts in the manufacturing of machine parts using MASTERCAM software and CNC machining centers. Emphasis placed on programming and machining 3 dimensional surfaces. Problem solving in roughing, finishing, fixturing, and machining of a variety of part configurations.

Prerequisite: Manufacturing Technology 175 with a minimum grade of C.

15798 7:00p-10:10p W Singh N T-107 Full Semester

This class meets on-campus.

MNFG 186, ADVANCED CNC LATHE PROGRAMMING, SETUP AND OPERATION**3.0 UNITS**

Advanced programming, set-up, and operation of CNC lathe. Course curriculum will include instruction on C-Axis with live tooling option, subprogram for C-Axis, tapered I.D. and O.D. thread, canned cycles, uses of digital probe for tool offset, and programmable tailstock. 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 176 with a minimum grade of C.

15799 7:00p-10:10p Th Singh N T-203-1 Full Semester

This class meets on-campus.

MNFG 194, CNC HORIZONTAL MILL SETUP AND OPERATION**3.0 UNITS**

Set-up and operation of CNC Horizontal Machining Center. Students will learn the concepts necessary for set-up and operation of the state-of-the-art horizontal milling machine. Course curriculum will include instruction on multi fixtures, rapid pallet changing, and ability to machine several sides at once with a single set-up using fully programmable 4th axis to boost productivity, cut lead times, and lower production costs. Corequisite enrollment required in MNFG 096. Student must complete 27 hours of scheduled lab per semester to earn .5 units for lab.

Prerequisite: Manufacturing Technology 171 and Manufacturing Technology 174 with a minimum grade of C.

15800 7:00p-10:10p Tu Singh N T-203-1 Full Semester

This class meets on-campus.

MARKETING (MKTG)**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.

 15087 Kowsari A ONLINE 08/22-10/16

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

MKTG 116, GLOBAL MARKETING: SELLING AROUND THE WORLD**3.0 UNITS**

Learn how to adapt marketing techniques to international markets, how to develop marketing strategies, and how to target markets based on the cultural, political and economic environments. Learn how to create forecasts and budgets for international markets.

15040 Ursuy C ONLINE 10/17-12/11


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.


MATHEMATICS (MATH)**MATH 030, COPING WITH MATH ANXIETY****1.0 UNIT**

Covers the concept of math anxiety - what causes it and how to overcome it. Includes review and practice of basic math skills.


12319 5:20p-7:25p Tu Staff I-102 10/17-12/11

 **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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Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

MATH 040, SUPPORT FOR COLLEGE ALGEBRA

0.5 UNIT

A review of mathematics topics from Elementary and Intermediate Algebra which are needed to be successful in College Algebra. Intended to be taken concurrently with College Algebra (Math 140) for students who did not directly place into Math 140, or for students who would like to supplement their learning with prerequisite skills.

Corequisite: Concurrent enrollment in Mathematics 140.

12384 **10:05a-10:55a** **M W** **Zarske J** **H-105** **Full Semester**
 Section #12384 is linked with Math 140 #12383. Enrollment in both sections is mandatory.

12386 **10:05a-10:55a** **M W** **Staff** **H-104** **Full Semester**
 Section #12386 is linked with Math 140 #12385. Enrollment in both sections is mandatory.

12403 **10:05a-10:55a** **Tu Th** **Mishal A** **H-105** **Full Semester**
 Section #12403 is linked with Math 140 #12402. Enrollment in both sections is mandatory. 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.

12406 **10:05a-10:55a** **Tu Th** **Zarske J** **ZOOM** **Full Semester**
 Section #12406 is linked with Math 140 #12405. Enrollment in both 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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.

12388 **1:15p-2:05p** **M W** **Zarske J** **ZOOM** **Full Semester**
 Section #12388 is linked with Math 140 #12387. Enrollment in both 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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.


12671 **1:15p-2:05p** **Tu Th** **Solheid C** **H-105** **Full Semester**
 Section #12671 is linked with Math 140 #12670. Enrollment in both sections is mandatory. 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.











12390 **4:25p-5:15p** **M W** **Hager B** **H-105** **Full Semester**
 Section #12390 is linked with Math 140 #12389. Enrollment in both sections is mandatory. 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.

12399 **7:35p-8:25p** **M W** **Hager B** **H-105** **Full Semester**
 Section #12399 is linked with Math 140 #12398. Enrollment in both sections is mandatory. 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.

12674 **7:35p-8:25p** **Tu Th** **Staff** **H-105** **Full Semester**
 Section #12674 is linked to Math 140 #12673. Enrollment in both sections is mandatory.

12676 **8:45p-9:35p** **Tu Th** **Nguyen K** **ZOOM** **Full Semester**
 Section #12676 is linked to Math 140 #12675. Enrollment in both 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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus. 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.

 **12678** **McKowan-Bourguignon L** **ONLINE** **Full Semester**
 Section #12678 is linked to Math 140 #12677. Enrollment in both sections is mandatory. Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. 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	 <p>Low Cost or Free Textbooks</p> <p> OER</p> <p> ZTC</p> <p>Honors Courses:</p> <p> HONORS</p>
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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.	

O **15819** **Solheid C** **ONLINE** **Full Semester**
 Section #15819 is linked with Math 140 #12700. Enrollment in both sections is mandatory. Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19 and 12/01 and 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATH 082, PRE-STATISTICS AND PROBLEM SOLVING LIBERAL ARTS AND SOCIAL SCIENCE **4.0 UNITS**
 Pre-statistics including measures of center, measures of spread, graphical representations, basic probability, dimensional analysis, linear equations, formulas, percent equations, lines, basic linear regression and problem-solving designed specifically for liberal arts and social science majors.

12320 **10:05a-12:10p** **M W** **Smith S** **R-101** **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.

O **12321** **McKowan-Bourguignon L** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **12322** **Tolentino J** **ONLINE** **09/19-12/11**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 10/14 - 10/21, 11/10 - 11/19 and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATH 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.

12327 **10:05a-1:05p** **M W** **Staff** **I-203** **Full Semester**
12329 **10:05a-1:05p** **Tu Th** **Vu D** **R-101** **Full Semester**
12328 **1:15p-4:15p** **M W** **Staff** **H-109** **Full Semester**
12330 **6:30p-9:30p** **Tu Th** **Lui R** **ZOOM** **Full Semester**

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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.

O **12331** **Lui R** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09.

O **12332** **Vu D** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09.

O **12333** **Nguyen K** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09.

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

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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

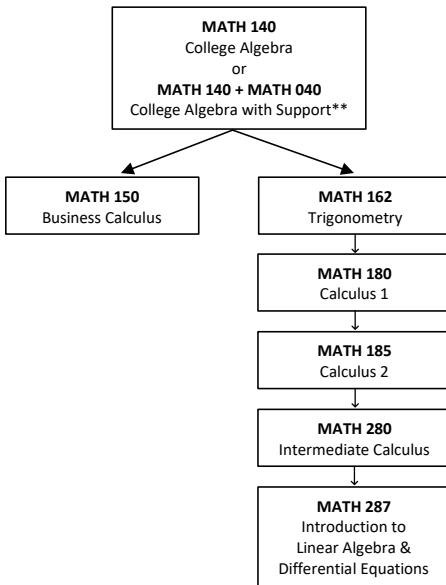
 **HONORS**

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 (OPTIONAL COURSES)	MATH N06 Essential Mathematics	MATH N48 Pre-Algebra / Algebra Basics	MATH 084 Beginning & Intermediate for BSTEM Majors

Transfer Level Courses for BSTEM Majors



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 (OPTIONAL COURSES)	MATH N06 Essential Mathematics	MATH N48 Pre-Algebra / Algebra Basics	MATH 082 Pre-Statistics and Problem Solving

Transfer Level Courses for SLAM Majors

MATH 219/219H Statistics & Probability or MATH 221 Statistics & Probability with Support**	MATH 105 Mathematics for Liberal Arts Students	MATH 204 Mathematics for Elementary School Teachers
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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 placement in the proper mathematics course.

Effective Fall 2021

O 12335 **Oh S** **ONLINE** **09/19-12/11**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09.

O 12336 **Solheid C** **ONLINE** **09/19-12/11**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09.

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Low Cost or Free Textbooks

OER

ZTC

Honors Courses:

HONORS

MATH 105, MATHEMATICS FOR LIBERAL ARTS STUDENTS**4.0 UNITS**

An overview of mathematics for the liberal arts student. Topics will include problem solving, financial management, probability, statistics, and selected other topics such as set of theory, geometry, logic, mathematical modeling, and the history of mathematics. Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 105 according to the Santa Ana College Mathematics Department's placement standards.

12345 **7:00a-10:50a** **F** **Everett M** **ZOOM** **Full Semester**

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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus. 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.

12340 **7:50a-9:55a** **M W** **Mishal A** **ZOOM** **Full Semester**

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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus. 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.

12342 **7:50a-9:55a** **Tu Th** **Everett M** **H-109** **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.

12341 **10:05a-12:10p** **M W** **Staff** **H-109** **Full Semester**

12343 **10:05a-12:10p** **Tu Th** **Staff** **H-109** **Full Semester**

12344 **7:35p-9:40p** **Tu Th** **Staff** **H-109** **Full Semester**

O **12346** **Vu D** **ONLINE** **Full Semester**

Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **12348** **Everett M** **ONLINE** **Full Semester**

Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **12349** **Mishal A** **ONLINE** **Full Semester**

Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **12351** **Shahbazian R** **ONLINE** **09/19-12/11**

Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:


 **HONORS**


MATH 140, COLLEGE ALGEBRA**4.0 UNITS**


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


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


12699	7:00a-10:50a	F	Nguyen K	ZOOM	Full Semester
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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus. 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.					
12383	7:50a-9:55a	M W	Zarske J	H-105	Full Semester
Section #12383 is linked with Math 040 #12384. Enrollment in both sections is mandatory.					
12385	7:50a-9:55a	M W	Staff	H-104	Full Semester
Section #12385 is linked with Math 040 #12386. Enrollment in both sections is mandatory.					
12402	7:50a-9:55a	Tu Th	Mishal A	H-105	Full Semester
Section #12402 is linked with Math 040 #12403. Enrollment in both sections is mandatory. 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.					
12405	7:50a-9:55a	Tu Th	Zarske J	ZOOM	Full Semester
Section #12405 is linked with Math 040 #12406. Enrollment in both 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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.					
12695	7:50a-9:55a	M W	Tolentino J	ZOOM	Full Semester
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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus. 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.					
12697	7:50a-9:55a	Tu Th	Staff	H-104	Full Semester
12698	10:05a-12:10p	Tu Th	Lechuga J	H-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.					
12387	11:00a-1:05p	M W	Zarske J	ZOOM	Full Semester
Section #12387 is linked with Math 040 #12388. Enrollment in both 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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.					
12670	11:00a-1:05p	Tu Th	Solheid C	H-105	Full Semester
Section #12670 is linked with Math 040 #12671. Enrollment in both sections is mandatory. 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.					
12696	1:15p-3:20p	M W	Staff	H-104	Full Semester
12389	2:10p-4:15p	M W	Hager B	H-105	Full Semester
Section #12389 is linked with Math 040 #12390. Enrollment in both sections is mandatory. 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.					
12398	5:20p-7:25p	M W	Hager B	H-105	Full Semester
Section #12398 is linked with Math 040 #12399. Enrollment in both sections is mandatory. 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.					
12673	5:20p-7:25p	Tu Th	Staff	H-105	Full Semester
Section #12673 is linked to Math 040 #12674. Enrollment in both sections is mandatory.					

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Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

12675	6:30p-8:35p	Tu Th	Nguyen K	ZOOM	Full Semester
Section #12675 is linked with Math 040 #12676. Enrollment in both 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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
O	12677		McKowan-Bourguignon L	ONLINE	Full Semester
Section #12677 is linked to Math 040 #12678. Enrollment in both sections is mandatory. Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
O	12700		Solheid C	ONLINE	Full Semester
Section #12700 is linked with Math 040 #15819. Enrollment in both sections is mandatory. Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
O	12701		Mishal A	ONLINE	Full Semester
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
O	12702		Bradley K	ONLINE	Full Semester
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
O	12703		Bradley K	ONLINE	Full Semester
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
O	12704		Mishal A	ONLINE	Full Semester
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
O	12705		Nguyen K	ONLINE	09/19-12/11
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu . There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

O 12706 **Lechuga J** **ONLINE** **09/19-12/11**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 10/14 - 10/21, 11/10 - 11/19 and 12/01 - 12/09.

O 12707 **Lechuga J** **ONLINE** **10/17-12/11**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 11/04 - 11/10 and 12/01 - 12/09.

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.

12708 **7:35p-10:05p** **M W** **Staff** **I-203** **Full Semester**

O 12352 **Oh S** **ONLINE** **Full Semester**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 12353 **Shahbazian R** **ONLINE** **Full Semester**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATH 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.

12354 **7:50a-9:55a** **M W** **Staff** **L-203** **Full Semester**

12355 **7:50a-9:55a** **Tu Th** **Staff** **L-203** **Full Semester**

12356 **5:20p-7:25p** **Tu Th** **Staff** **ZOOM** **Full Semester**

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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.

O 12357 **Oh S** **ONLINE** **Full Semester**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 12358 **Hager B** **ONLINE** **Full Semester**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

MATH 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.

MATH 140S or MATH 140 and MATH 162: Mathematics 140 or Mathematics 140S and Mathematics 162 with a minimum grade of C or equivalent skills as measured by placement into Math 180 according to the Santa Ana College Math Department's placement standards.

12360	7:50a-9:55a	M W	Ro K	I-204	Full Semester
12364	7:50a-9:55a	Tu Th	McKowan-Bourguignon L		I-204
Full Semester					
12365	10:05a-12:10p	Tu Th	McKowan-Bourguignon L		I-204
Full Semester					
12361	5:20p-7:25p	M W	Staff	ZOOM	Full Semester

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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.

O 12366 **Ro K ONLINE Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 12367 **Ro K ONLINE Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 12368 **Tolentino J ONLINE Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATH 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.

12725	10:05a-12:10p	M W	Tolentino J	I-204	Full Semester
12727	5:20p-7:25p	Tu Th	Staff	ZOOM	Full Semester

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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.

O 12728 **Sweeney G ONLINE Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

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

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

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

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

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

Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

O 12730 **Everett M** **ONLINE** **Full Semester**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 12731 **Everett M** **ONLINE** **Full Semester**
Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATH 204, MATHEMATICAL CONCEPTS FOR ELEMENTARY SCHOOL TEACHERS **4.0 UNITS**

Designed for prospective elementary teachers, the course emphasizes problem solving techniques and mathematical structure associated with numeration, set theory, elementary number theory, real number system, ratio, proportion, and percent. The course includes instructional delivery design and activity-based explorations.

Prerequisite: Math 083 or MATH 084 with a minimum grade of C or equivalent skills as measured by placement into Math 204 according to the Santa Ana College Math Department's placement standards.

12734 **11:00a-1:05p** **M W** **Staff** **H-105** **Full Semester**
Section #12734 is linked with Math 204L #12737. Enrollment in both sections is mandatory.

12735 **5:30p-8:50p** **Tu** **Romero M** **ONLINE** **Full Semester**
Staff **L-203**

Section #12735 is linked with Math 204L #15823. Enrollment in both sections is mandatory. 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

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 hand-ons learning, projects, and presentations.

Corequisite: Concurrent enrollment in Mathematics 204.

12737 **1:15p-2:05p** **M W** **Staff** **H-105** **Full Semester**
Section #12737 is linked to Math 204 #12734. Enrollment in both sections is mandatory.

15823 **5:30p-7:00p** **Tu** **Romero M** **ZOOM** **Full Semester**
5:30p-7:00p **Tu** **Staff** **ZOOM**

Section #15823 is linked with Math 204 #12735. Enrollment in both sections is mandatory. 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.

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.

14013 **7:00a-10:50a** **F** **Staff** **L-207** **Full Semester**

13980 **7:50a-9:55a** **M W** **Staff** **L-207** **Full Semester**

13989 **7:50a-9:55a** **Tu Th** **Corp R** **ZOOM** **Full Semester**

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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus. 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.

13981 **10:05a-12:10p** **M W** **Staff** **L-207** **Full Semester**

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

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

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

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

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

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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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14010	10:05a-12:10p	Tu Th	Bradley K	L-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.					
13983	1:15p-3:20p	M W	Staff	L-207	Full Semester
14011	1:15p-3:20p	Tu Th	Staff	L-207	Full Semester
14012	5:20p-7:25p	Tu Th	Staff	L-207	Full Semester
13984	7:35p-9:40p	M W	Lui R	ZOOM	Full Semester

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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.

O **14015** **Smith S** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **14016** **Bradley K** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **14017** **Leeds K** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **14018** **Leeds K** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **14019** **Smith S** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O **14020** **Romero M** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

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

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

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

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

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

Low Cost or Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

O 14021 **Corp R** **ONLINE** **09/19-12/11**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 14023 **Shahbazian R** **ONLINE** **09/19-12/11**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 14024 **Tolentino J** **ONLINE** **10/17-12/11**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 11/04-11/10 and 12/01-12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATH 219S, 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.

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

13969	7:00a-10:50a	F	Staff	ZOOM	Full Semester
	11:00a-1:05p	F	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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.

12740	10:05a-12:10p	M W	Corp R	H-107	Full Semester
	12:10p-1:05p	M W	Staff	H-107	

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.

13948	10:05a-12:10p	Tu Th	Romero M	H-107	Full Semester
	12:10p-1:05p	Tu Th	Staff	H-107	

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.





13945	1:15p-3:20p	M W	Staff	H-107	Full Semester
	3:20p-4:15p	M W	Staff	H-107	

13946	4:25p-6:30p	M W	Staff	H-107	Full Semester
	6:30p-7:25p	M W	Staff	H-107	

13949	6:00p-8:05p	Tu Th	Staff	ZOOM	Full Semester
	8:05p-9:00p	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. This class will require in-person proctored exams during the assigned class time on the dates given in your syllabus.


O 13971 **Corp R** **ONLINE** **Full Semester**
 Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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

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.

14025	1:15p-3:20p	M W	Smith S	I-203	Full Semester
14026	5:20p-7:25p	Tu Th	Staff	I-203	Full Semester
 14029			Sweeney G	ONLINE	Full Semester

Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09.

MATH 287, INTRODUCTION TO LINEAR ALGEBRA AND DIFFERENTIAL EQUATIONS**5.0 UNITS**

Topics include matrices, determinants, vector spaces, linear systems of equations, linear product spaces, first and second order differential equations, systems of differential equations, and the Laplace transform.

Prerequisite: Mathematics 280 with a minimum grade of C.

14030	10:05a-12:35p	Tu Th	Sweeney G	I-203	Full Semester
 14031			Sweeney G	ONLINE	Full Semester


Fully Online Instruction with in-person exams. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu. There will be no instructional meetings. This class will require in-person proctored exams at selected time windows during the following time periods: 09/16 - 09/23, 10/14 - 10/21, 11/10 - 11/19, and 12/01 - 12/09.

MEDICAL ASSISTANT (MA)**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

 11521			Emley C	ONLINE	Full Semester
	10:00a-11:30a	Tu	Staff	ZOOM	

Section 11521 meets 8/23, 8/30 & 12/6 only from 10:00 AM-11:30 AM via Zoom. Students arrange work experience placement with faculty support. Number of units based on number of hours to be arranged. 60 hours of work = 1 unit of college credit. Healthcare experience is encouraged.

MA 020, BLOODBORNE AND AIRBORNE PATHOGEN STANDARDS**0.5 UNIT**

Presentation of California Occupational Safety and Health Act (Cal-OSHA) Bloodborne and Airborne Pathogen Standards for occupational at-risk exposure to Hepatitis B Virus, Hepatitis C Virus, HIV-AIDS, and Tuberculosis including compliance requirements, exposure control measures, exposure determination, engineering controls, work practice controls, personal protective equipment, universal precautions and post exposure practices.

 11522			Emley C	ONLINE	09/03-09/10
	8:00a-12:30p	Sa	Emley C	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. Section 11522 meets for 4.5 hours on 9/3/22 & 9/10/22 From 8:00 AM - 12:30 PM via Zoom. 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.


13181			Emley C	HYBRID	09/02-10/15
	9:00a-3:00p	F Sa	Emley C	R-307	


On-campus hybrid instruction. A combination of on-campus meeting during the days and times indicated and online instruction. Students log in to canvas at canvas.sac.edu. Section 13182 meets for 6.0 hours on either 10/14/22 or 10/15/22 in R-307 from 9:00AM-3:00PM. 1.5 hours to be arranged. There is no additional textbook cost for this ZTC class.


 **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**




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13182	9:00a-3:00p	F Sa	Emley C Emley C	HYBRID R-307	10/21-12/03
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On-campus hybrid instruction. A combination of on-campus meeting during the days and times indicated and online instruction. Students log in to canvas at canvas.sac.edu. Section 13182 meets for 6.0 hours on either 12/2/22 or 12/3/22 in R-307 from 9:00AM-3:00PM. 1.5 hours to be arranged. There is no additional textbook cost for this ZTC class.

MA 051A, BEGINNING MEDICAL TERMINOLOGY**3.0 UNITS**



Introduction to medical terms including structural analysis of prefixes, combining form/roots, and suffixes. Emphasis on terms related to anatomy, physiology, diagnostic tests and pathology of the digestive, renal-urinary, and reproductive systems. Also, terms related to pregnancy and the newborn.

 11525	1:15p-4:25p	M	Seitz C Staff	ONLINE ZOOM	Full Semester
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.					
11526	4:25p-7:35p	M	Seitz C Staff	ONLINE ZOOM	Full Semester
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.					
 11527			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.					
11528	10:05a-1:15p	M	Luke B Staff	ONLINE ZOOM	Full Semester
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.					
 14734			Gonzalez E	ONLINE	Full Semester

MA 051B, ADVANCED MEDICAL TERMINOLOGY**3.0 UNITS**

Continuation of MA 051A. Includes medical terms related to anatomy, physiology, diagnostic tests and pathology of the nervous, cardiovascular, respiratory, circulatory, musculoskeletal, skin, sensory, and the endocrine systems.







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



 11924	4:25p-7:35p	Th	Emley C	ONLINE	Full Semester
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.					
 11529			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.					

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 first aid and life threatening illnesses.

11530	4:25p-7:35p	W	Seitz C Staff	ONLINE ZOOM	Full Semester
Fully online instruction. Live streaming instruction via zoom during the days and times indicated. Students log in to canvas at canvas.sac.edu . There will be no instruction on campus.					
11531	1:15p-4:25p	Th	Seitz C Staff	ONLINE ZOOM	Full Semester
Fully online instruction. Live streaming instruction via zoom during the days and times indicated. Students log in to canvas at canvas.sac.edu . There will be no instruction on campus.					

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

Low Cost or
Free Textbooks
 **OER**
 **ZTC**
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MA 054, MEDICAL INSURANCE BILLING AND CODING**3.0 UNITS**

Medical Insurance Billing and Coding includes guidelines, regulations, completion of insurance claims, and program information for Medicare, Medicaid/MediCal, TRICARE, Medi/Medi, State Disability, Workers Compensation, and private commercial insurance. Instruction includes legal and ethical guidelines, and instruction in procedural coding, CPT, HCPCS, and diagnostic coding, ICD-10. MA 051A: Medical Assistant 051A with a minimum grade of C.

13183			Seitz C	ONLINE	Full Semester
	1:15p-4:25p	Tu	Staff	ZOOM	

Fully online instruction. Live streaming instruction via zoom during the days and times indicated. Students log in to canvas at canvas.sac.edu. There will be no instruction on campus.

13185			Seitz C	ONLINE	Full Semester
	4:35p-7:45p	Tu	Staff	ZOOM	

Fully online instruction. Live streaming instruction via zoom during the days and times indicated. Students log in to canvas at canvas.sac.edu. There will be no instruction on campus.

13186			Luke B	ONLINE	Full Semester
	1:15p-4:25p	Tu	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.

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.

11533			Emley C	HYBRID	Full Semester
	1:15p-4:25p	Tu	Emley C	R-307	

On-campus hybrid instruction. A combination of on-campus meeting during the days and times indicated and online instruction. Students log in to canvas at canvas.sac.edu.

11534			Gonzalez E	HYBRID	Full Semester
	4:35p-7:45p	Tu	Gonzalez E	R-307	

On-campus hybrid instruction. A combination of on-campus meeting during the days and times indicated and online instruction. Students log in to canvas at canvas.sac.edu.

MA 056, COMPUTER APPLICATIONS FOR THE MEDICAL OFFICE**3.0 UNITS**

This course is an introduction to computer applications for a medical office setting, including Practice Management with patient registration, scheduling, verifying insurance eligibility, posting charges and payments, computerized billing, and preparing insurance claims. The course also includes documenting components of clinical back-office encounters, ordering procedures and referrals, and preparing lab requisitions and prescriptions in an Electronic Medical Record.

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

13188			Seitz C	ONLINE	10/17-12/11
	4:25p-7:35p	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.

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

11573			Staff	R-203	Full Semester
			27 hours to be arranged.		

11574			Staff	SJH	Full Semester
			27 hours to be arranged.		

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

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

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

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

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

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

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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

11575

Mixer D

R-203

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

11576

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 regulation, oxygenation, perfusion, reproduction, inflammation, infection, mobility, comfort, stress and coping, mood & affect, cognition, safety & infection control, communication, professional behavior, diversity, health promotion, healthcare systems, clinical reasoning/judgment, and ethics. Further emphasis is placed on dosage calculations, drug classifications, and application of the nursing process to drug administration. Upon completion, students should be able to identify safe nursing care incorporating the concepts discussed in this course.

Prerequisite: Biology 239, Biology 249, and Biology 139 or Biology 229, and English 101 or English 101H with a minimum grade of C.

11545

Papa E

HYBRID

Full Semester

1:00p-3:20p

W

Staff

R-114

On-campus hybrid instruction. A combination of on-campus meeting during the days and times indicated and online instruction. Students log in to canvas at canvas.sac.edu. On campus meetings dates are 8/24, 9/14, 9/21, 10/12, 10/26, 11/16, 12/7. Requires Lippincott's e-textbook platform. Directions for purchasing the platform will be given during orientation and in class. Must be in SAC Nursing Program or have a letter from the Nursing Director to register.

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, cognition, oxygenation, tissue integrity, comfort, emergencies, safety and infection control, diversity, health promotion, communication, professional behaviors, clinical reasoning/judgment, healthcare system, and ethics. Upon completion, students should be able to identify and explain safe nursing care incorporating the concepts discussed in this course.

Prerequisite: Biology 239, Biology 249, and Biology 139 or Biology 229, and English 101 or English 101H with a minimum grade of C.

11546

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 fees will be emailed. Only students enrolled in the Extended Campus Program are allowed to register for section 11547.

11547

5:00p-7:20p

W Th

Papa E

SJH

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 fees will be emailed. Only students enrolled in the Extended Campus Program are allowed to register for section 11547.

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

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

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

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

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

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

Low Cost or
Free Textbooks

 OER

 ZTC

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SANTA ANA COLLEGE – FALL 2022 Page 161**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.

11548 8:00a-4:00p M Tu Staff R-307 Full Semester

Only students enrolled in the Extended Campus Program are allowed to register for sections 11552 and 11553. Orientation for all NRN-171L sections is on 08/22/22 in R-307 of Russell Hall from 8:00AM-4:00PM. 243 hours to be arranged on Mondays and some Tuesdays in R-307, OC Global and other locations.

11549 8:00a-4:00p M Tu Staff R-307 Full Semester

Only students enrolled in the Extended Campus Program are allowed to register for sections 11552 and 11553. Orientation for all NRN-171L sections is on Monday 8/22/22 in R-307 of Russell Hall from 8:00AM-4:00PM. 243 hours to be arranged on Mondays and some Tuesdays in R-307, OC Memorial and other locations.

11550 8:00a-4:00p M Tu Uffelman T R-307 Full Semester

Only students enrolled in the Extended Campus Program are allowed to register for sections 11552 and 11553. Orientation for all NRN-171L sections is on Monday 8/22/22 in R-307 of Russell Hall from 8:00AM-4:00PM. 243 hours to be arranged on Mondays and some Tuesdays in R-307, SC Global and other locations.

11551 8:00a-4:00p M Tu Staff R-307 Full Semester

Only students enrolled in the Extended Campus Program are allowed to register for sections 11552 and 11553. Orientation for all NRN-171L sections is on Monday 8/22/22 in R-307 of Russell Hall from 8:00AM-4:00PM. 243 hours to be arranged on Mondays and some Tuesdays in R-307, Fountain Valley and other locations.

11552 8:00a-4:00p Sa Derr L R-307 Full Semester

Only students enrolled in the Extended Campus Program are allowed to register for sections 11552 and 11553. Orientation for all NRN-171L sections is on Monday 8/22/22 in R-307 of Russell Hall from 8:00AM-4:00PM. 243 hours to be arranged on Saturdays in R-307, SC Global and other locations.

11553 8:00a-4:00p Sa Papa E R-307 Full Semester

Only students enrolled in the Extended Campus Program are allowed to register for sections 11552 and 11553. Orientation for all NRN-171L sections is on Monday 8/22/22 in R-307 of Russell Hall from 8:00AM-4:00PM. 243 hours to be arranged on Saturdays in R-307, ST. Joseph's Hospital and other locations.

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.

11554 3:00p-5:05p W Th Vasquez M 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 fees will be emailed.

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.

11555 Mayer Q FV Full Semester

Orientation for all NRN-172L sections is on Monday 08/22/22 from 8:00AM - 6:00PM. Location TBD. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged.

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

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

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

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

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

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

Low Cost or Free Textbooks

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Honors Courses:

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11556	Vasquez M	OCG	Full Semester
Orientation for all NRN-172L sections is on Monday 08/22/22 from 8:00AM - 6:00PM. Location TBD. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged.			
11557	Joyner T	FV	Full Semester
Orientation for all NRN-172L sections is on Monday 08/22/22 from 8:00AM - 6:00PM. Location TBD. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged.			
11558	Bass S	SJH	Full Semester
Orientation for all NRN-172L sections is on Monday 08/22/22 from 8:00AM - 6:00PM. Location TBD. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged.			

NRN 200, ROLE TRANSITION**2.0 UNITS**

Bridge course for LVN or transfer student with an emphasis on RN role development. Application of the nursing process within the Santa Ana College Nursing Conceptual Framework. Review of test-taking strategies, medication calculations, fluid balance, and skills testing. Open to all nursing students; required of advanced placement.

11572	5:20p-7:25p	W	Mayer Q	I-202	Full Semester
A letter from the Nursing Director is required prior to registration.					

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

11577			Mixer D	R-203	Full Semester
27 hours to be arranged.					
11578			Staff	SJH	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

11579			Staff	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

11580			Mixer D	R-203	Full Semester
27 hours to be arranged.					

NRN 271, MENTAL HEALTH AND ACUTE CONCEPTS**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.

11559	12:30p-2:35p	W Th	Valtairo R	R-307	Full Semester
Requires Lippincott's E-Textbook platform. Directions for purchasing the platform will be given during orientation. There are testing fees. Directions for paying fees will be emailed. Only students enrolled in the Extended Campus Program are allowed to register for section 11560.					

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

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

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

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Low Cost or Free Textbooks

 **OER**

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11560	5:00p-7:05p	W Th	Valtairo R	SJH	Full Semester
Requires Lippincott's E-Textbook platform. Directions for purchasing the platform will be given during orientation.					
There are testing fees. Directions for paying fees will be emailed. Only students enrolled in the Extended Campus Program are allowed to register for section 11560.					

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.

11561			Valtairo R	UCI	Full Semester
Orientation for all NRN-271L sections will be on 8/22/22. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged. Only students enrolled in the Extended Campus Program are allowed to register for sections 11565 and 11566.					

11562			Rivera M	COL	Full Semester
Orientation for all NRN-271L sections will be on 08/22/22. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged. Only students enrolled in the Extended Campus Program are allowed to register for sections 11565 and 11566.					

11563			Delaby M	SJH	Full Semester
Orientation for all NRN-271L sections will be on 8/22/22. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged. Only students enrolled in the Extended Campus Program are allowed to register for sections 11565 and 11566.					

11564			Valtairo R	COL	Full Semester
Orientation for all NRN-271L sections will be on 8/22/22. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged. Only students enrolled in the Extended Campus Program are allowed to register for sections 11565 and 11566.					

11565			Stucken R	COL	Full Semester
Orientation for all NRN-271L sections will be on 8/22/22. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged. Only students enrolled in the Extended Campus Program are allowed to register for sections 11565 and 11566.					

11566			Spady S	SJH	Full Semester
Orientation for all NRN-271L sections will be on 8/22/22. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged. Only students enrolled in the Extended Campus Program are allowed to register for sections 11565 and 11566.					







NRN 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 synthesize 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.

11567	1:15p-3:50p	M	Jones L	R-114	Full Semester
	1:15p-3:50p	Th	Carriger L	R-126	

Requires Lippincott's E-Textbook platform. Directions for purchasing the platform will be given during orientation. There are testing fees. Directions for paying fees will be emailed.

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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**

NRN 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.

11568	Carriger L	OCG	Full Semester
Orientation for all NRN 272L will be held on Tuesday 8/23/22 from 7:00AM - 7:00pm in R-126. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged.			
11569	Jones L	SJH	Full Semester
Orientation for all NRN 272L will be held on Tuesday 8/23/22 from 7:00AM - 7:00pm in R-126. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged.			
11570	Brace L	MH	Full Semester
Orientation for all NRN 272L will be held on Tuesday 8/23/22 from 7:00AM - 7:00pm in R-126. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged.			
11571	Naraghi A	UCI	Full Semester
Orientation for all NRN 272L will be held on Tuesday 8/23/22 from 7:00AM - 7:00PM in R-126. Scheduling information is available from the Health Sciences/Nursing office. 243 hours to be arranged.			

NUTRITION AND FOOD (NUTR)**NUTR 101, THE FOOD SYSTEM AND CAREER OPPORTUNITIES****1.5 UNITS**

Exploration of career opportunities and projected employment trends in dietetics, food science, and the food industry. Includes educational requirements for nutrition and dietetics majors, skill preparation, professional organizations, and ethics.

O 13204	Mathot S	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.			

NUTR 110, FOOD SAFETY AND SANITATION**2.0 UNITS**

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

O 13205	Heremans T	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in 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 13206	Heremans 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.			

NUTR 115, NUTRITION**3.0 UNITS**

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

13211	8:30a-9:55a	M W	Mathot S	ZOOM	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.					

13213	2:15p-5:25p	W	Grabowski A	OCSA	Full Semester
This class meets at OCSA. This class is a Dual Enrollment class with OCSA. The instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					

O 13208	Mathot 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. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.			

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

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

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

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

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

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

**Low Cost or
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 **OER**

 **ZTC**

Honors Courses:

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O 13209 Rickrode T ONLINE 10/17-12/11
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 13210 Mathot 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. Instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 13212 Rickrode T ONLINE 10/17-12/11
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Registration is open for all students. 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.

13216 Mathot S HYBRID Full Semester
 10:05a-1:05p Tu Staff R-114
 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.

NUTR 120, FOOD AND CULTURE

3.0 UNITS

A multicultural perspective on traditional and contemporary food choices. The class considers customs associated with food in relation to religion, health/medicine, human survival and symbolism. The impact of socioeconomic, historical events, population movements, and geography are also discussed.

O 13214 Mathot 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.

NUTR 121, SPORTS NUTRITION

3.0 UNITS

Overview of the role nutrition plays in sports and athletic performance. An emphasis on energy and nutrient needs, determination of hydration status, sport specific nutrient recommendations, body composition, and supplementation guidelines.

O 13215 Mathot S ONLINE 10/17-12/11
 Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

OCCUPATIONAL STUDIES (OS)

OS 301, THERAPEUTIC APPROACHES TO THE OLDER ADULT

3.0 UNITS

This course will build upon the developmental concepts of aging to examine quality of life in older adulthood. The focus of this course will be on evaluating older adults from an occupational perspective and analyzing the skills needed to maintain independence and to successfully participate in meaningful activities throughout the older years.

12811 Wang W HYBRID 08/22-10/16
 1:00p-4:00p Sa Staff T-210
 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

OS 304, MOVEMENT THEORY & ANALYSIS

3.0 UNITS

Movement is a significant aspect of occupational performance. This course will focus on current theories of motor control and motor learning with an emphasis of how these theories can be applied to provide evidence-based practice to people with motor dysfunction.

12813 Wang W HYBRID 10/17-12/11
 1:00p-4:00p Sa Staff T-210
 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

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

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

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

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

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

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

Low Cost or Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

OS 305, ADVANCED PEDIATRIC PRACTICE FOR THE OCCUPATIONAL THERAPY ASSISTANT (OTA) 3.0 UNITS

This course will build upon developmental concepts relative to pediatric Occupational Therapy (OT) practice. The focus of this course will be to examine a variety of settings related to pediatric occupational therapy practice and provide OT treatment to pediatric clients in these settings.

O 12814 McKenna-Sallade D ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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 310, COMMUNITY-BASED OCCUPATIONAL THERAPY PRACTICE 3.0 UNITS

This course will focus on the practice of Occupational Therapy (OT) in community-based settings. This will include an in-depth analysis of the history and growth of OT practice in the community. Students will analyze the role of OT in community settings with a variety of populations and develop a plan for a community based program.

12815 Wang W HYBRID 08/22-10/16
9:00a-12:00p Sa Staff T-210
Students are expected to attend in-person classes on the dates indicated in the course syllabus.

OS 325, APPLYING RESEARCH TO OCCUPATIONAL THERAPY INTERVENTION 3.0 UNITS

The focus on this course is to utilize research in evidence-based practice of occupational therapy. This class will focus on obtaining evidence, evaluating research and utilizing qualitative research.

12816 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 12817 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 12818 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.

12820 8:30a-11:40a M W Staff 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.

12821 2:30p-4:35p M W Staff T-210 Full Semester
This class meets on-campus.

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

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

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

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

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

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

Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

OTA 102L, PSYCHOSOCIAL COMPONENTS OF OCCUPATION**2.0 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.

OTA 100, 101, 101L, and 110: Occupational Therapy Assistant 100, Occupational Therapy Assistant 101, Occupational Therapy Assistant 101L and Occupational Therapy 110 with a minimum grade of C.

12822 5:15p-8:25p M W Colburn E T-210 Full Semester
This class meets on-campus.

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.

12823 12:30p-2:35p Tu Th Wang W T-210 Full Semester
This class meets on-campus.

OTA 103L, PHYSICAL COMPONENTS OF OCCUPATION**2.0 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.

OTA 102, 102L, 111, and 115: Occupational Therapy Assistant 102, Occupational Therapy Assistant 102L, Occupational Therapy Assistant 111 and Occupational Therapy Assistant 115 with a minimum grade of C.

12824 3:30p-6:40p Tu Th Vanover G T-210 Full Semester
This class meets on-campus.

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.

12825 12:15p-1:40p M W Staff T-210 Full Semester
This class meets on-campus.

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.

 12826 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 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.


 12827 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 120, LEVEL I FIELDWORK PART A**1.0 UNIT**


The purpose of level I fieldwork is for the student to apply academic knowledge to OT practice. The student will develop their skills through directed observation and participation in a psychosocial setting or virtual standardized patient care.


OTA 100, 101, 101L, and 110: Occupational Therapy Assistant 100, 101, 101L, and 110 with a minimum grade of C.


15128 Padilla J T-210 Full Semester
Section 15128 has 32 hours arranged per 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

 OER

 ZTC

Honors Courses:

 HONORS

OTA 130, LEVEL I FIELDWORK PART B**1.0 UNIT**

The purpose of level I fieldwork is for the student to apply academic knowledge to OT practice. The student will develop their skills through directed observation and participation in a physical dysfunction setting or virtual standardized patient care.
OTA 102, 102L, 111, and 115: Occupational Therapy Assistant 102, 102L, 111, and 115 with a minimum grade of C.

15129

Padilla J

T-210

Full Semester

Section 15129 has 32 hours arranged per semester.

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.

12828

9:00a-10:25a

Tu Th

McKenna-Sallade D

T-210

Full Semester

10:35a-12:00p

Tu Th

McKenna-Sallade D

T-210

This class meets on-campus.

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.

12829

Padilla J

T-210

08/22-10/16

Section 12829 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.

12830

Padilla J

T-210

10/17-12/11

Section 12830 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.

14731

10:30a-11:30a

M W

Robinson K

HYBRID

Full Semester

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 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.

14737

7:00p-8:00p

M

Smith K

ONLINE

Full Semester

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.

14743

9:00a-1:05p

Sa

Williamson K

ONLINE

10/17-12/11

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.

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

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

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

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

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

Low Cost or
Free Textbooks

 **OER**

 **ZTC**


Honors Courses:

 **HONORS**

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.


 14756	Williamson 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.

 14758	Smith K	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.			

 14760	Smith K	ONLINE	09/19-12/11
Mandatory orientation meeting with the instructor. Instructor will contact the student to arrange a virtual meeting during the first week of class.			

 14763	Smith K	ONLINE	10/17-12/11
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.

14766	11:55a-1:20p	Tu Th	Robinson K	ZOOM	Full Semester
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.					

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.

14770	6:00p-9:00p	Th	Smith 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.					

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.










 14750	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.			

PARA 132, FAMILY LAW AND PROCEDURE

2.0 UNITS

Study of basic substantive law and procedures in family law area: Court procedures for divorce, annulment, temporary and permanent support, restraining orders, division of community property, and child custody procedures including adoption and paternity actions. May require a field trip.

15865	7:00p-9:00p	W	Salling T	HYBRID	10/17-12/11
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	<p>Low Cost or Free Textbooks</p>  OER  ZTC Honors Courses:  HONORS
 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	
 ON-CAMPUS: On-Campus Instruction - On-campus and in-person with scheduled meeting days and times.	

PARA 140, IMMIGRATION LAW AND PROCEDURE**2.0 UNITS**

Basic study of Immigration Law in the United States, with focus on preparation of those forms used by immigrants to secure benefits. Computerized preparation of forms and procedures for filing with INS will be emphasized. Marketing procedures for paralegals involved in Immigration Law will be analyzed, and ethical considerations to avoid the illegal practice of law will be covered.

14772 **9:00a-1:15p** **Sa** **Abdul-Fields A** **ZOOM** **08/27-10/15**
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.

PARA 145, CIVIL LITIGATION OVERVIEW**4.0 UNITS**

Overview of California procedures from acceptance of a case through trial. Planning litigation, motions, discovery, and trial preparation. Preparation of pleadings. Overview of California discovery rules, preparation of discovery documents, and responses.

14774 **6:00p-9:00a** **M** **Robinson K** **ONLINE** **Full Semester**
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.

14781 **6:00p-8:00p** **Th** **Sauber D** **ONLINE** **Full Semester**
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.

14782 **6:00p-9:00p** **W** **Smith K** **ONLINE** **Full Semester**
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.

14784 **6:00p-8:00p** **Tu** **Robinson K** **ONLINE** **Full Semester**
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.

14786 **6:00p-9:10p** **Tu** **Harman J** **ZOOM** **Full Semester**

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. Students must complete PARA 246 with a C or better prior to taking PARA 248.

-  **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**

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.

O 14790

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. Students must complete PARA 246 with a C or better prior to taking PARA 297. This course is intended for the final semester prior to program completion.

PHARMACY TECHNOLOGY (PHAR)**PHAR 048, INTRODUCTION TO PHARMACY TECHNOLOGY****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.

15212	8:00a-10:05a	Sa	Ross Jr J	H-210	Full Semester
			This class meets on-campus.		
15211	9:00a-11:05a	Tu	Latthitham A	H-201	Full Semester
			This class meets on-campus.		

PHAR 052, BODY SYSTEMS II**3.5 UNITS**

Anatomy, physiology, pathology, and pharmacology of the integumentary, endocrine, gastrointestinal, and nervous systems. Basic terminology, with emphasis on word analysis and construction, medical abbreviations, and lay terms. Trade/generic drug names and indications for medications in each body system. Emphasis on top 200 drugs.

15213	9:00a-12:35p	Tu	Nguyen H	H-210	Full Semester
			This class meets on-campus.		
15214	6:00p-9:35p	Th	Dombroske L	H-210	Full Semester
			This class meets on-campus.		

PHAR 055, PHARMACY CALCULATIONS**2.0 UNITS**

This course introduces students to calculations related to drug dosage and preparation of medications. Interconversion of units in the metric and common systems of measurement are included. There is emphasis on unit-cancellation for solving pharmacy situation problems.

15216	10:10a-12:15p	Sa	Ross Jr J	H-201	Full Semester
			This class meets on-campus.		
15215	11:15a-1:20p	Tu	Latthitham A	H-201	Full Semester
			This class meets on-campus.		

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.

15217	6:00p-7:25p	M W	Ross Jr J	H-210	Full Semester
	7:35p-8:05p	M W	Ross Jr J	H-210	
			This class meets on-campus.		

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Free Textbooks** **OER** **ZTC****Honors Courses:** **HONORS**

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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 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.

PHAR 056: Concurrent enrollment Pharmacy Technology 056.

Open Entry / Open Exit

15222	9:00a-12:00p	Sa	Dombroske L	H-210	Full Semester
			This class meets on-campus.		
15218	1:30p-4:30p	M W	Ross Jr J	H-210	Full Semester
	9:00a-12:00p	Sa	Staff	H-210	
			This class meets on-campus.		
15219	1:30p-4:30p	M	Ross Jr J	H-210	Full Semester
			This class meets on-campus.		
15220	1:30p-4:30p	W	Dombroske L	H-210	Full Semester
			This class meets on-campus.		

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.)

15223	6:00p-7:05p	Tu	Ross Jr J	H-210	Full Semester
	7:15p-10:25p	Tu	Ross Jr J	H-210	
			This class meets on-campus.		

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 lapsed from program attendance to prepare for externship or job placements. Significant time lapsed is defined as 1 year by departmental policy, in compliance with the American Society of Health-System Pharmacists' re-accreditation body. Lab hours are verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree.

PHAR 057: Concurrent enrollment Pharmacy Technology 057.

Open Entry / Open Exit

15227	9:00a-12:00p	Sa	Dombroske L	H-210	Full Semester
			This class meets on-campus.		
15224	1:30p-4:30p	M W	Ross Jr J	H-210	Full Semester
	9:00a-12:00p	Sa	Staff	H-210	
			This class meets on-campus.		
15225	1:30p-4:30p	M	Ross Jr J	H-210	Full Semester
			This class meets on-campus.		
15226	1:30p-4:30p	W	Dombroske L	H-210	Full Semester
			This class meets on-campus.		

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

PHAR 060, STERILE PRODUCTS**4.5 UNITS**

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.

15228	9:00a-10:25a	M W	Dombroske L	H-210	Full Semester
	10:35a-1:05p	M W	Dombroske L	H-210	

This class meets on-campus.

PHAR 060L, 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 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.

PHAR 060: Concurrent enrollment Pharmacy Technology 060.

Open Entry / Open Exit

15232	9:00a-12:00p	Sa	Dombroske L	H-210	Full Semester
			This class meets on-campus.		
15229	1:30p-4:30p	M W	Ross Jr J	H-210	Full Semester
	9:00a-12:00p	Sa	Staff	H-210	
			This class meets on-campus.		
15230	1:30p-4:30p	M	Ross Jr J	H-210	Full Semester
			This class meets on-campus.		
15231	1:30p-4:30p	W	Dombroske L	H-210	Full Semester
			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.

PHAR 056: Concurrent enrollment in Pharmacy Technology 056. Returning students who took Pharmacy Technology 056 can take Pharmacy Technology 072L-1 alone.

Open Entry / Open Exit

15236	9:00a-12:00p	Sa	Dombroske L	H-210	Full Semester
			This class meets on-campus.		
15233	1:30p-4:30p	M W	Ross Jr J	H-210	Full Semester
	9:00a-12:00p	Sa	Staff	H-210	
			This class meets on-campus.		
15234	1:30p-4:30p	M	Ross Jr J	H-210	Full Semester
			This class meets on-campus.		
15235	1:30p-4:30p	W	Dombroske L	H-210	Full Semester
			This class meets on-campus.		

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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 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.

PHAR 057: Concurrent enrollment Pharmacy Technology 057. Returning students who took Pharmacy Technology 057 can take Pharmacy Technology 072L-2 alone.

Open Entry / Open Exit


15240	9:00a-12:00p	Sa	Dombroske L	H-210	Full Semester
This class meets on-campus.					
15237	1:30p-4:30p	M W	Ross Jr J	H-210	Full Semester
	9:00a-12:00p	Sa	Staff	H-210	
This class meets on-campus.					
15238	1:30p-4:30p	M	Ross Jr J	H-210	Full Semester
This class meets on-campus.					
15239	1:30p-4:30p	W	Dombroske L	H-210	Full Semester
This class meets on-campus.					

PHILOSOPHY (PHIL)

PHIL 106, INTRODUCTION TO PHILOSOPHY

3.0 UNITS

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

13446	8:30a-9:55a	M W	Fish Z	D-102	Full Semester
13447	8:30a-9:55a	Tu Th	Brocatto C	D-102	Full Semester
13448	6:00p-9:10p	M	Rodriguez A	D-102	Full Semester
 13449			Brocatto C	ONLINE	10/17-12/11

Fully Online Instruction. Students are required to log in 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 106H, HONORS INTRODUCTION TO PHILOSOPHY

3.0 UNITS

An enriched approach designed for honors students. A survey of historical and contemporary ideas on how to live the good life.

13450	8:30a-9:55a	Tu Th	Brocatto C	D-102	Full Semester
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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.

13451	6:00p-9:10p	W	Blake H	D-102	Full Semester
 13452			Fish Z	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.

 13453

Fish Z	ONLINE	10/17-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.


PHIL 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.


13473	9:00a-1:15p	F	Page J	D-102	Full Semester
13459	10:05a-12:10p	M W	Fish Z	D-102	Full Semester
13463	10:05a-12:10p	Tu Th	Brocatto C	D-102	Full Semester
13461	1:15p-3:20p	M W	Brocatto C	D-102	Full Semester


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Low Cost or Free Textbooks

 **OER**


 **ZTC**

Honors Courses:

 **HONORS**

13467	1:15p-3:20p	Tu Th	Fish Z	D-102	Full Semester
13471	6:00p-10:15p	Tu	Redoutey M	D-102	Full Semester
 13474			Brocatto 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.

 13479			Brocatto C	ONLINE	10/17-12/11
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

PHIL 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.

 13480			Fish Z	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

PHIL 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.

 13481			Fish Z	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

PHOTOGRAPHY (PHOT)**PHOT 009, PHOTOGRAPHY LAB****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

15868	11:40a-1:05p	Tu	Schlossman J	A-217	Full Semester
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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 Zero Textbook Cost (ZTC) class.

15872	11:40a-1:05p	Th	Schlossman J	A-217	Full Semester
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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 Zero Textbook Cost (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.

 15873			Marquez P	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

 15876			Marquez P	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.







PHOT 160, INTRODUCTION TO PHOTOJOURNALISM**3.0 UNITS**

Explores the photographer as a journalist, focusing on theory and practice in press and publications photography, with emphasis on using the camera as a reporting and communications tool. Stresses news, feature photography, and photographic essays, including composition, impact, and creativity, for newspapers, magazines, internet, and other mass communications media.

Material Fee(s): \$15.00

15914	4:25p-5:50p	Tu	Schlossman J	HYBRID	Full Semester
			Staff	A-219	

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

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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

15902	1:15p-2:05p	Tu Th	Schlossman J	A-219	Full Semester
	2:25p-3:40p	Tu Th	Schlossman J	A-219	
15882			Zumpfe K	HYBRID	Full Semester
	5:00p-9:00p	M	Zumpfe K	A-219	

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

O 15904 Schlossman 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.

O 15905 Pulido E 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.

PHOT 196, COMMERCIAL PHOTOGRAPHY**3.0 UNITS**

This course instructs the student with lighting and studio techniques as commonly used in professional photographic applications. The emphasis will be on light and the use of lighting equipment in both studio and location situations.

Prerequisite: Photography 180 with a minimum grade of C.

Material Fee(s): \$15.00

15907	5:00p-7:05p	W	White A	A-219	Full Semester
	7:25p-10:05p	W	White A	A-219	

There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

PHOT 197, INTERMEDIATE COMMERCIAL PHOTOGRAPHY**3.0 UNITS**

Intermediate techniques in commercial photography using available and studio lighting. Further studies in the commercial subject areas of portrait/wedding, architecture, table top/product illustration, stock photography and photojournalism.

Prerequisite: Photography 196 with a minimum grade of C.

Material Fee(s): \$15.00

15909	5:00p-7:05p	W	White A	A-219	Full Semester
	7:25p-10:05p	W	White A	A-219	

There is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

PHOT 291, WEDDING AND QUINCEA√±ERA PHOTOGRAPHY**3.0 UNITS**

Instruction in fundamental concepts, equipment demands, and photographic techniques used by contemporary wedding/quincea√±era photographers.

PHOT 180: Photography 180 with a minimum grade of C.

O 15911 Schlossman J ONLINE Full Semester
Schlossman J A-219

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 is no additional textbook cost for this Zero Textbook Cost (ZTC) class.

PHYSICAL SCIENCE (PSC)**PSC 115, CONCEPTS IN PHYSICAL SCIENCES FOR EDUCATORS****4.0 UNITS**

An investigation of basic principles of physics and chemistry including matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics will be emphasized. Designed for non-science majors, concepts are introduced in lab through inquiry and further developed during discussion. Completion of Math N48 is recommended (Same as Chemistry 115).

14197	10:05a-1:05p	M	Pratt C	SC-316	Full Semester
	10:05a-1:05p	W	Pratt C	SC-316	

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Low Cost or
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 OER

 ZTC

Honors Courses:

 HONORS

PHYSICS (PHYS)**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.

14418	6:55a-9:55a	M	Staff	SC-312	Full Semester
	6:55a-9:55a	W	Staff	SC-312	
14422	6:00p-9:00p	W	Staff	SC-312	Full Semester
	8:30a-11:30a	Sa	Staff	SC-312	

Available for OTA Degree Pathway Students.

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.

14424	4:25p-5:50p	M W	Staff	I-203	Full Semester
	1:15p-4:15p	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.

14426	4:25p-5:50p	Tu Th	Staff	I-204	Full Semester
	10:05a-1:05p	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.

14427	2:50p-4:15p	Tu Th	Staff	SC-113-1	Full Semester
	1:15p-4:15p	W	Staff	SC-312	
14428	2:50p-4:15p	Tu Th	Staff	SC-113-2	Full Semester
	10:05a-1:05p	Th	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.

14429	6:55a-8:20a	M W	Staff	SC-113-1	Full Semester
	10:05a-1:05p	M	Staff	SC-312	
14430	6:55a-8:20a	M W	Staff	SC-113-2	Full Semester
	6:55a-9:55a	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.

12803	8:30a-9:55a	Tu Th	Andrade P	D-101	Full Semester
12885	8:30a-9:55a	M W	Petri M	D-106	Full Semester
12894	9:00a-12:10p	F	Petri M	D-101	Full Semester
12802	11:40a-1:05p	M W	Murphy T	ZOOM	Full Semester
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.					
12878	11:40a-1:30p	M W	Becker C	D-101	09/06-12/11
12875	2:50p-4:40p	M W	Becker C	D-101	09/06-12/11

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Honors Courses:

 **HONORS**

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12869	5:00p-9:05p	M	Becker C	D-101	09/12-12/11
12792			Murphy T	ONLINE	Full Semester

	5:00p-6:25p	Tu	Staff	ZOOM	
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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.

O 12795			Andrade P	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

12798			Murphy T	ONLINE	08/22-10/16
	5:30p-6:55p	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.

12800			Murphy T	ONLINE	10/17-12/11
	5:30p-6:55p	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.

12879			Murphy T	ONLINE	Full Semester
	5:30p-6:55p	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.

O 12886			Andrade P	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

O 13061			Andrade P	ONLINE	08/22-10/16
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Available for all students.

POLT 200, AMERICAN POLITICAL THOUGHT **3.0 UNITS**

Examination of various theoretical approaches to politics within the American political context. Analysis of selected political theories and their application to American politics.

O 12892			Murphy T	ONLINE	Full Semester
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Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

POLT 201, INTRODUCTION TO COMPARATIVE POLITICS **3.0 UNITS**

A comparative analysis of different kinds of political systems, including their histories, political institutions, processes and policies, the environment in which they occur, and their consequences.

12887	10:05a-11:30a	Tu Th	Andrade P	D-101	Full Semester
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PSYCHOLOGY (PSYC)

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

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

12908	7:05a-8:30a	M W	Pedroza J	D-434	Full Semester
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Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

12909	7:05a-8:30a	Tu Th	Pedroza J	D-434	Full Semester
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Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

12912	9:35a-11:00a	M W	Pedroza J	D-434	Full Semester
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Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.


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


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12913	11:10a-12:35p	M W	Pedroza J	D-434	Full Semester
Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
12916	11:10a-12:35p	Tu Th	Pedroza J	D-434	Full Semester
Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
 12918			Nardi N	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway course. Available for all students. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
 12919			Yimenu B	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in 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 for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
 12923			Ortiz 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. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
 12925			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. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
 12926			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. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
 12933			Castillo 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. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
 12940			Ortiz 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. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					


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.


 12942			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. Your instructor has elected to use Open Educational Resources 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**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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.

12943**9:00a-10:25a****M W****Staff****ZOOM****Full Semester**

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.

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.

O 12945**Ortiz 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. Your instructor has elected to use Open Educational Resources for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 12946**Ortiz R****ONLINE****08/22-10/16**

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

PSYC 170, MULTICULTURAL PSYCHOLOGY**3.0 UNITS**

Introduces students to important issues related to cultural diversity in the field of psychology. Major areas of psychology will be explored from a multicultural perspective, including research, mental health, social psychology, and identity development. Exploration of historically underrepresented populations in the U.S. will be emphasized.

O 12948**Ortiz R****ONLINE****10/17-12/11**

Fully Online Instruction. Students are required to log in 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 for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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.

O 12951**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.

O 12952**Nardi N****ONLINE****10/17-12/11**

Fully Online Instruction. Students are required to log in 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.

O 12954**Castillo 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.

O 12955**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.

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

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

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

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

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

- O 12956** 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.
- O 12958** Ortiz R ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in 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 for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.
- O 14152** Castillo R ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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 for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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.

- O 12959** 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.
- O 12960** Nardi N ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. Online Degree Pathway. Registration open to all students.
- O 12961** Castillo 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.
- O 14153** 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 230, PSYCHOLOGY OF ADJUSTMENT 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.

- O 12962** Castillo R ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

PSYC 240, INTRODUCTION TO SOCIAL PSYCHOLOGY 3.0 UNITS
An exploration of the interlocking dynamics of psychology and sociology focusing on the impact of social groups on individuals and on other groups. Content includes self-development, interaction, attitudes, conformity, friendship, love, aggression, group dynamics. Prerequisite: Psychology 100 or Sociology 100 with a minimum grade of C.

- O 14154** Ortiz R ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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 for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

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.

12964 9:35a-11:00a Tu Th Pedroza J D-434 Full Semester

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

Low Cost or
Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

O 12963	Castillo R	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.			

READING (READ)

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

O 14181	Colunga M	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in 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 14183	Colunga M	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in 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 14184	Colunga M	ONLINE	Full Semester
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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.

O 14185	Colunga M	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.			

READ 150, CRITICAL READING **3.0 UNITS**
 This course addresses the relationship between critical reading and critical thinking, including emphasis on the development of critical reading and thinking skills that facilitate the interpretation, analysis, criticism, and advocacy of ideas encountered in academic reading.

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

O 14187	Staff	ONLINE	08/22-10/16
Fully Online Instruction. Students are required to log in 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 14188	Staff	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in 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 14189	Staff	ONLINE	Full Semester
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SOCIOLOGY (SOC)

SOC 100, INTRODUCTION TO SOCIOLOGY **3.0 UNITS**
 The scientific study of human societies and behavior focusing on the process of social interaction, patterns of social inequality, and the influence of social institutions on individuals as members of social groups. Special emphasis provided to explain factors promoting social stability and social change.

13746	7:00a-8:25a	M W	Campbell 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.					

13750	7:00a-8:25a	Tu Th	Campbell 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.					

13742	9:00a-12:10p	F	Torres S	D-103	Full Semester
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13745	11:10a-12:35p	M W	Torres S	D-213	Full Semester
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13755	6:00p-9:10p	Th	O'Dell R	ZOOM	Full Semester
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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 13759	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.			

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

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

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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

- O** 13762 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.
- O** 13766 Cicchelli G ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings. .Online Degree Pathway course. Available for all students.
- O** 13845 Torres S ONLINE 08/22-10/16
Fully Online Instruction. Students are required to log in 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** 13847 O'Dell 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.
- O** 13848 Ramirez C ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in 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** 14621 Ramirez 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.

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.

13751 8:35a-10:00a Tu Th Campbell 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.

13749 10:20a-11:45a M W Campbell 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.

O 13855 O'Dell R ONLINE 10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.

SOC 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.

13748 8:35a-10:00a M W Campbell 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.

13752 10:20a-11:45a Tu Th Campbell 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.

SOC 140H, HONORS ANALYSIS OF SOCIAL TRENDS AND PROBLEMS 3.0 UNITS


A seminar-style, in-depth sociological analysis and critique of U.S. social trends and problems with an emphasis on contemporary and historical social policy with additional consideration of global perspectives.

O 13858 Ramirez 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.


- O** ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times
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- CV** ON CAMPUS W/VIRTUAL: On-Campus with Virtual Instruction – A combination of on-campus and live streaming Zoom meetings
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Low Cost or Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

SPANISH (SPAN)

SPAN 101, ELEMENTARY SPANISH I

5.0 UNITS

Practice and integration of pronunciation, grammar, vocabulary, common idioms, listening, speaking, reading, and writing techniques for the expression of ideas orally and in writing. Introduction to Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 101 is equivalent to two years of high school Spanish.

13871	10:05a-12:35p	Tu Th	Valle M	D-303	Full Semester
13873	10:05a-12:35p	M W	Fuentes Sanchez A	D-304	Full Semester
13875	1:15p-4:25p	M W	Staff	D-302	09/05-12/11
13922	1:15p-3:45p	Tu Th	Palacios R	D-303	Full Semester
13921	7:00p-9:30p	M W	Torres J	D-303	Full Semester

Section 13921 has been specifically designed for SPANISH SPEAKERS. This class requires the text "Portales 2" with the electronic code for online lab materials.

O **14107** **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.

O **14130** **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.

O **14133** **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.

O **14135** **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.

O **14137** **Fiallo 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. Section 14137 has been specifically designed for SPANISH SPEAKERS. This class requires the text "Portales 2" with the electronic code for online lab materials.

14139			Quintero E	ONLINE	Full Semester
	4:25p-6:55p	M	Staff	CHS-430	

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, 8/22, 9/19, 10/17, 11/14, and 12/5 from 4:25 -6:55 p.m. This section is a Dual Enrollment course at Century High School (CHS) and requires the text "Puntos de partida" with the electronic code for online lab materials.

O **14143** **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.

14148			Aguilar Hernandez G	ONLINE	Full Semester
	4:25p-6:55p	M	Staff	SAHS	

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, 8/22, 9/19, 10/17, 11/14, and 12/5 from 4:25 -6:55 p.m. This section is a Dual Enrollment course at Santa Ana High School (SAHS) and requires the text "Puntos de partida" with the electronic code for online lab materials.

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

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

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

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

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

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

Low Cost or
Free Textbooks


 **OER**

 **ZTC**

Honors Courses:


 **HONORS**

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14150	4:25p-6:55p	Th	Fuchs D Staff	ONLINE ALA	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 Thursdays, 8/25, 9/22, 10/20, 11/17, and 12/8 from 4:25 -6:55 p.m. This section is a Dual Enrollment course at Advanced Learning Academy (ALA) and requires the text "Puntos de partida" with the electronic code for online lab materials.					
 14151			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.					
14200	4:25p-6:55p	Tu	Aguilar Hernandez G Staff	ONLINE GHS	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, 8/23, 9/20, 10/18, 11/15, and 12/6 from 4:25 -6:55 p.m. This section is a Dual Enrollment course at Godinez High School (GHS) and requires the text "Puntos de partida" with the electronic code for online lab materials.					
14203	4:25p-6:55p	Th	Goite A Staff	ONLINE GHS	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 Thursdays, 8/25, 9/22, 10/20, 11/17, and 12/8 from 4:25 -6:55 p.m. This section is a Dual Enrollment course at Godinez High School (GHS) and requires the text "Puntos de partida" with the electronic code for online lab materials.					
14287	1:15p-3:45p	Tu	Fiallo C Staff	ONLINE ZOOM	09/05-12/11
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, 9/6, 9/27, 10/18, 11/15, and 12/6 from 1:15-3:45p.m. Section 14287 has been specifically designed for SPANISH SPEAKERS. This class requires the text "Portales 2" with the electronic code for online lab materials.					

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.


 14108			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.					
14290	1:15p-3:45p	Tu	Fiallo C Staff	ONLINE ZOOM	09/05-12/11
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, 9/6, 9/27, 10/18, 11/15, and 12/6 from 1:15-3:45 p.m. Section 14290 has been specifically designed for SPANISH SPEAKERS. This class requires the text "Portales 2" with the electronic code for online lab materials.					


SPAN 102, ELEMENTARY SPANISH II**5.0 UNITS**


A college-level Spanish class focusing on further training in language skills providing avenues for the expression of ideas orally and in writing. Additional study of Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 102 is equivalent to the third year of high school Spanish.


Prerequisite: Spanish 101 or Spanish 101H with a minimum grade of C or two years of high school Spanish with a passing grade. All Cal State and UC universities Spanish programs require a minimum grade of C in Spanish 101 or two years in high school with a passing grade.


13927	4:25p-6:55p	Tu Th	Paniagua P	D-302	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.

**Low Cost or
Free Textbooks**

 **OER**


 **ZTC**

Honors Courses:

 **HONORS**

14206 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.

14209 Guerrero-Phlaum M ONLINE Full Semester
4:25p-6:55p F 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. This section has 5 mandatory Zoom meetings on Fridays, 8/26, 9/23, 10/21, 11/18, and 12/9 from 4:25 -6:55 p.m. This class requires the text "Puntos de partida" with the electronic code for online lab materials.

 **14261** Quintero E 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. Section 14261 has been specifically designed for SPANISH SPEAKERS. This class requires the text "Portales 2" with the electronic code for online lab materials.

14266 Fuchs D ONLINE Full Semester
4:25p-6:55p W Staff GHS
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, 8/24, 9/21, 10/19, 11/16, and 12/7 from 4:25 -6:55 p.m. This section is a Dual Enrollment course at Godinez High School (GHS) and requires the text "Puntos de partida" with the electronic code for online lab materials.

SPAN 102H, HONORS ELEMENTARY SPANISH II**5.0 UNITS**

Further enhanced and intensive training in language skills for the expression of ideas orally and in writing. Additional enriched study of Hispanic culture. Note: Some sections are designated for Spanish speakers. Spanish 102H is equivalent to the third year of high school Spanish.


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

14254 Guerrero-Phlaum M ONLINE Full Semester
4:25p-6:55p F 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. This section has 5 mandatory Zoom meetings on Fridays, 8/26, 9/23, 10/21, 11/18, and 12/9 from 4:25 -6:55 p.m. This class requires the text "Puntos de partida" with the electronic code for online lab materials.

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.


 **14269** 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.


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.


 **14271** 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

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

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

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Low Cost or Free Textbooks

 **OER**

 **ZTC**


Honors Courses:

 **HONORS**

SPAN 213, COLLEGE SPANISH COMPOSITION

3.0 UNITS

Writing of composition through discussions and interpretive readings.
SPAN 201 or SPAN 201H: Concurrent enrollment in Spanish 201 or Spanish 201H.

 14274	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.			

SPEECH-LANGUAGE PATHOLOGY ASST (SLPA)

SLPA 118, INTRODUCTION TO SPEECH-LANGUAGE PATHOLOGY ASSISTING

1.0 UNIT

Overview of the field of speech-language pathology, professional standards, legal and ethical issues, and scope of responsibilities of the speech-language pathologist and the speech-language pathology assistant in health care and educational settings.

13138	4:00p-5:05p	Tu	Zarske M	H-205	Full Semester
This class meets on-campus.					

SLPA 119, SPEECH-LANGUAGE AND HEARING DEVELOPMENT ACROSS THE LIFE SPAN

3.0 UNITS

Study of normal speech, hearing, and language development across the life span. Topics will include differentiation of normal from disordered communication and communication development in bilingual populations.

13139	5:15p-8:25p	Tu	Meloch M	H-205	Full Semester
This class meets on-campus.					

SLPA 160, INTRODUCTION TO COMMUNICATIVE DISORDERS AND TREATMENT

3.0 UNITS

An overview of communication disorders, including classification, assessment and remediation of speech, language, swallowing, and hearing disorders in children and adults. Role of speech-language pathologist and audiologist in educational and medical settings.

13140	5:00p-8:10p	M	Lee E	H-207	Full Semester
This class meets on-campus.					

SLPA 170, INTRODUCTION TO PHONETICS

3.0 UNITS

Study of the articulatory foundations of the description and classification of speech sounds. Introduces the International Phonetic Alphabet (IPA), physiological properties of the speech-producing mechanism, and methods of transcription. Emphasis will be on American English along with comparison to the sound systems of other languages.

13141	5:00p-8:10p	W	Zarske M	H-205	Full Semester
This class meets on-campus.					

SLPA 180, SPEECH-LANGUAGE PATHOLOGY SCREENING PROCESSES AND INTERVENTION PROCEDURES

3.0 UNITS

Screening tools, processes, and intervention procedures used for clients with communication disorders. Administration of screening tests and completion of protocols. Equipment utilized in therapeutic treatment.

Prerequisite: Speech-Language Pathology Assistant 120 and Speech-Language Pathology Assistant 150 and Speech-Language Pathology Assistant 160 with a minimum grade of C.

13142	5:15p-7:20p	M	Meloch M	H-205	Full Semester
	5:15p-8:25p	Th	Meloch M	H-205	
This class meets on-campus.					










SLPA 190, SPEECH-LANGUAGE PATHOLOGY ASSISTANT CLINICAL FIELD WORK I

2.0 UNITS

Beginning application of supervised clinical practice procedures as required of a speech-language pathology assistant in an educational or clinical setting.

SLPA 120 and SLPA 150 and SLPA 160: Speech-Language Pathology Assistant 120 and Speech-Language Pathology Assistant 150 and Speech-Language Pathology Assistant 160 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.

13143	4:00p-4:50p	M	Zarske M	H-205	Full Semester
This class meets on-campus, Monday: 8/22/22, 09/19/22, 10/24/22, and 12/05/22 from 4:00p-4:50p. There will be 108 hours arranged for the semester. The instructor will provide details on other work assignments and assessments to be completed.					

 ONLINE: Fully Online Instruction - Time-flexible online course with no scheduled meeting times	<p>Low Cost or Free Textbooks</p>  OER  ZTC <p>Honors Courses:</p>  HONORS
 FULLY ONLINE LIVE: Fully Online Live Instruction - Live streaming instruction via Zoom	
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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 strategies for application across disciplines. Foundational to this course, students learn study skill techniques, such as: efficient time management and test-taking/test-anxiety reduction, stress management, effective note taking, textbook reading methods, and principles of memory, learning, motivation, and concentration. Particular attention is placed on individual, academic, and interpersonal success.

O 13757 **Staff** **ONLINE** **08/22-10/16**
1st 8 weeks (Online Degree Pathway-SociologyAA-T) Fully Online Instruction. Students are required to log in 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.

O 13760 **Staff** **ONLINE** **10/17-12/11**
2nd 8 weeks Fully Online Instruction. Students are required to log in 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.

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.

13764 **1:15p-2:40p** **M W** **Staff** **I-206** **08/22-10/16**
1st 8 weeks 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.

13767 **1:15p-2:40p** **Tu Th** **Staff** **I-206** **10/17-12/11**
2nd 8 weeks Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

O 13761 **Staff** **ONLINE** **08/22-10/16**
1st 8 weeks Fully Online Instruction. Students are required to log in 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.

O 13763 **Staff** **ONLINE** **10/17-12/11**
2nd 8 weeks Fully Online Instruction. Students are required to log in 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.

THEATRE ARTS (THEA)

THEA 100, INTRODUCTION TO THEATRE

3.0 UNITS

An introduction to the art and concepts of theatre through a study of modern and historical theories of dramatic structure, playwriting, directing, design, and acting. Attendance of live theatre required.

15956 **11:40a-1:05p** **Tu Th** **Cannon C** **ZOOM** **Full Semester**
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 Zero Textbook Cost (ZTC) class.

15957 **11:40a-1:05p** **M W** **Cannon C** **P-105** **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.

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

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

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Low Cost or
Free Textbooks

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

O 15958 **Cannon 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. 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.

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.

O 15961 **Cannon 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.

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.

15964	1:50p-3:15p	M W	Cannon C	DMC-135	Full Semester
	3:15p-3:45p	M W	Cannon C	DMC-135	

THEA 114, ACTING FOR THE CAMERA II **3.0 UNITS**
An intermediate and immersive on-camera experience in which the student will have opportunities to practice skills and techniques in several styles of camera production: movie/TV narrative drama, comedy, and reality TV. The material from these performances is edited, screened, and discussed.

Recommended Preparation: Theatre Arts 113 with a minimum grade of C.

15967	1:50p-2:40p	M W	Cannon C	DMC-135	Full Semester
	2:50p-4:15p	M W	Cannon C	DMC-135	

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.

O 15962 **Cannon 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.

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.

15968	8:30a-9:55a	M W	Turner S	P-100	Full Semester
	9:55a-10:25a	M W	Turner S	P-100	

THEA 135, TECHNICAL PRODUCTION **2.0 UNITS**
Supervised instruction and practical experience in backstage production responsibilities including stage management, scenery construction and movement, properties, costuming, lighting, sound, and running crews.

15969	10:30a-11:00a	Tu Th	Mittler W	P-100	Full Semester
	8:30a-10:30a	Tu Th	Mittler W	P-100	

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.

15970	1:15p-2:40p	Tu	Ho J	T-201	Full Semester
	2:40p-3:10p	Tu	Ho J	T-201	
	1:15p-2:40p	Th		P-108	

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

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

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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**

THEA 140A, THEATRE PERFORMANCE 2.0 UNITS

An introduction to theatre performance emphasizing acting technique, theatre vocabulary, and creative individual expression. Students learn the process of presenting a role on stage. Prepares the student for Theatre Performance 140B. All actors must audition and be cast prior to enrolling.

15971 Cannon C P-105 Full Semester
72 hours arranged per semester

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.

15977 Chamberlain A P-100 08/22-10/30
88 hours arranged per semester

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, or sound. This course culminates into a series of public performances. All student technicians must obtain instructor approval prior to enrolling.

15978 Turner S P-100 08/22-10/30
88 hours arranged per 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.

15979 Chamberlain A P-100 08/22-10/30
90 hours arranged per semester

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.

15973 Cannon C P-105 Full Semester
126 hours arranged per semester

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.

15974 Cannon C P-105 Full Semester
126 hours arranged per semester

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.

15975 Cannon C P-105 Full Semester
126 hours arranged per semester

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.

THEA 257: Theatre Arts 257 with a minimum grade of C.

15976 Cannon C P-105 Full Semester
126 hours arranged per semester

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.

13929 1:15p-3:45p M W Tran T D-303 Full Semester

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

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Low Cost or Free Textbooks

 OER

 ZTC

Honors Courses:

 HONORS

14275 **4:25p-6:55p** **Tu** **Nguyen N** **ONLINE** **Full Semester**
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. This section has 5 mandatory Zoom meetings on Tuesdays, 8/23, 9/20, 10/18, 11/15, and 12/6 from 4:25 -6:55 p.m.

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.

14281 **4:25p-6:55p** **Th** **Nguyen N** **ONLINE** **Full Semester**
Staff **ZOOM**

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 Thursdays, 8/25, 9/22, 10/20, 11/17, and 12/8 from 4:25 -6:55 p.m.

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).

13560 **8:00a-11:10a** **M W** **Gonzales G** **HYBRID** **Full Semester**
Gonzales G **K-115**

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

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

13562 **8:00a-11:10a** **Tu Th** **Diamond Z** **HYBRID** **Full Semester**
Diamond Z **K-115**

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

13563 **1:00p-4:10p** **M W** **Diamond Z** **HYBRID** **Full Semester**
Diamond Z **K-115**


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


WELD 153, MATH/BLEUPRINT READING FOR WELDERS**3.0 UNITS**


This course focuses on math used in welding and blueprint reading. Emphasis will be placed on welding blueprint symbols along with industry mathematics. The student will be able to read and interpret shop, field drawings, and blueprints related to the welding industry.


 **13564** **Diamond Z** **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.

**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

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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.

13565	Diamond Z	HYBRID	Full Semester
6:00p-9:10p	M W	K-115	

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

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.

13566	Diamond Z	HYBRID	Full Semester
6:00p-9:10p	M W	K-115	

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

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.

13567	Gonzales G	HYBRID	Full Semester
1:00p-4:10p	Tu Th	K-115	

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

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).

WELD 225: Welding 225 with a minimum grade of C.

13568	Gonzales G	HYBRID	Full Semester
6:00p-9:10p	Tu Th	K-115	

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







WELD 242, STRUCTURAL WELDING FCAW**3.0 UNITS**

This is an advanced course designed to provide students with specialized instruction in flux cored arc welding (FCAW) for the Los Angeles Department of Building and Safety (LADBS) welder performance examination and/or the welder performance examination in accordance with the American Welding Society (AWS) D1.1 Structural Steel Code. Simulated examination plates will be issued to students, who will have to complete them in vertical (3G) and overhead (4G) positions, in order to evaluate their progress. Upon completion of the class, students should be prepared to schedule, take, and pass the welder performance examination for structural steel welding (AWS: D1.1).

WELD 225: Welding 225 with a minimum grade of C.

13569	Gonzales G	HYBRID	Full Semester
6:00p-9:10p	Tu Th	K-115	

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

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**Low Cost or
Free Textbooks**

 **OER**

 **ZTC**

Honors Courses:

 **HONORS**

WELD 256, ALTERNATIVE WELDING PROCESSES**3.0 UNITS**

The Alternative Welding Processes course focuses on robot and laser safety, programming, and operation. The course trains students in the fundamentals of robot programming and language. Laser welding includes the development and documentation of procedures and qualification of welds, and the calibration of equipment for welding.

WELD 101 and WELD 125: Welding 101 and 125 with a minimum grade of C.

15748	8:00a-10:05a	Sa	Schlock T	K-115	Full Semester
	10:15a-1:25p	Sa	Schlock T	K-115	

This class meets on-campus.

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.


13571			Diamond Z	HYBRID	Full Semester
	6:00p-9:10p	M W	Diamond Z	K-115	


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


WOMEN'S STUDIES (WMNS)**WMNS 101, INTRODUCTION TO WOMEN'S STUDIES****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.


 13861	Boles 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.			
 13862	Boles K	ONLINE	10/17-12/11
Fully Online Instruction. Students are required to log in to Canvas by the first day of class for detailed information and required course work. canvas.sac.edu There will be no instructional meetings.			
 13864	Boles 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.			

 **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

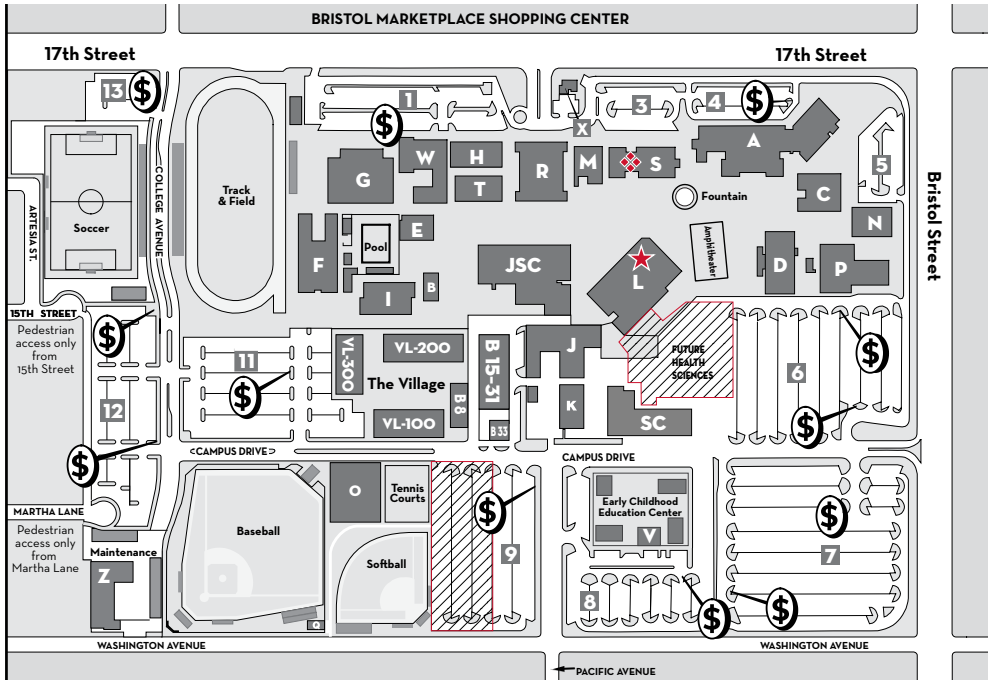
 OER

 ZTC

Honors Courses:

 HONORS

CAMPUS MAP



PARKING

(\$) Daily Permit Dispenser (\$2.00 for 8 hours)

1 STAFF
2 SECURITY
3 VISITOR
4 - 5 STAFF
6 - 13 STUDENT
(except as posted)

CAUTION!

Parking in Bristol Marketplace, across the street from Santa Ana College, is not allowed. Violations will result in tow-aways. RSCCD requires parking permits for student and staff lots at Santa Ana College and Santiago Canyon College. Semester Parking Permits may be purchased at time of registration for \$30.00 in the Student Business Office in the Johnson Student Center (JSC-202) at Santa Ana College as well as in the Cashier's Office at Santiago Canyon College. The purchase of your permit funds parking services and vehicle security when parked on campus.

▨ Denotes "Closed for Construction" ★ Student Help Desk - Inside Nealley Library ◆ Student Resource Desk: S-Building Lobby

SAC FACILITIES AND LOCATIONS

A Cesar Chavez Building	EOPS/CARE/CalWORKs	JSC-212	Q Sports Concession
Academic Computing Center A-106	Financial Aid	JSC-201	R Russell Hall
Distance Education A-101	Grab-N-Go	JSC-116	S Administration Building – First Floor:
B Middle College High School	Guardian Scholars	JSC-215	Admissions / Records S-101
SAUSD Administration Office B-10	Health & Wellness Center	JSC-110	Counseling S-112
Classrooms (The Village) VL-300	International Student Program	JSC-208	Graduation Office S-104
B 8 Adult Education Center Office	Lactation Room	JSC-110	Promise Program S-110
B 15 - 31 Adult Education Classrooms	Reprographics	JSC-120	PUENTE Program S-110
B 33 Adult Education Classrooms	SSSP (TriO) Upward Bound	JSC-209	University Transfer Center & Center for Teacher Education S-110
C Fine Arts / Art Gallery	Student Business Office	JSC-202	Administration Building – 2nd Floor:
D Dunlap Hall	Student Life	JSC-102	Community Services Program S-203
Honors Program D-307	Student Placement	JSC-203	Foundation S-201
Learning Center D-428	The Spot	JSC-101	Scholarship Program S-201
E Fitness Center	K Welding / Auto Diesel		Student Outreach S-213
F Locker Rooms	L Nealley Library - 1st Floor		SC Science Center
G Cook Gym	L Building - 2nd Floor:		T Technical Arts
H Hammond Hall	Assessment Center	L-223	V Early Childhood Education Center
I Classroom Building	Career Center	L-222	Classroom V-103
J Auto Shop	Math Study Center	L-204	VL The Village
JSC Johnson Student Center	MESA Program	L-206	Middle College High School Classrooms V-300
Associated Student Government (ASG) JSC-103	M Planetarium		W Kinesiology
Bookstore (in Campus Store) JSC-117	Veterans Resource Center	M-120	X Security / Safety
Cafe -Coffee/Juice Bar JSC-118	N Music Building		Z Maintenance
Campus Store/Quick Stop JSC-117	O Central Plant		
Disabled Students Program (DSPS) JSC-108	P Phillips Hall Theatre		



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In your space ... in your time

- Distance Education courses give you an opportunity to complete most of your work outside the traditional classroom.
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Contact us @ (714) 564-6725 or sac_disted@sac.edu

Distance Education Office - Cesar Chavez Building, Room A-101



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Santa Ana, CA 92704

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DIGITAL MEDIA CENTER

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Santa Ana, CA 92708

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