

# schedule of classes fall 2012

[www.sac.edu](http://www.sac.edu)



Classes begin  
August 27



**SANTA ANA**  

---

**COLLEGE**

Santiago Canyon College  
classes on reverse side



Erlinda J. Martinez, Ed.D.

## MESSAGE FROM THE PRESIDENT

Dear Students:

Thank you for choosing Santa Ana College. At SAC, we are dedicated to providing you with the programs and services to assist you in achieving your educational and career goals. Our schedules and classes are designed to meet your needs, and we have more than 300 subjects leading to the associate degree in science or arts or vocational certificate of competency.

Despite budget constraints, you can be assured of our commitment to students. We believe that community colleges are vital, now more than ever, to educate and train a workforce in this new economy. Our increase in average student load last year attested to the need for higher education services and we are responding by meeting these needs in the most efficient and fiscally conservative manner possible.

We pride ourselves on the accomplishments of our students. The achievements of our alumni can be seen in areas such as business, public service, science and technology. We hope that you enjoy your experience at SAC and that you will be inspired to stay connected to us and help reach future generations of leaders.

SAC is your college. We look forward to providing you with an exceptional educational experience.

See you around campus!

Erlinda J. Martinez, Ed.D.

## TABLE OF CONTENTS

Click on page number to access page.

<b>CALENDARS</b> .....	<b>1</b>
<b>HELP</b> .....	<b>2-3</b>
<b>ADMISSIONS / REGISTRATION</b> .....	<b>4-6</b>
<b>FEES / FINANCIAL ASSISTANCE</b> .....	<b>7, Insert Following Page 85</b>
<b>TESTS</b> .....	<b>8-9</b>
<b>POLICIES, NOTICES, GRADES</b> .....	<b>10-11</b>
<b>CLASSES – Weekend, GR8 Weeks, Honors, Online, Television, Freshman Experience, Learning Communities</b> .....	<b>14-21</b>
<b>CLASSES – College Credit</b> .....	<b>21-71</b>
<b>SERVICES</b> .....	<b>74-76</b>
<b>ACADEMIC PLANNING</b> .....	<b>77-81</b>
<b>CONTINUING EDUCATION – Programs &amp; Locations</b> .....	<b>82-83</b>
<b>MAPS and LOCATIONS</b> .....	<b>84-85</b>

## PARKING

### CAMPUS PARKING INFORMATION

RSCCD requires parking permits for student and staff lots at Santa Ana College and Santiago Canyon College. Parking permits may be purchased at time of registration for \$30.00 in Room U-201, Johnson Center 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.

### REFUND OF PARKING FEE

Any student who withdraws from full-semester class(es) through the first two weeks of instruction may request a refund for his/her parking permit. The student is required to return the parking permit in its original condition. No refund will be allowed after the second week of instruction. No refund will be allowed if the parking permit is lost or stolen.

### PARKING LOT DISCLAIMER

Rancho Santiago Community College District is not responsible for damages to, loss of, or thefts from vehicles parked on campus, except as defined under the applicable Government Codes of California, including [810-966.6].

### CAUTION!

Parking in Bristol Marketplace, across the street from Santa Ana College, is not allowed. Violations will result in tow-aways.

## SANTA ANA COLLEGE MISSION STATEMENT

The mission of Santa Ana College is to be a leader and partner in meeting the intellectual, cultural, technological, workforce and economic development needs of our diverse community. Santa Ana College prepares students for transfer, employment, careers and lifelong intellectual pursuits in a dynamic learning environment.

## INDEX

Admissions .....	4	Weekend .....	14	Policies & Notices .....	10-11
Assessment .....	79	Fees & Tuition .....	7	Prerequisites .....	77
Associate Degree Requirements .....	78-79	Final Exam Schedule .....	9	Public Service Institute (PSI)	
Calendars .....	1	General Education Requirements for CSUs ..	80	Business Seminars .....	12
California State University General		Grades .....	10-11	Refunds .....	7
Education Breadth Requirements .....	80	Help — Where to Find It! .....	2-3	Registration Information .....	4-6
Certificate Requirements .....	79	Información en español .....	2	Sexual Harassment Policy .....	10
CLASSES		Intersegmental General Education		Student Activities .....	73
College Credit .....	21-71	Transfer Curriculum (IGETC) .....	81	Student Right-To-Know Act .....	12
Community Services .....	74	Locations, Campus, Class, and Facility .....	13, 85	STUDENT SERVICES .....	74-76
Continuing Education .....	82-83	MAPS		Bookstore, Food Service, Library .....	74
Freshman Experience .....	16	District .....	84	Child Care Services .....	74
GR8 Weeks .....	15	Santa Ana College .....	85	Disabled Students .....	75
Honors .....	16	Nondiscrimination Policy .....	10	E.O.P.S. ....	75
Learning Communities II .....	16	Online Registration .....	6	Psychological Services .....	76
Online and Hybrid .....	17-20	Parking .....	This Page		
Television .....	21	Placement Tests .....	8-9		

# Santa Ana College

FALL 2012 COLLEGE CREDIT (August 27 – December 16, 2012)

## CLASS SCHEDULE

### ADMISSIONS HOURS (see page 74 for Registration hours)

Monday – Thursday.....8:00 am – 6:45 pm	The college is closed December 24, 2012
Friday.....8:00 am – 4:30 pm	through January 1, 2013
Saturday (September 1 only).....8:30 am – 12:30 pm	❖ Office hours subject to change

### REGISTRATION CALENDAR

July 16 – August 25, 2012.....	Online registration for CONTINUING students
August 7 – August 25, 2012.....	New and returning students view your registration appointment online.
August 23 – August 25, 2012.....	CAP (concurrent K–12) students register online
August 27 – October 20, 2012.....	Registration for late-starting classes continues online

### INSTRUCTIONAL CALENDAR

August 27, 2012.....	Instruction begins for Fall classes (full semester) and first GR8 Weeks session
October 22, 2012.....	Second GR8 Weeks classes begin
December 10–16, 2012.....	Final Exams Week

### CLASS ADD OR DROP DEADLINES

September 7, 2012.....	Last date to add a class with instructor signature or add code
September 9, 2012.....	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 9, 2012.....	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
October 26, 2012.....	Last date to add a second GR8 Weeks class with instructor signature or add code
November 18, 2012.....	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

September 11, 2012.....	Last date to file pass/no pass for first GR8 Weeks classes
September 28, 2012.....	Last date to file pass/no pass for full-semester classes
October 19, 2012.....	Last date to petition for CSU and IGETC
October 19, 2012.....	Last date to petition for December certificates
October 19, 2012.....	Last date to petition for December graduation
November 5, 2012.....	Last date to file pass/no pass for second GR8 Weeks classes

### HOLIDAY CALENDAR

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

September 3, 2012.....	Labor Day (Monday)
November 12, 2012.....	Veteran’s Day (Monday - Observed)
November 22–25, 2012.....	Thanksgiving Day (Thursday-Sunday)
December 24–31, 2012.....	Holiday Break
January 1, 2013.....	New Year’s Day (Tuesday)



**CLICK ON ANY  
WEB URL IN THIS  
SCHEDULE TO  
ACCESS THAT SITE.**

**CLICK ON ANY PAGE  
NUMBER REFERENCE TO  
ACCESS THAT PAGE.**

# WE'RE HERE TO HELP . . .

## Answers to your questions about

- **Santa Ana College (www.sac.edu)**
- **Rancho Santiago Community College District (www.rsccd.edu)**
- **Education and support centers, facilities, programs, services, and more . . .**

**For answers to questions about Santiago Canyon College, call 714-628-4900.**

TO CONTACT OR LEARN ABOUT . . .	ADMINISTRATOR/CONTACT	LOCATION	TELEPHONE
Academic Computing Center . . . . .	Michael Nguyen . . . . .	SAC, Cesar Chavez Building, A-106 . . . . .	714-564-6731
Acquired Brain Impairment Program . . . . .	Renee Miller . . . . .	SAC, Planetarium, M-105 . . . . .	714-564-6280
ACT Center . . . . .	Ruth Cossio-Muniz . . . . .	RSCCD, 2323 N. Broadway, Rm. 315, Santa Ana, CA 92706 . . . . .	714-480-7560
Add or Drop Class . . . . .	SAC Registration . . . . .	SAC, Johnson Campus Center, U-201 . . . . .	714-564-6005
Admissions . . . . .	Mark Liang . . . . .	SAC, Administration Building, S-101 . . . . .	714-564-6005
American Sign Language . . . . .	Monica Collins . . . . .	SAC, Johnson Campus Center, U-107 . . . . .	(TDD 714-564-6284) 714-564-6283
Articulation—High Schools/ROPS . . . . .	. . . . .	SAC, Russell Hall, R-107 . . . . .	714-564-6224
Articulation—Universities . . . . .	Paula Canzona . . . . .	SAC, Administration Building, S-107-2 . . . . .	714-564-6088
Assistive Technology Center . . . . .	Don Dutton . . . . .	SAC, Johnson Campus Center, U-103 . . . . .	714-564-6260
Athletics . . . . .	Avie Bridges . . . . .	SAC, Kinesiology Building, W-102 . . . . .	714-564-6900
Bookstore . . . . .	Bookstore Staff . . . . .	SAC, Johnson Campus Center . . . . .	714-564-6435
Business and Entrepreneurship Center . . . . .	Maricela Sandoval . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-564-5533
Business and Entrepreneurship Centers Statewide . . . . .	Michael Roessler . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	916-361-2964
California-Mexico Trade Assistance Center . . . . .	Enrique Perez . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-564-5414
CalWORKs . . . . .	. . . . .	SAC, Johnson Campus Center, U-101 . . . . .	714-564-6150
Career/Job Resource Center . . . . .	Marisela Godinez/Sandy Morris-Pfyl . . . . .	SAC, Library Building, L-225 . . . . .	714-564-6254
Cashier's Office . . . . .	Cashier's Office Staff . . . . .	SAC, Administration Building, S-104 . . . . .	714-564-6965
<b>Centennial Education Center (CEC)</b> . . . . .		<b>CEC, 2900 W. Edinger, Santa Ana, CA 92704</b> . . . . .	<b>714-241-5700</b>
Center for International Trade Development . . . . .	Jetza Torres . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706, Room 328 . . . . .	714-564-5414 or 5415
Child Development Services . . . . .	Dee Tucker . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7546
<i>Santa Ana College.</i> . . . .	Veronica MacKenney . . . . .	SAC, Child Development Center, 1730 W. 17th St., Santa Ana . . . . .	714-564-6894
<i>Santa Ana College East Campus.</i> . . . .	Maria Castellon . . . . .	1510 N. Parton, Santa Ana . . . . .	714-564-6952
<i>Centennial Education Center.</i> . . . .	Enriqueta Isais . . . . .	CEC, 2900 W. Edinger, Santa Ana . . . . .	714-241-5739
<i>Early Head Start.</i> . . . .	Dee Tucker . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7544
Clubs/Organizations . . . . .	Linda Morrow . . . . .	SAC, Johnson Campus Center, U-121A . . . . .	714-564-6214
Community Relations . . . . .	. . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7505
Community Services . . . . .	Lithia Williams . . . . .	SAC, Administration Building, S-201 . . . . .	714-564-6594
Communication Disabilities . . . . .	Renee Miller . . . . .	SAC, Planetarium, M-105 . . . . .	714-564-6280
Computer Lab . . . . .	Michael Nguyen . . . . .	SAC, Cesar Chavez Building, A-106 . . . . .	714-564-6731
<b>Continuing Education Division, CEC.</b> . . . . .		CEC, 2900 W. Edinger, Santa Ana . . . . .	714-241-5700
Cooperative Work Experience . . . . .	Allen Dooley . . . . .	SAC, Cesar Chavez Building, A-103 . . . . .	714-564-6750
Corporate Training Institute . . . . .	Ruth Cossio-Muniz . . . . .	RSCCD, 2323 N. Broadway, Rm. 328, Santa Ana, CA 92706 . . . . .	714-564-5521
Counseling . . . . .	SAC Counseling Center Staff . . . . .	SAC, Administration Building, S-112 . . . . .	714-564-6100
<b>Criminal Justice, OC Sheriff's Regional Training Academy,</b> John Finch . . . . .		<b>15991 Armstrong Ave., Tustin, 92782</b> . . . . .	<b>714-566-9200</b>
CTE Transitions . . . . .	John Kalko . . . . .	SAC, Russell Hall, R-105 . . . . .	714-564-6629
Deaf and Hard of Hearing . . . . .	Monica Collins . . . . .	SAC, Johnson Campus Center, U-107 . . . . .	(TDD 714-564-6284) 714-564-6283
Developmentally Delayed Learners . . . . .	Maria Aguilar . . . . .	SAC, Russell Hall, R-101 . . . . .	714-564-6295
<b>Digital Media Center.</b> . . . . .	Gustavo Chamorro . . . . .	<b>DMC, 1300 S. Bristol Street, Santa Ana, CA 92708</b> . . . . .	<b>714-241-5812</b>
Disabled Student Programs and Services (see page 75) . . . . .	Elyse Chaplin . . . . .	SAC, Johnson Campus Center, U-103 . . . . .	714-564-6260
Distance Education (Online Classes) . . . . .	Cherylee Kushida . . . . .	SAC, Cesar Chavez Building, A-101 . . . . .	714-564-6725
<b>DISTRICT SAFETY AND SECURITY</b> . . . . .	Al Chin . . . . .	<b>RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706</b> . . . . .	<b>714-480-7331</b>
<b>DIVISIONS/DEPARTMENTS</b>			
Business . . . . .	Allen Dooley . . . . .	SAC, Cesar Chavez Building, A-103 . . . . .	714-564-6750
Career Education & Workforce Development . . . . .	Bart Hoffman . . . . .	SAC, Russell Hall, R-107 . . . . .	714-564-6800
Counseling . . . . .	Micki Bryant . . . . .	SAC, Administration Building, S-106 . . . . .	714-564-6078
Fine & Performing Arts . . . . .	Sylvia Turner . . . . .	SAC, Cesar Chavez Building, A-109 . . . . .	714-564-5600
Humanities & Social Sciences . . . . .	. . . . .	SAC, Dunlap Hall, D-435-2 . . . . .	714-564-6500
Human Services & Technology . . . . .	Bart Hoffman . . . . .	SAC, Russell Hall, R-107 . . . . .	714-564-6800
Kinesiology, Health and Athletics . . . . .	Avie Bridges . . . . .	SAC, Kinesiology Building, W-102 . . . . .	714-564-6900
Science, Math, and Health Sciences . . . . .	Carol Comeau . . . . .	SAC, Russell Hall, R-103 . . . . .	714-564-6600

### ALTERNATE FORMATS

Upon request, Santa Ana College materials will be available in alternate formats. Please contact DSPS at 714-564-6260.

### CLASS SCHEDULE

**also available online at www.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 SAC & 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.

Telephone assistance in Spanish    ¡Se le puede asistir en español!

## Información en español sobre Santa Ana College 714-564-6100

Lunes a jueves de 8:00 am – 8:00 pm

**Viernes de 8:00 am – 5:00 pm**

Admisiones / Evaluación/Orientación / Inscripciones / Servicios de consejería

Ayuda financiera / Clases generales / Ciudadanía

Programas académicos y vocacionales / Otros servicios . . .

Información en español acerca de clases de educación para adultos en la página 82.



TO CONTACT OR LEARN ABOUT . . .	ADMINISTRATOR/CONTACT	LOCATION	TELEPHONE
Educational Services . . . . .	Enrique Perez . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7460
<b>EMERGENCY</b> . . . . .	SAC District Safety Staff . . . . .	<b>SAC, Security/Safety Building, X-100</b> . . . . .	<b>714-564-6333</b>
Emergency Services ( <i>Earthquake Preparedness</i> ) . . . . .	Al Chin . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7330
English as a Second Language . . . . .	Humanities & Social Sciences Division . . . . .	SAC, Dunlap Hall, D-435 . . . . .	714-564-6500
Environmental Safety/Crime Prevention . . . . .	Al Chin . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana . . . . .	714-480-7330
EOPS/CARE . . . . .	Marsha Gable . . . . .	SAC, Johnson Campus Center, U-101 . . . . .	714-564-6232
Facility Reservations . . . . .	Maria Taylor . . . . .	SAC, Administration Building S-209-1 . . . . .	714-564-6227
Financial Aid . . . . .	Robert Manson . . . . .	SAC, Johnson Campus Center, U-221 . . . . .	714-564-6242
Fire Technology . . . . .	Don Mahany . . . . .	SAC, Cesar Chavez Building, A-113 . . . . .	714-564-6845
Foundation . . . . .	Christina Romero . . . . .	SAC, Administration Building, S-217 . . . . .	714-564-6091
Freshman Experience, Learning Communities II . . . . .	Steve Bautista/Martha Vargas/Todd Huck/Lynn Marecek . . . . .	SAC, Administration Building, S-110 . . . . .	714-564-6165
Graduation . . . . .	Christine Gorlato/Gina Wilson . . . . .	SAC, Administration Building, S-105-1 . . . . .	714-564-6052
Hazardous Materials . . . . .	Al Chin . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana . . . . .	714-480-7330
Health Services . . . . .	Rebecca Barnard . . . . .	SAC, Johnson Campus Center, U-120 . . . . .	714-564-6216
Honors Transfer Program . . . . .	Kathy Patterson . . . . .	SAC, Dunlap Hall, D-428 . . . . .	714-564-6528
Human Resources . . . . .	John Didion . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7484
I-20 Form . . . . .	Admissions/Records Staff . . . . .	SAC, B-12 . . . . .	714-564-6047
Information, General . . . . .	Admissions/Records Staff . . . . .	SAC, S-101 . . . . .	714-564-6000
Institute for Women Entrepreneurs . . . . .	Kari Caldwell Irwin . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706, Room 240 . . . . .	714-480-7455
International Students . . . . .	Kanana Gitonga . . . . .	SAC, U-204C . . . . .	714-564-6047
Learning Center . . . . .	Elyse Chaplin . . . . .	SAC, Johnson Campus Center, U-103 . . . . .	714-564-6260
Learning Disabilities . . . . .	Louise Janus . . . . .	SAC, Johnson Campus Center, U-103 . . . . .	714-564-6260
Learning Skills Lab ( <i>Centennial Education Center</i> ) . . . . .	Mary Stephens . . . . .	CEC, D-101 . . . . .	714-241-5768
Library . . . . .	SAC Library Staff . . . . .	SAC, Nealley Library . . . . .	714-564-6700
Lost & Found . . . . .	SAC District Safety Staff . . . . .	SAC, Security/Safety Building, X-100 . . . . .	714-564-6330
MESA (Math, Engineering, & Science Achievement) . . . . .	Cathie Shaffer . . . . .	SAC, Administration Building, S-107 . . . . .	714-564-6373
Military Evaluation/Veteran's Affairs . . . . .	Becky Miller . . . . .	SAC, Administration Building, U-221 . . . . .	714-564-6242
Nursing . . . . .	Lilia Tanakeyowma . . . . .	SAC, Russell Hall, R-213 . . . . .	714-564-6825
Office of School & Community Partnerships . . . . .	Cherylee Kushida . . . . .	SAC, Administration Building, S-214 . . . . .	714-564-6970
Online Classes/Distance Education . . . . .	Teresa Mercado-Cota . . . . .	SAC, Cesar Chavez Building, A-101 . . . . .	714-564-6725
Outreach . . . . .	James Wooley . . . . .	SAC, Administration Building, S-213 . . . . .	714-564-6141
Parking . . . . .	Rhonda Langston . . . . .	SAC, Security/Safety Building, X-100 . . . . .	714-564-6330
Photo ID . . . . .	Maria Aguilar . . . . .	SAC, Administration Building, Cashier's Office, S-104 . . . . .	714-564-6965
Physical Disabilities . . . . .	Susana Salgado . . . . .	SAC, Russell Hall, R-101 . . . . .	714-564-6295
Psychological Disabilities . . . . .	Phi Loan Le . . . . .	SAC, Johnson Campus Center, U-103 . . . . .	714-564-6260
Psychological Services . . . . .	Judy Iannaccone . . . . .	SAC, Johnson Campus Center, U-120 . . . . .	714-564-6216
Public Affairs (RSCCD) . . . . .	Dianne Freeman . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7500
Public Service Institute, Business Seminars . . . . .	Reina Sanabria . . . . .	DMC, 1300 S. Bristol Street, Santa Ana, CA 92708, DMC-209 . . . . .	714-241-5823
Puente Program . . . . .	Enrique Perez . . . . .	SAC, Administration Building, S-134 . . . . .	714-564-6135
<b>RSCCD District Office</b> . . . . .	<b>SAC Registration Staff</b> . . . . .	<b>RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706</b> . . . . .	<b>714-480-7300</b>
Rancho Santiago Community College District Foundation . . . . .	Enrique Perez . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7460
Registration . . . . .	SAC Registration Staff . . . . .	SAC, Administration Building, S-101 . . . . .	714-564-6005
Research Department . . . . .	Nga Pham . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7468
Residency . . . . .	SAC Admissions/Records Staff . . . . .	SAC, Administration Building, S-101 . . . . .	714-564-6005
Resource Development Department . . . . .	Sarah Santoyo . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-480-7463
Santa Ana Civic Leadership Initiative . . . . .	Stephanie Adams . . . . .	SAC, Johnson Campus Center, U-121A . . . . .	714-564-6363
Scholarships . . . . .	John Vu . . . . .	SAC, Administration Building, S-204 . . . . .	714-564-6478
<b>Security</b> . . . . .	James Wooley . . . . .	SAC, Security/Safety Building, X-100 . . . . .	714-564-6330
Service Learning Center . . . . .	John Vu . . . . .	SAC, Johnson Campus Center, U-204 A/B . . . . .	714-564-6362
Small Business Development Center, Orange County . . . . .	Leila Mozaffari . . . . .	RSCCD, 2323 N. Broadway, Rm. 201, Santa Ana, CA 92706 . . . . .	714-564-5200
Spanish Language Telephone Assistance . . . . .	Monica Porter . . . . .	SAC . . . . .	714-564-6100
Speech Language Pathology Assistant Program . . . . .	Daniel Marquez . . . . .	SAC, Library Building, L-220-3 . . . . .	714-564-6668
Student Activities . . . . .	Loy Nashua . . . . .	SAC, Johnson Campus Center, U-121A . . . . .	714-564-6210
Student Affairs . . . . .	Rhonda Langston . . . . .	SAC, Johnson Campus Center, U-121 . . . . .	714-564-6211
Student Business Office . . . . .	Loy Nashua . . . . .	SAC, Johnson Campus Center, U-218 . . . . .	714-564-6430
(Office of) Student Life . . . . .	Daniel Marquez . . . . .	SAC, Johnson Campus Center, U-121A . . . . .	714-564-6211
Student Government . . . . .	Daniel Marquez . . . . .	SAC, Johnson Campus Center, U-121A . . . . .	714-564-6214
Student Leadership Institute . . . . .	Daniel Marquez . . . . .	SAC, Johnson Campus Center, U-121A . . . . .	714-564-6330
Student Placement . . . . .	Janet Grunbaum . . . . .	SAC, Johnson Campus Center, U-222 . . . . .	714-564-6201
Student Support Services Program (TRIO) . . . . .	Romelia Madrigal . . . . .	SAC, Johnson Campus Center, U-222 . . . . .	714-564-6843
Student Transition Program . . . . .	Roy Shahbazian . . . . .	CEC, 2900 W. Edinger, Santa Ana, CA 92704 . . . . .	714-241-5710
Success Center . . . . .	Marco Ramirez . . . . .	SAC, Library Building, L-206 . . . . .	714-564-5420
Talent Search (TRIO) . . . . .	Steve Bautista . . . . .	SAC, Library Building, L-220-S . . . . .	714-564-6182
Teacher Education Center . . . . .	Distance Education Office Staff . . . . .	SAC, Administration Building, S-110 . . . . .	714-564-6352
Television/TV Class Information . . . . .	Beverly Birnbaum . . . . .	SAC, Cesar Chavez Building, A-101 . . . . .	714-564-6725
Testing Information . . . . .	SAC Admissions/Records Staff . . . . .	SAC, Library Building, L-221 . . . . .	714-564-6148
Transcripts . . . . .	Martha Vargas . . . . .	SAC, Administration Building, S-101 . . . . .	714-564-6461
Transfer Center . . . . .	Pat Conner . . . . .	SAC, Administration Building, S-110 . . . . .	714-564-6165
Tutorial Center . . . . .	Rochelle Zook . . . . .	SAC, Johnson Campus Center, U-202 . . . . .	714-564-6260
U-Link . . . . .	Romelia Madrigal . . . . .	SAC, Administration Building, S-133 . . . . .	714-564-6416
Upward Bound (TRIO) . . . . .	Elyse Chaplin . . . . .	SAC, Library Building, L-222 . . . . .	714-564-6843
Veterans Resource Center . . . . .	Sandy Morris-Pfyl . . . . .	SAC, Johnson Campus Center, U-221 . . . . .	714-564-6050
Women's Programs/Services . . . . .	Maricela Sandoval . . . . .	SAC, Administration Building, S-122 . . . . .	714-564-6175
Workability . . . . .	Enrique Perez . . . . .	SAC, Library Building, L-220 . . . . .	714-564-6255
Youth Entrepreneurship Program . . . . .	Enrique Perez . . . . .	RSCCD District Office, 2323 N. Broadway, Santa Ana, CA 92706 . . . . .	714-564-5533

## VISIT OUR WEBSITES

SANTA ANA COLLEGE – [www.sac.edu](http://www.sac.edu) SANTIAGO CANYON COLLEGE – [www.scollege.edu](http://www.scollege.edu) RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT – [www.rscdd.edu](http://www.rscdd.edu)

**IF YOU CAN'T FIND WHAT YOU NEED IN THE LIST ABOVE, PLEASE CALL 714-564-6000 (SAC) OR 714-628-4900 (SCC).**

# ADMISSIONS / REGISTRATION

## STEP 1: APPLICATION

### ADMISSIONS

- **Continuing Students**  
Continuing students who actively attended Spring 2012 may complete registration by computer.
- **New Students and Former (Returning) Students**  
Students enrolling for the first time or who are returning after **not** attending Spring 2012 must complete an Admission application **by applying online at [www.sac.edu](http://www.sac.edu)**.
- **Registration appointments for new students are processed on a first-come, first-serve basis at the time of application.**

### WHO MAY ATTEND

- **High school graduates** or persons at least 18 years of age who may profit from instruction.
- High school students in **Career Advanced Placement Program (CAP)**  
The CAP 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:** CAP students must bring the CAP form signed by the high school principal, parent/guardian and the appropriate Santa Ana College Division Dean. Due to a new state law, CAP 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

### CONTINUING STUDENT

You are a continuing student if you were enrolled in college credit classes at SAC during the Spring 2012 semester.

#### EARLY REGISTRATION FOR CONTINUING STUDENTS:

- **Online registration (see page 6) is available for continuing students. Priority is based on units completed at the end of Spring/Summer 2012 at SAC & SCC only.**
- Use any computer to enroll.
- **Continuing students** who do not meet the early registration deadline may register online until the Saturday before the semester begins.

## REGISTRATION (continued)

### TRANSFER STUDENT

#### INFORMATION FOR NEW STUDENTS FROM OTHER COLLEGES

If you have attended another college, especially another community college, you must:

- Bring a copy of your official transcript to Counseling and meet with a counselor. If you completed a prerequisite outside of SAC or SCC, you will be restricted from online registration for some classes. You must obtain a CLASS WAIVER from SAC Counseling before you register.
- Bring any official copies of placement test results in English, reading, and/or math to the Counseling/Testing Center to determine whether it is advisable to complete additional placement testing at Santa Ana College. Placement test information from other colleges must include: your name, name of the test(s), the raw score(s), and test date(s). Test scores for English are valid for two years. Test scores for Math are valid for one year.
- Make an appointment to see a counselor by calling the Santa Ana College Counseling Center at 714-564-6100.

### NEW STUDENT

You are a new student if you have never enrolled in college credit classes at SAC OR SCC. File an application online, [www.sac.edu](http://www.sac.edu).

#### MATRICULATION INFORMATION FOR NEW STUDENTS

- The matriculation program consists of a program of assessment, orientation, and academic advisement for students who plan to do any of the following:
  - accumulate 15 units or more,
  - enroll in an English or Math course,
  - work toward an Associate degree, occupational certificate, transfer program to a four-year university, or new career.
- Students with bachelor's degrees or higher are exempt from matriculation.
- Students who are unsure whether they should complete the matriculation program should contact the Counseling Department at Santa Ana College, 714-564-6100 or go online to [www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling).

#### NEW STUDENT REGISTRATION

- New students receive appointments to register on a first-come, first-serve basis. All new students to SAC are encouraged to complete matriculation services (testing, orientation, and advisement).
- To complete placement testing (assessment), you must first complete an Admission application online at [www.sac.edu](http://www.sac.edu).
- After you complete an admissions application, you will receive a Datatel ID via email in approximately 3 days. Once you receive a Datatel ID you can schedule a testing appointment online at [www.sac.edu/students/admissions/placement\\_testing/](http://www.sac.edu/students/admissions/placement_testing/).
- Upon completing testing, students will be given an appointment to attend an orientation and advisement session with a counselor. Students will receive their test results and their appointment to register after completing orientation and advisement. New and/or returning students can view their registration date online. Please refer to page 8 for further testing information.

# ... REGISTRATION ...

## REGISTRATION (continued)

### REGISTRATION BY APPOINTMENT

FORMER STUDENTS AND OTHER NEW STUDENTS

- You may apply and enroll online – [www.sac.edu](http://www.sac.edu).
- Registration appointments are issued on a first-come, first-serve basis. Students can view their registration date online via Web Advisor.

### LATE REGISTRATION and ADD PERIOD (Aug. 27 to Sept. 7)

- **Instructor signature or add codes are required on all adds after the semester begins.**
- ADD forms to petition the instructor are available in the Admissions/Records Office. After completion, submit forms to the Admissions Office in S-101.
- Use the computer to drop classes through the established drop date (75% of the way through a class). To avoid fees, drop by September 9, 2012 for full-term classes, and 10% of the class for other non full-term classes.

### To Avoid Fees, drop online July 16 – September 9

#### 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 will be dropped.** If your name remains on the Wait List, you must attend the first class meeting and obtain the instructor's add code to add the course (Log in to Online Records often to check your status on the waitlist).

**Instructor signature is required for all petitioned adds.**

#### PAY FEES IMMEDIATELY

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

**Pay Online** with a credit card at [www.sac.edu](http://www.sac.edu).

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

**or mail check or money order to:**

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

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

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

Enrollment fee waivers are available. Forms can be obtained at the Financial Aid Office

#### LOCATIONS & TIMES FOR REGISTRATION BEGINNING AUGUST 27, 2012.

Call 714-564-6005 if you have questions.

##### Santa Ana College

Admissions Office,  
Room S-101

Monday–Thursday, 8:00am–6:45pm

Friday, 8:00am–4:30pm

#### STUDENT RESPONSIBILITY TO DROP CLASSES AFTER SEMESTER BEGINS

Students who have enrolled and paid for classes and decide not to attend must drop classes before Sunday, September 9, to avoid fee charges. Classes dropped after that date will appear on the student record with a "W" grade. **You will not be automatically dropped from your classes after the semester begins. You must drop classes online.** 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 9 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 9!**

#### ONLINE REGISTRATION & RECORDS

Check the college website at [www.sac.edu](http://www.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, major, or educational goal**
- **Add or drop classes**
- **Pay fees online immediately**

**More Registration Information . . .**

# ONLINE REGISTRATION



## FALL 2012 REGISTRATION

is available for continuing students enrolled at SAC during Spring 2012. 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 4 for other helpful and important registration information.

**Online Counseling Now Available!**  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

## WebAdvisor **REGISTRATION STEP-BY-STEP**

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



# FEES AND REFUNDS

## STUDENT FEES

### 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.

### NON-RESIDENT TUITION

Non-resident Tuition: \$203.00 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.

### HEALTH FEE

A health fee of \$18.00 per semester (\$14.00 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.

### STUDENT SERVICE FEE

A Student Service Fee of \$7.50 is payable at registration for classes at SAC. The fee includes: 1) \$2.50 for photo ID used for library, student and instructional services; and 2) \$5.00 for college activities. Photo ID and semester validation available at registration or the Cashier's Office, room S-104 at Santa Ana College. Payment of this fee is optional. See page 73 for a list of fee benefits.

### PARKING FEE

Parking Permits are \$20.00 for fee waiver students and \$30.00 for regular students. All Mandatory fees must be paid in order to purchase parking. A permit is required to park on campus at SAC and SCC only. Only one permit is necessary for students who attend both colleges. Motorcycles are exempt in designated parking areas.

### MATERIALS FEE

A Materials Fee may be required for a course. Check class listings in this publication for specific fees.

## ESTIMATED COST

ENROLLMENT FEE			
\$46	x	_____	= _____
		units	
NON-RESIDENT TUITION			
\$203	x	_____	= _____
		units	
HEALTH FEE (\$18 for SAC & SCC campus classes)			= _____
STUDENT SERVICE FEE (OPTIONAL) (\$7.50 for SAC or SCC campus classes)			= _____
PARKING PERMIT (OPTIONAL \$30 fee)			= _____
MATERIALS FEES			= _____
TOTAL			= _____

## REFUNDS

Refunds (excluding non-resident tuition) will be issued in the following manner: credit card payments will be returned as a credit to the initiating card and check refunds for cash and check payments. Refunds on check payments will be processed after a 14 day clearing period.

### Refund of Enrollment, Health, Parking, and Student Service Fees

Students who withdraw from full semester classes by Sunday, September 9, or by 10% of a course less than a semester in length, may request a 100% refund.

Refunds for eligible students should be requested through the Cashier's Office by phone 714-564-6965 or in person at S-104.

### REFUND OF Non-Resident Tuition

Students who withdraw from full-semester classes by Sunday, September 9, may request a 100% refund. Students withdrawing after that date are not eligible for a refund.

Refunds for Non-Resident and International Students may be requested in person by visiting the Cashier's Office at Santa Ana College.

Refunds will be issued in the following manner: credit refund to card for all credit card payments, cash and check payments will be refunded by check after a five to six week waiting period.

## 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 S-104, or the Cashier's Office at SCC.

**FINANCIAL ASSISTANCE INFORMATION & FEE WAIVER FORM ARE LOCATED BETWEEN THE SAC SECTION AND THE SCC SECTIONS OF THIS BOOK**

## FEE PAYMENT OPTIONS

Payment by check, Visa, Mastercard, or Discover Card are accepted for payment by mail, by drop box, or in person. Questions? Call 714-564-6965.



### 1. ONLINE

- Payment by credit card via the college website.
- **Santa Ana College:** [www.sac.edu](http://www.sac.edu)



### 2. BY MAIL

Send to: Santa Ana College Cashier's Office, 1530 W. 17th Street, Santa Ana, CA 92706.



### 3. IN PERSON

**Santa Ana College:** Fee payments are made in the Cashier's Office in room S-104.

### Fees are due immediately upon registration.

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

# TESTS – PLACEMENT

## PLACEMENT TESTING

### WHAT is testing?

Placement tests are important for determining the appropriate level of courses you should take in English, Reading, and Math.

### WHO should complete testing?

Placement tests are required in these academic areas for any student who: plans to complete an Associate degree, certificate, or transfer to a four-year university; is formulating career interests, plans or goals, is preparing for a new career or is undecided about educational goals.

We also request that all students who would like help from a counselor in selecting classes complete placement testing. This will enable us to counsel you as to the appropriate classes to take to enable you to reach your educational goals.

### TYPES of placement tests that you might take

For English there are two tests. The **College Test of English Placement (CTEP)** is for students who have studied English and/or ESL (English as a Second Language) in school for at least seven years or who use English frequently on a daily basis. The other test, the **Test of English Language Development (TELD)** is for students who have not studied English and/or ESL in school for at least seven years or who do not use English frequently on a daily basis. Students who take the **TELD** will be referred to ESL/EMLS classes. It is very important that you select the correct test to take, as students who take the wrong test may be placed in a class that is not right for them. By the time you and the teacher realize that you are in the wrong class, it may be too late to register for the appropriate class. If you are not certain which test would be best for you to take, please consult a SAC counselor.

The **College Test of English Placement, Reading Comprehension** is used to determine reading level.

The **Math Diagnostic Testing Project (MDTP)** has four levels. Choose the level you feel you are best prepared for. Sample questions for each test are available at the Testing Center and in the Math Study Center.

Sample tests may be viewed on the Testing Center web site [www.sac.edu/StudentServices/TestingCenter](http://www.sac.edu/StudentServices/TestingCenter).

### WHAT if I already tested?

Your test scores in **English** are valid for **two years**. If you tested more than two years ago and have not taken an English or ESL class at SAC or SCC you must test again. If you wish to retest you will be required to wait one year.

**Reading** scores will remain valid indefinitely. If you wish a retest you will be required to wait one year.

Your tests for **Math** are good for **one year**. If you tested more than one year ago and you have not taken a math class at SAC or SCC you must retest. You may take a different level math test at any time. You may not take the same test more than once in any semester.

Continuing students who need to retest should schedule an appointment during priority testing. You may not retest if you have taken the CTEP (English and Reading) test within the last year, the TELD (ESL) within the last two years, or the Math test within the last six months for the same math level.

### WHAT if I tested at another college?

If you tested within the last two years in English, last year in math, or anytime in reading, bring copies of placement test results in English, reading, and/or math, as well as course recommendations, to the Testing Center at Santa Ana College, as soon as possible to determine whether it is necessary to complete testing at SAC or whether your eligibility can be verified and you can be cleared for registration.

Placement test information from other colleges must include: your name, name of the test(s), the raw score(s), and test date(s) as well as course recommendations. ESL test scores from other institutions are not accepted. In addition, ESL students who have completed ESL credit courses at other colleges, and are still in need of additional ESL or EMLS instruction, must also take the placement test at SAC. This is done so that we can determine which of our courses best meet your needs.

If your tests scores are over two years old in English, or one year old in math or if you are applying for a special program which requires testing at SAC, you will need to retest.

### HOW do I complete testing?

1. New students must first apply to the college.
2. After you complete an admissions application online you will receive a Datatel ID number via e-mail in approximately 3 days.
3. Paper and pencil CTEP English, reading and Math tests as well as TELD tests are offered on a rotating basis every Monday and Tuesday at either 9 am or 6 pm throughout the semester. Continuing students who have not tested or who need to retest should complete testing during the regular semester. Appointments can be made on-line at [www.sac.edu/StudentServices/TestingCenter](http://www.sac.edu/StudentServices/TestingCenter).
4. Computer-based CTEP English, Reading and Math are offered on a walk-in basis throughout the semester (except last two weeks), however, you should check to see when the walk-in time are offered.
5. A more intensive schedule testing for the Fall semester which begins on July 23 is shown on page 9 of this schedule. You may schedule an appointment for one of these times online at [www.sac.edu/StudentServices/TestingCenter](http://www.sac.edu/StudentServices/TestingCenter).
6. After you complete testing you will be directed to attend an orientation where you will receive your test results and other information about the college. You may register for most classes on your assigned registration date, however, you can only register for those that require a placement test prerequisite after you complete testing, orientation and advisement

### WHY should I do this?

1. By completing testing, orientation, and advisement we will be able to assist you in planning a course of study based on your academic abilities and interest.
2. The California Community Colleges have adopted this matriculation effort as a statewide requirement.
3. If there are other circumstances that should be considered in recommending your enrollment into certain courses, please contact the Counseling Center at 714-564-6100 or the Disabled Student Services Program, 714-564-6295.

### WHAT if I still have questions?

If you still have questions about which test to take or about the placement testing process, please contact the Testing Center at 714-564-6147 or come to the Testing Center located on the second floor of the Library Building (L-221).

#### 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 matriculation program with the matriculation coordinator. Call 714-564-6078.

## MORE TEST INFORMATION AND TESTING SCHEDULES . . .

# TESTS – PLACEMENT & FINAL EXAMINATIONS

## SANTA ANA COLLEGE FALL 2012

### PLACEMENT TESTING SCHEDULE

- **ELIGIBILITY FOR TESTING:** 1) Must have submitted a completed application to the college and received a Datatel ID number, 2) Have not taken the CTEP (English and Reading) test within one year, 3) The TELD (ESL) test within two years or 4) The Math test within a semester for same math level.
- Please arrive 30 minutes early.
- Orientation and advisement including test results follow testing. An appointment will be scheduled for you when you complete testing.
- Picture I.D. is required.
- All students must have a testing appointment. To schedule an appointment for the following dates listed below you may go to [www.sac.edu/StudentServices/TestingCenter](http://www.sac.edu/StudentServices/TestingCenter).
- All tests will be given in the Testing Center, L-221.

DATE	CTEP (Eng/Read) – Room L-221	MATH – Room L-221	TELD (ESL) – Room L-221	MATH – Room L-221
Monday, July 23	9:00 am	10:30 am		
Tuesday, July 24	9:00 am	10:30 am		
Wednesday, July 25			9:00 am	10:30 am
Thursday, July 26	9:00 am	10:30 am		
Monday, July 30	9:00 am & 6:00 pm	10:30 am & 7:30 pm		
Tuesday, July 31	9:00 am & 6:00 pm	10:30 am & 7:30 pm		
Wednesday, August 1			9:00 am & 6:00 pm	10:30 am & 7:30 pm
Thursday, August 2	9:00 am	10:30 am		
Monday, August 6	9:00 am & 6:00 pm	10:30 am & 7:30 pm		
Tuesday, August 7	9:00 am & 6:00 pm	10:30 am & 7:30 pm		
Wednesday, August 8			9:00 am & 6:00 pm	10:30 am & 7:30 pm
Thursday, August 9	9:00 am	10:30 am		
Monday, August 13	9:00 am & 6:00 pm	10:30 am & 7:30 pm		
Tuesday, August 14	9:00 am & 6:00 pm	10:30 am & 7:30 pm		
Wednesday, August 15			9:00 am & 6:00 pm	10:30 am & 7:30 pm
Thursday, August 16	9:00 am	10:30 am		
Monday, August 20	9:00 am & 6:00 pm	10:30 am & 7:30 pm		
Tuesday, August 21	9:00 am & 6:00 pm	10:30 am & 7:30 pm		
Wednesday, August 22			9:00 am	10:30 am

During the regular semester paper and pencil CTEP and TELD tests will be rotated every Monday and Tuesday at either 9:00 am or 6:00 pm.  
A computer-based CTEP and Math test is available on a walk-in basis.

### COMPUTER-BASED TESTING

If you plan to enroll in English, Reading, or Math next semester you should test NOW! Computer-based testing is offered whenever paper/pencil tests are not scheduled. You do not need an appointment, however, you should call to check when walk-in times are offered.

### CHEMISTRY 219 ADMISSIONS TEST

The Chemistry 219 Admissions Test takes 45 minutes. Students do not need an appointment. **Picture identification is required.** All tests will be held at the **Testing Center**, Room L-221 on the second floor of the library building on the Santa Ana Campus. The test will be given on the first Thursday of each month when school is in session, and on August 9 at 1:00 pm and 5:00 pm and August 23, 2012 at 1:00 pm and 5:00 pm.

### SANTA ANA COLLEGE FALL 2012 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 16. 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 20, 2012.**

# POLICIES, NOTICES, & GRADES

## DISABLED STUDENTS POLICY

The District will make reasonable accommodations for individuals with disabilities. For special assistance with programs and services, contact the Associate Dean of Disabled Students Programs and Services at 714-564-6264. See page 75 of this schedule for more information.

## NONDISCRIMINATION POLICY

The Rancho Santiago Community College District complies with all Federal and state rules and regulations and does not discriminate on the basis of ethnic group identification, national origin, religion, age, sex, race, color, ancestry, sexual orientation, or physical or mental disability, or on the basis of these perceived characteristics or based on association with a person or group with one or more of these actual or perceived characteristics. This holds true for all students who are interested in participating in educational programs and/or extracurricular school activities. Harassment of any employee/student with regard ethnic group identification, national origin, religion, age, sex, race, color, ancestry, sexual orientation, or physical or mental disability, or on the basis of these perceived characteristics or based on association with a person or group with one or more of these actual or perceived characteristics is strictly prohibited. Inquiries regarding compliance and/or grievance procedures may be directed to District's Title IX Officer and/or Section 504/ADA Coordinator. RSCCD Title IX Officer and Section 504/ADA Coordinator: John Didion, 2323 N. Broadway, Santa Ana, CA 92706, 714-480-7489.

## POLÍTICA NO DISCRIMINATORIA

El Distrito Colegial Comunitario Rancho Santiago cumple con los reglamentos y leyes Federales y estatales y no discrimina en base a ningún grupo étnico, descendencia nacional, religión, edad, sexo, raza, color, antepasados, orientación sexual, discapacidad física o mental o en base a estas características o en base a una persona o grupo que tenga o se crea tenga una de éstas características. Esto también se aplica a todos los estudiantes que están interesados en participar en programas educativos y/o en actividades escolares que sean extracurriculares. El hostigamiento en contra de cualquier empleado/estudiante con respecto a su grupo étnico, descendencia nacional, religión, edad, sexo, raza, color, antepasados, orientación sexual, discapacidad física o mental o en base a estas características o en base a una persona o grupo o por estar asociado con una persona o grupo que tenga o se crea tenga una de éstas características, está estrictamente prohibido. Las preguntas sobre el cumplimiento de estas leyes o del proceso de quejas pueden ser dirigidas al Oficial del Distrito a cargo del cumplimiento del Título IX y al Coordinador de la Sección 504/ADA a: RSCCD Title IX Officer and Section 504/ADA Coordinator: John Didion, 2323 N. Broadway, Santa Ana, CA 92706, 714-480-7489.

### CHÍNH SÁCH KHÔNG KỶ THỊ

Khu-Học-Chánh Rancho Santiago Community College District chấp hành tất cả luật lệ và qui định của chính quyền Tiểu Bang và Liên Bang và không kỳ thị bởi lý do chủng tộc, nguồn gốc, tôn giáo, tuổi tác, phái tính, dân tộc, màu da, gia tộc, khuynh hướng tính dục, hoặc tình trạng khiếm tật về thể xác hay tâm thần, hoặc vì những lý do nêu bên trên bởi vì căn cứ vào các cá tính này trên thực chất hay qua nhận thức. Chính sách này áp dụng cho tất cả các sinh viên mong muốn tham dự vào các chương trình giáo dục hoặc sinh hoạt của nhà trường. Tuyệt đối cấm những hành động sách nhiễu nhân viên / sinh viên bởi vì lý do chủng tộc, nguồn gốc, tôn giáo, tuổi tác, phái tính, dân tộc, màu da, gia tộc, khuynh hướng tính dục, hoặc tình trạng khiếm tật về thể xác hay tâm thần, hoặc vì những lý do nêu bên trên bởi vì căn cứ vào các cá tính này trên thực chất hay qua nhận thức. Những câu hỏi về việc chấp hành và/hoặc về thủ tục khiếu nại có thể liên lạc về Viên Chức District's Title IX Officer của Khu-Học-Chánh và/hoặc Phối Trí Viên Section 504/ADA Coordinator:

John Didion, 2323 N. Broadway, Santa Ana, CA 92706, 714-480-7489.

## OFF-CAMPUS FIELD TRIPS POLICY

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

## REGISTERED SEX OFFENDER INFORMATION

Information concerning registered sex offenders can be obtained from: the Santa Ana Police Department, 3rd Floor Lobby, 60 Civic Center Plaza, Santa Ana, on Mondays through Fridays, from 9am to 12pm and from 1-4pm; and from the Orange Police Department, Youth Services Bureau (Rene Nicholson), 1107 North Batavia Street, Orange by calling 714-744-7311 for an appointment.

Sex offenders are required to register with the police in the jurisdiction in which they reside and at institutions of higher learning if they are students there or if they work there as employees, contractors, or volunteers. Sex offenders who may be required to register should do so at the Santa Ana Police Department if attending Santa Ana College or at the Orange Police Department if attending Santiago Canyon College.

## SEXUAL HARASSMENT POLICY

It is the policy of the Rancho Santiago Community College District to provide an educational, employment and business environment free of unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct or communications constituting sexual harassment, as defined and otherwise prohibited by State and Federal law. The Rancho Santiago Community College District forbids any form of sexual harassment. Prompt disciplinary action will be taken against any student or employee engaging in sexual harassment. If you feel that you have been the victim of sexual harassment please contact the Human Resources Dept. at 714-480-7489, or the Associate Dean of Student Development at Santa Ana College at 714-564-6211.

## STUDENT CODE OF CONDUCT

Students enrolled in Santa Ana College instructional programs assume an obligation to obey state law (California Education Code, California Administrative Code, Title V), district rules (policies of the Board of Trustees), and all civil and criminal codes governing the conduct of students. Please see the current SAC Catalog for specific guidelines for student conduct.

## SANTA ANA COLLEGE IS A DRUG AND ALCOHOL FREE ENVIRONMENT

Assistance for substance abuse may be obtained from one of the following sources:

- SAC and SCC Student Health Centers, for confidential counseling and referral to local agencies
- Alcoholics anonymous
- National Drug Hotline 1-800-662-HELP
- AI-Anon / Alateen Family Group Headquarters 1-800-356-9996
- Narc-anon Family Group Headquarters 310-547-5800

Violators may be subject to disciplinary action which could include suspension, expulsion or arrest.

## TRANSPORTATION POLICY

Some classes may be conducted off campus. Unless you are specifically advised otherwise, you are responsible for arranging your own transportation to and from the class site. Although the District may assist in coordinating the transportation and/or recommend travel times, be advised that the District assumes no liability or responsibility for the transportation, and any person driving a personal vehicle is **NOT** an agent of the District.

## COLLEGE-CREDIT PROGRAMS

The Rancho Santiago Community College District offers major college-credit programs in Santa Ana and Orange. Classes offered at Santa Ana College are identified as "SAC." Santiago Canyon College classes are identified with "SCC." Please refer to the list of RSCCD facilities for specific class locations at other sites.

## COURSE ARRANGED HOURS

Students are obligated to carry out hours by arrangement in designated facilities, which are normally available from 8:00 am to 10:00 pm, Monday through Thursday, and from 8:00 am to NOON on Fridays.

## COURSE OPEN ENROLLMENT

Unless specifically exempted by statute, every course wherever offered and maintained by the District is fully open to enrollment and participation by any person who has been admitted to the college and meets the course prerequisites established in accordance with Title V.

## COURSE REPETITION

WHEN MAY COURSES BE REPEATED?

### SUBSTANDARD WORK

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



## NON REPEATABLE COURSES

A student who earns a D, F, or NP (No Pass) grade may repeat the course twice to improve the grade of the substandard work. The last grade earned will count in the GPA calculation.

## REPEATABLE COURSES

When a class is identified as repeatable in the Class Schedule, that course may not be repeated more than three times regardless of the grades received. No portion of the class may be repeated to improve a student's grade point average.

## VARIABLE UNIT COURSES

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

## OTHER REPETITIONS – A & G PETITION PROCESS

Any repetition of a class beyond the specified limits previously specified must be petitioned in the Admissions Office. Criteria that can be considered is a significant lapse of time (usually 3 years or more) since the student previously completed the course, or in the event of documental extenuating circumstances (accident, illness, injury, or other circumstance beyond the control of the student).

## WITHDRAWAL POLICY

While an instructor may drop a student, it is the student's responsibility to officially withdraw from a class in which the student stops attending.

For a semester length course, students must drop by Sunday, September 9, to not receive a "W" grade and not be responsible for registration fees. **Any student who is officially enrolled in a semester length class beyond Sunday, September 9, 2012 is financially responsible for all registration fees associated with that enrollment, even if the student does not attend the class.** Time periods for short-term classes are different. Please check the section information via WebAdvisor for deadlines.

Students may drop and receive a "W" grade between September 10 and November 18, 2012. Student enrolled in classes that are less than semester length, must withdraw before the 75% point of the class. Neither the student or instructor may initiate a withdrawal after the deadline, and students officially enrolled in a class beyond the drop deadline must receive a grade other than "W."

## FAMILY RIGHTS AND PRIVACY ACT

As required under the provisions of the Family Rights and Privacy Act of 1974, Santa Ana College will make public without student consent only certain directory information. This information consists of the following:

- student's name, city of residence, major field of study;
- participation in officially recognized activities and sports;
- weight, height, and age if a member of an athletic team;
- dates of attendance, degree and awards received;
- the most recent previous educational institution or agency attended by the student.

A student may request the Admissions and Records Office to withhold this information. Such request can be in writing and submitted each semester, or the student may do this privacy block in person. Bring a photo ID!

## PASS/NO PASS

Pass/No Pass petitions for full semester classes must be received in the Admissions Office by September 28, 2012. **Pass/No Pass petitions for classes less than a semester in length must be submitted before 30% of the class expires. Pass/No Pass courses may NOT be taken in the student's major field and a maximum of 12 units of pass/no pass are allowed toward a degree program.** Pass/no pass does not include credit by examination. Deadlines for P/NP forms are final! **Pass/No Pass status cannot be changed back to a letter grade.** A&G petitions will not be approved.

## TRANSCRIPTS

Official Transcripts of previous high school and college work should be filed with the Admissions Office by students pursuing a degree.

## TEST SCORES

If enrolling in English, Reading, and/or Math, bring official copies of placement test results from other colleges to the Testing Center (L-225) at Santa Ana College. They will determine if it is advisable to complete additional placement testing at SAC. Placement test information from other colleges must include: your name, name of the test(s), the raw score(s), and test date(s). Test scores in English or ESL are valid for two years. **If you tested more than two years ago for English/ESL, you may need to retest.** ESL test scores from other institutions are not accepted. Math test scores are valid for one year only.

## GRADES DUE AND AVAILABLE

Final course grades are available:

- online, by visiting the websites at [www.sac.edu](http://www.sac.edu) (SAC)

Instructor grade delivery and student grade availability dates are as follows:

- FALL semester grades are due in the Admissions office on Thursday, December 20, 2012.
- FALL semester grades will be available after Thursday, December 20, 2012.

Once the instructor submits grades to admissions, students can view grades the next day using the online records system.

## CLASS SCHEDULE SUBJECT TO CHANGE

The Rancho Santiago Community College District has made every reasonable effort to determine that everything stated in this class schedule is accurate. Courses and programs offered, together with other matters contained herein, are subject to change without notice by the administration of the Rancho Santiago Community College District for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the district.

## CLASS DISCONTINUANCE POLICY

Any class in which there is not a minimum of 20 students enrolled by the beginning of instruction may be discontinued. Any class which does not maintain satisfactory attendance may be discontinued.

### DISTRICT SAFETY AND SECURITY

The District Safety Department provides 24 hour services to both Santa Ana College and Santiago Canyon College, and their sites and centers. At SAC the office is at the X building and the telephone number is 714-564-6330. At SCC, the district safety and security office is at the U building and the phone number is 714-628-4730. Persons wanting to call the office may also do so at SAC, SCC and at the Centennial Education Center may use the yellow call-boxes on those campuses. After hours, from 11pm to 7am, Mon-Fri, the district-wide number for district safety and security services for all campuses is 714-564-6333.

RSCCD has a reputation for maintaining safe campuses, where staff, students and faculty can work and study without fear for their personal safety or property. This is, in part, a result of everyone working together to create an atmosphere that is safe and conducive to learning. All crimes or serious incidents that occur on campus should be reported to the district safety and security department. Crime report logs for the district are maintained and available for review at the district safety office at Santa Ana College.

### RSCCD TOTAL CRIME STATISTICS ON CAMPUS

for the complete Annual Crime/Security Report go to  
<http://www.rsccd.edu/safety>

Includes both Santa Ana College and Santiago Canyon College All sites and centers.

Crime	2008	2009	2010
Murder	0	0	0
Manslaughter	0	0	0
Forcible Sex Offense	2	0	0
Non-Forcible Sex Offense	0	0	0
Robbery	3	2	2
Aggravated Assault	1	0	0
Burglary	9	8	2
Motor Vehicle Theft	9	8	3
Arson	4	1	0
Hate Crimes	0	0	0
Weapons Possession	1	0	1
Drug Abuse Violation	3	2	5
Liquor Law Violation	2	6	6
Bomb Threat	0	1	0
Grand Theft (over \$400)	20	30	12
Simple Battery	2	3	4
Larceny from Vehicle	23	21	34
Petty Theft	70	52	38
Vandalism	26	51	22

**WWW.SAC.EDU**



**RECORDS, TRANSACTIONS,  
AND INFORMATION AVAILABLE  
ONLINE at **WWW.SAC.EDU****

- Open classes (course availability) “Real Time”
- Grades
- Address and email address update—*keep address current*
- Detailed Catalog information—updated monthly (www.sac.edu)
- Class Schedule information
- Unofficial transcripts
- Request official transcripts online—must pay with a credit card.  
(Free transcripts not available)
- Change your pin number—protect your privacy!
- Register online: add and drop classes
- Pay fees online with a credit card

**SANTA ANA COLLEGE  
RATES OF STUDENT PROGRESS**

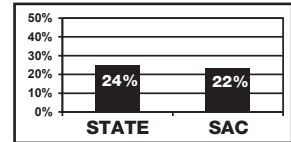
**• STUDENT RIGHT-TO-KNOW ACT**

The rates below are placed here in accordance with the federally mandated Student Right-To-Know Act.

Of the degree, certificate or transfer seeking first-time freshman students who entered Santa Ana College in Fall 2007, the “completion rate” represents those students who earned an Associates Degree, certificate of completion, or 56 UC/CSU transferable credits within three years.

**2007 COHORT COMPLETION RATE**

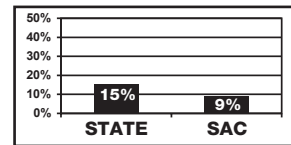
<b>STATE</b>	<b>24%</b>
<b>SAC</b>	<b>22%</b>



The “transfer rate” represents non-completer students who transferred to any other two- or four-year institution within three years.

**2007 COHORT TRANSFER RATE**

<b>STATE</b>	<b>15%</b>
<b>SAC</b>	<b>9%</b>



These rates do not represent the success rates of the entire student population at SAC nor do they account for student outcomes occurring after this three-year tracking period.

**FIRST CLASS MEETING**

Make sure you attend the first class meeting!

Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.



**Buy your Textbooks, SAC Gear  
and Supplies online at:  
[www.donbookstore.com](http://www.donbookstore.com)**

**Fall 2012 books sold online beginning August 6.**

Pay with your Visa or MasterCard. Have books delivered FedEx, or pick them up in our express Web line at the Don Bookstore.

**psi BUSINESS SEMINARS FOR COLLEGE CREDIT**

**General Management • Communication • Computer Skills  
Office Management • Self Improvement • Small Business/Entrepreneur**

INCREASE YOUR VALUE to your present employer or learn skills that will make you more valuable in the future. Enroll now in these 8- or 16-hour seminars to IMPROVE YOUR JOB SATISFACTION. Join the 35,000 participants who have utilized this program to KEEP COMPETITIVE in today’s business world. TAUGHT BY TRAINED PROFESSIONALS who keep up-to-date on the latest in business and industry. To obtain a Business Seminar Class Schedule contact RSCCD’s Public Service Institute **714-241-5823**, or visit <http://sacpsi.org>.

# SCHEDULE OF CLASSES

## HOW TO READ THE COLLEGE CREDIT CLASS SCHEDULE

Check the course title and number carefully and be sure to note where the class meets. Many are at different campuses which may affect your time schedule and selection of classes. A key to the abbreviations for site locations is on this page.

**Course Title and Number** → **PHOTOGRAPHY 191, INTERMEDIATE DIGITAL PHOTOGRAPHY** ← **3 UNITS** ← **Units of Credit**








**Supplemental info/notices** → *An intermediate course in the techniques and skills of electronic and digital/computer technologies in photography. Includes advanced scanning, printing, and digital camera techniques. Exploration and experimentation of digital imaging. An adjustable digital camera is required. May be repeated.* ← **Course Information** (see page 77 for information about prerequisites)

**Section Number** → **49538** ← **Material Fee(s): \$15**

**Time** → 3:00p-3:55p / 4:00p-5:35p ← **Day(s)** → M W / M W ← **Instructor** → Miller R / Miller R ← **Site Location** → SAC A-219 / SAC A-219 ← **Room** → Full Semester ← **Course Begin and End dates** for classes that are not standard full semester

(see this page for a complete list of sites)

An ICON next to a listed class indicates a special offering:

-  HONORS COURSES – Look for the Honors course torch symbol in the schedule or check the SAC listing on page 16.
-  ONLINE CLASSES – Look for the Online class symbol in the schedule or check the complete list on pages 17–20
-  HYBRID CLASSES – Look for the Hybrid class symbol in the schedule or check the complete list on pages 17–20
-  TV CLASSES – Look for the TV class symbol in the schedule or check the complete list on page 21.
-  OFF CAMPUS FIELD TRIPS – Look for the Field Trip symbol for classes that include field trips and read the policy on page 10.
-  FUTURE TEACHERS – Content of interest to future teachers
-  WEEKEND CLASSES – Classes offered Friday evenings, Saturday, and Sunday or check the complete list on page 14.

## LOCATIONS

### Index of class locations at Instructional Centers in the Santa Ana College service area

<b>CARE</b>	<b>Carehouse Convalescent Hospital</b> 1800 Old Tustin Avenue, Santa Ana	<b>JPT-BFA</b>	<b>Joint Powers Training Basic Fire Academy</b> 18301 Gothard, Huntington Beach	<b>OCTA</b>	<b>Orange County Transportation Authority</b> 55 S. Main St., Orange
<b>CDC</b>	<b>Santa Ana College Child Development Center</b> 1530 W. 17th Street, Santa Ana	<b>OCDE</b>	<b>Orange County Department of Education</b> 5700 Kalmas, Costa Mesa	<b>RIV-GOLF</b>	<b>Riverview Golf Course</b> 1800 W. 22nd, Santa Ana
<b>CEC</b>	<b>Centennial Education Center</b> 2900 W. Edinger, Santa Ana, 714-241-5700	<b>OCPD</b>	<b>Orange County Probation Dept.</b> 1001 South Grand Ave., Santa Ana	<b>SAC</b>	<b>Santa Ana College</b> 1530 W. 17th Street, Santa Ana, 714-564-6000
<b>CJTC</b>	<b>Orange County Sheriff's Regional Training Academy</b> 15991 Armstrong Avenue, Tustin	<b>OCLL</b>	<b>Orange County Law Library</b> 1170 W. Civic Center Drive Santa Ana	<b>SCC</b>	<b>Santiago Canyon College</b> 8045 E. Chapman Avenue, Orange, 714-628-4900
<b>DMC</b>	<b>Digital Media Center</b> 1300 S. Bristol, Santa Ana	<b>OCST</b>	<b>Orange County Sheriff's Department Training Center</b> 1900 W. Katella Ave., Orange	<b>VHS</b>	<b>Valley High School</b> 1801 S. Greenville, Santa Ana
<b>FVRH</b>	<b>Fountain Valley Regional Hospital</b> 17100 Euclid, Fountain Valley			<b>WMC</b>	<b>Western Medical Center</b> 1001 N. Tustin, Santa Ana

The Santa Ana College campus map is printed on page 85



# FALL 2012 WEEKEND CLASSES

The following is a listing of Friday evening, Saturday and Sunday classes offered at Santa Ana College. Refer to the full class listing (beginning on page 21 in this publication) for more complete information.

SANTA ANA COLLEGE

WEEKEND CLASSES

COURSE	SECTION	TIME	DAYS	INSTRUCTOR	LOC./ ROOM	DATES
ACCT	101	61171	8:00a-12:15p	Sa	Mitchell E	SAC A-209 Full Semester
ACCT	102	61178	1:00p-5:15p	Sa	Mitchell E	SAC A-209 Full Semester
ACCT	160	61209	9:00a-12:10p	Sa	Gonzalez Del Rio R	SAC A-228 Full Semester
ART	100	60910	6:00p-10:05p	F	Redfield M	SAC C-104 09/14-10/20
			AND		Redfield M	SAC C-104
ART	195	61530	6:30p-7:25p	F	Caterina A	SAC A-219 Full Semester
			AND		Caterina A	SAC A-219
AUTO	086	63863	6:00p-10:15p	F	Wilkes D	SAC J-102 08/31-10/19
BANK	010	61212	9:00a-2:50p	Sa	Trabant T	SAC A-207 09/01-10/06
BANK	010	61213	9:00a-2:50p	Sa	Trabant T	SAC A-207 10/27-12/08
BIOL	109	61491	9:00a-12:10p	Sa	Takahashi M	SAC R-128 Full Semester
BIOL	109L	61631	12:30p-3:40p	Sa	Staff	SAC R-202 Full Semester
BIOL	239	61710			Mansfield P	SAC HYBRID Full Semester
			AND		Johnson R	SAC R-201
BIOL	239	61708	12:00p-3:10p	Sa	Staff	SAC R-124 Full Semester
			AND		Staff	SAC R-201
BIOL	239	61709	12:00p-3:10p	Sa	Staff	SAC R-124 Full Semester
			AND		Staff	SAC R-201
BA	035	63113	9:00a-1:00p	Sa	Ali W	SAC A-222 09/01-10/20
BA	057	61452	9:00a-12:10p	Sa	Frias Callejas M	SAC A-224 Full Semester
BA	125	61472	9:00a-1:35p	Sa	Nguyen M	SAC A-226 10/27-12/15
BA	147	61475	9:00a-1:35p	Sa	Ali W	SAC A-222 10/27-12/15
BA	188	62333	6:00p-10:00p	F	Nguyen T	SAC A-226 08/31-10/19
BA	189	62335	5:30p-10:00p	F	Nguyen T	SAC A-226 10/26-12/14
CHEM	209	61729	9:00a-12:10p	Sa	Moore B	SAC R-318 Full Semester
			AND		Moore B	SAC R-301
CMST	101	62068	6:00p-9:55p	F	Holder V	SAC C-202 09/14-10/20
			AND		Holder V	SAC C-202
CJA	010	61150	6:00p-10:00p	Tu Th	Staff	SAC CJTC-SD 10/09-11/03
			AND		Staff	SAC CJTC-SD
CJA	026A	61149	7:00a-4:00p	Sa	Staff	SAC CJTC-SD 09/22-09/29
ERTH	110	61791	9:00a-12:10p	Sa	Greenwood R	SAC R-111 Full Semester
ECON	120	60558			Ho L	SAC HYBRID Full Semester
			AND		Ho L	SAC A-211
ECON	121	60561			Ho L	SAC HYBRID Full Semester
			AND		Ho L	SAC A-211
EMT	105	60617			Dethlefsen E	SAC R-307 11/09-12/14
EMT	111	60618	8:30a-12:30p	F Sa	Dethlefsen E	SAC R-307 10/12-10/20
			AND		Dethlefsen E	SAC R-307
ENGR	011	64185	5:00p-7:05p	F	Farmer B	SAC A-130 Full Semester
ENGR	183	62117			Fonseca J	SAC HYBRID Full Semester
			AND		Fonseca J	SAC A-225
ENGR	184	62121	TBA		Fonseca J	SAC HYBRID Full Semester
			AND		Fonseca J	SAC A-225
ENGL	101	60839	9:00a-1:15p	Sa	Keener D	SAC I-106 Full Semester
HIST	121	61007	6:00p-9:25p	F	Riggins C	SAC I-109 10/26-12/15
			AND		Riggins C	SAC I-109
HUD	112	63991			Hardy M	SAC HYBRID Full Semester
			AND		Hardy M	SAC V-151
MNFG	011	64009	5:00p-7:05p	F	Farmer B	SAC A-130 Full Semester
MNFG	053	64016	7:15p-10:25p	F	Farmer B	SAC A-130 Full Semester

COURSE	SECTION	TIME	DAYS	INSTRUCTOR	LOC./ ROOM	DATES
MNFG	071	64146	9:00a-1:15p	Sa	Singh N	SAC H-207 Full Semester
MNFG	N96	64177	9:00a-10:50a	Sa	Digilio G	SAC T-107 Full Semester
MNFG	N96	64178	11:00a-12:50p	Sa	Digilio G	SAC T-107 Full Semester
MNFG	N96	64179	1:30p-3:20p	Sa	Digilio G	SAC T-107 Full Semester
MNFG	N96	64180	3:30p-5:20p	Sa	Digilio G	SAC T-107 Full Semester
MNFG	N97	64181	9:00a-10:50a	Sa	Digilio G	SAC T-107 Full Semester
MNFG	N97	64182	11:00a-12:50p	Sa	Digilio G	SAC T-107 Full Semester
MNFG	N97	64183	1:30p-3:20p	Sa	Digilio G	SAC T-107 Full Semester
MNFG	N97	64184	3:30p-5:20p	Sa	Digilio G	SAC T-107 Full Semester
MATH	N48	61925	8:00a-12:15p	Sa	Pilz L	SAC R-113 Full Semester
MATH	060	62205			Solheid C	SAC HYBRID Full Semester
			AND		Staff	SAC L-207
MATH	080	62222			Vu D	SAC HYBRID Full Semester
			AND		Staff	SAC I-203
MATH	080	61675	8:00a-1:20p	Sa	Maiah A	SAC I-203 Full Semester
MATH	140	61767			Carrera C	SAC HYBRID Full Semester
			AND		Staff	SAC I-204
MATH	140	61758	8:00a-12:15p	Sa	Carrera C	SAC I-204 Full Semester
MATH	219	61870	8:00a-1:20p	Sa	Bui M	SAC A-215 Full Semester
MUS	185	62588	10:00a-10:55a	Sa	Adele D	SAC N-114 Full Semester
			AND		Adele D	SAC N-114
NRN	101L	60588	TBA		Paunovic M	CAREHOUSE 07/28-12/01
NRN	101L	60589	TBA		Rehm A	NNR 07/28-12/01
NRN	106	60607	TBA	M Tu W Th F Sa	Steckler M	SAC R-203 Full Semester
NRN	201L	60600	TBA	Sa Su	Stucken R	COL 07/28-12/09
NRN	201L	60601	TBA	Sa Su	Horgan L	SJH 07/28-12/09
NRN	202L	60603	TBA	Sa	Naraghi A	UCI 08/28-12/13
NRN	206	60609	TBA	M Tu W Th F Sa	Steckler M	SAC R-203 Full Semester
OTA	201	63544			Parolise M	SAC HYBRID Full Semester
			AND		Parolise M	SAC T-210
PARA	100	61108	8:00a-5:10p	Sa	Lamarra K	SAC A-130 09/01-10/06
PARA	246	61110			Lamarra K	SAC HYBRID 10/20-12/15
			AND		Lamarra K	SAC A-130
			AND		Lamarra K	SAC OCLL
PHAR	048	62647	11:30a-5:30p	Sa	Ross Jr J	SAC HYBRID Full Semester
			AND		Ross Jr J	SAC H-201
PHAR	054	62654			Ross Jr J	SAC HYBRID Full Semester
			AND		Ross Jr J	SAC H-201
PHAR	061	62659	9:00a-12:00p	Sa	Nguyen N	SAC H-210 Full Semester
PHAR	061	63556	1:30p-4:30p	M W	Nguyen N	SAC H-210 Full Semester
			AND		Nguyen N	SAC H-210
POLT	101	61130	9:00a-12:10p	Sa	Chervenak T	SAC A-210 Full Semester
PSYC	100	61176	9:00a-12:10p	Sa	Keo-Trang Z	SAC I-108 Full Semester
SOCS	219	61871	8:00a-1:20p	Sa	Bui M	SAC A-215 Full Semester
WELD	025	64132	6:00p-9:30p	F	Staff	SAC K-101 Full Semester
			AND		Staff	SAC K-101
WELD	040	64133	6:00p-9:30p	F	Staff	SAC K-101 Full Semester
			AND		Staff	SAC K-101
WELD	041	64134	8:00a-11:10a	Sa	Staff	SAC K-115 Full Semester

## Hard work pays off on the weekend!

Friday evening – Sunday evening classes

Earn your Liberal Arts or Business Administration AA (meets transfer requirements for CSUF Business Administration)

Why spend more?

Weekend College at SAC is Your Best Investment.

### Annual Fees\*

(\* based on a 12-unit load at SAC excluding books, parking, room, board, & other fees)



Ind./Private \$26,300 (2010 data)

source: College Board Website, "What it Costs to Go to College"





Earn full credit in half the time by enrolling in GR8 Weeks courses. These mini-semester classes run for only eight weeks and are offered in two blocks; at the beginning and middle of the semester. The demand is high and classes are popular so enroll now to save your space. **Don't W8!**

**FOR MORE INFORMATION OR TO  
MAKE A COUNSELING APPOINTMENT,  
CALL: SANTA ANA COLLEGE - 714-564-6100**

## 1ST 8-WEEK COURSES FOR FALL 2012

## 2ND 8-WEEK COURSES FOR FALL 2012

COURSE	SECTION	TIME	DAYS	INSTRUCTOR	LOC./ ROOM	DATES
ACCT 035	61201			Shain S	SAC WEB	08/27-10/19
ACCT 035	61290	6:00p-10:20p	M	Staff	SAC A-228	08/27-10/15
ACCT 113	61205	6:00p-10:10p	W	Siebert P	SAC A-222	08/29-10/17
ACCT 124	64135	6:00p-8:05p	T	Staff	SAC A-222	08/28-10-16
ART 100	60910	6:00p-10:05p	F	Redfield M	SAC C-104	09/14-10/20
AND		12:30p-4:35p	Sa	Redfield M	SAC C-104	
AUTO 086	63863	6:00p-10:15p	F	Wilkes D	SAC J-102	08/31-10/19
BANK010	61212	9:00a-2:50p	Sa	Trabant T	SAC A-207	09/01-10/06
BUS 110	60879	6:00p-10:00p	Tu	Grant M	SAC A-203	08/28-09/18
BUS 111	60909	6:00p-10:00p	Tu	Shweiri G	SAC A-203	09/25-10/16
BUS 147	61814	6:00p-10:00p	Th	Shippey K	SAC A-203	08/30-09/20
BUS 148	61044	6:00p-10:00p	Th	Shippey K	SAC A-203	09/27-10/18
BUS 150	60544	7:00p-10:10p	Tu Th	Beck J	SAC A-213	08/28-10/18
BA 035	63113	9:00a-1:00p	Sa	Ali W	SAC A-222	09/01-10/20
BA 188	62334			Montiel-Childress D	SAC WEB	08/27-10/19
BA 188	62333	6:00p-10:00p	F	Nguyen T	SAC A-226	08/31-10/19
BA 190	62337			Lehrer C	SAC WEB	08/27-10/19
CMPR 125	60723	8:00a-11:10a	F	Quach N	SAC A-215	08/31-10/19
CMST 101	62068	6:00p-9:55p	F	Holder V	SAC C-202	09/14-10/20
AND		9:00a-12:55p	Sa	Holder V	SAC C-202	
CNSL 116	59519			Sadler D	SAC WEB	08/27-10/19
CJA 009B	61342	6:00p-8:00p	Tu Th	Sneddon M	SAC CJTC-SD	09/11-10/04
CJA 026A	61149	7:00a-4:00p	Sa	Staff	SAC CJTC-SD	09/22-09/29
DNCE 109	61567	5:30p-6:30p	M	Westergard-Dobson C	SAC W-107	08/27-10/17
AND		5:30p-6:30p	W	Westergard-Dobson C	SAC W-107	
EMT 111	60618	8:30a-12:30p	F Sa	Dethlefsen E	SAC R-307	10/12-10/20
AND		1:00p-5:10p	F Sa	Dethlefsen E	SAC R-307	
ENGL 061	60775	11:30a-3:45p	Tu Th	Tran M	SAC I-201	08/28-10/18
ENTR 101	61060	6:00p-10:00p	Tu	Thomason G	SAC A-207	08/28-09/18
ENTR 102	61061	6:00p-10:00p	Tu	Kikawa E	SAC D-103	09/25-10/16
ENTR 104	61063	6:00p-10:10p	Th	Staff	SAC A-207	08/30-10/18
GEOL 174	63982	TBA		Hughes P	SAC FLDTRP	10/02-10/23
AND		5:30p-6:30p	Tu	Hughes P	SAC R-111	10/02-10/02
AND		5:30p-6:30p	Tu	Hughes P	SAC R-111	10/23-10/23
HUD 215	63998	6:00p-10:10p	W	Morgan-Beazell G	SAC V-150	08/29-10/17
HUD 221	64002	11:00a-2:10p	Tu Th	Morgan-Beazell G	SAC V-150	08/28-10/18
KNHE 101	61777			Breig D	SAC WEB	08/27-10/19
KNHE 104	61763			Abbey T	SAC WEB	08/27-10/19
KNHE 105	62499	7:30a-8:55a	Tu Th	Corrie R	SAC G-107	08/28-10/18
KNHE 107	62484	9:40a-11:45a	Tu Th	Sneddon D	SAC G-107	08/28-10/18
MKTG 123	61067	6:00p-10:00p	Th	Russo J	SAC A-209	08/30-09/20
MKTG 124	61068	6:00p-10:00p	Th	Russo J	SAC A-209	09/27-10/18
MKTG 125	61069			Russo J	SAC WEB	08/27-10/19
MATH 060	61671	7:30a-9:35a	M Tu W Th	Everett M	SAC R-318	08/27-10/18
MATH 060	61672	6:00p-8:05p	M Tu W Th	Meier K	SAC R-303	08/27-10/18
MUS 142	62462	12:30p-1:35p	M W	Kehlenbach E	DMC-204	08/27-10/17
MUS 146	62492	1:30p-2:55p	Tu Th	Bush N	DMC-204	08/28-10/18
MUS 146	62493	6:00p-9:10p	W	Graham A	DMC-204	08/29-10/17
OTA 202	63531	TBA		Hyman D	SAC	08/27-10/19
PARA 100	61108	8:00a-5:10p	Sa	Lamarra K	SAC A-130	09/01-10/06
PARA 131	61101	9:00a-11:10a	M W	Manzano F	SAC A-206	08/27-10/17
PARA 137	61109	6:00p-10:10p	Th	Staff	SAC A-205	08/30-10/18
STDY 091	63390	1:00p-3:00p	Tu	Campos J	SAC L-202	08/28-10/16
THEA 150	63054	TBA		Cannon C	SAC P-100	08/27-10/19

COURSE	SECTION	TIME	DAYS	INSTRUCTOR	LOC./ ROOM	DATES
ACCT 032	61200	7:00p-9:20p	M	Staff	SAC A-228	10/22-12/10
ACCT 035	61202			Shain S	SAC WEB	10/22-12/14
ACCT 114	61206	6:00p-10:10p	W	Siebert P	SAC A-222	10/24-12/12
ACCT 124	61208	6:00p-8:05p	Tu	Staff	SAC A-222	10/23-12/11
BANK010	61213	9:00a-2:50p	Sa	Trabant T	SAC A-207	10/27-12/08
BUS 113	60911	6:00p-10:00p	Tu	Shweiri G	SAC A-203	10/23-11/13
BUS 114	60946	6:00p-10:00p	Tu	Shweiri G	SAC A-203	11/20-12/11
BUS 149	61045	6:00p-10:00p	Th	Shippey K	SAC A-203	10/25-11/15
BUS 150	60542	7:45a-10:55a	M W	Nichols B	SAC A-213	10/22-12/12
BA 043	61411	5:00p-6:55p	W	Ali W	SAC A-224	11/14-12/05
BA 125	61472	9:00a-1:35p	Sa	Nguyen M	SAC A-226	10/27-12/15
BA 147	61475	9:00a-1:35p	Sa	Ali W	SAC A-222	10/27-12/15
BA 177	61495	7:00p-10:35p	M	Nguyen T	SAC A-222	10/22-12/10
BA 189	62336			Montiel-Childress D	SAC WEB	10/22-12/14
BA 189	62335	5:30p-10:10p	F	Nguyen T	SAC A-226	10/26-12/14
BA 191	62338			Lehrer C	SAC WEB	10/22-12/14
CMPR 100	60541	7:50a-10:55a	Tu Th	Nichols B	SAC A-213	10/23-12/13
CMPR 100	60547	7:00p-10:10p	Tu Th	Nichols B	SAC A-213	10/23-12/13
CMPR 135	60725	8:00a-11:15a	F	Quach N	SAC A-215	10/26-12/14
CMPR 163	61712	11:00a-2:10p	Tu Th	Nichols B	SAC A-213	10/23-12/13
CJA 009B	61343	6:00p-8:00p	Tu Th	Sneddon M	SAC CJTC-SD	11/13-12/11
CJA 010	61150	6:00p-10:00p	Tu Th	Staff	SAC CJTC-SD	10/09-11/03
AND		7:00a-11:00a	Sa	Staff	SAC CJTC-SD	
DNCE 109	61568	5:30p-6:30p	M	Westergard-Dobson C	SAC W-107	10/22-12/12
AND		5:30p-6:30p	W	Westergard-Dobson C	SAC W-107	
EMT 105	60617	TBA	F	Dethlefsen E	SAC R-307	11/09-12/14
ENTR 100	61051			Doolittle G	SAC WEB	10/22-12/14
ENTR 103	61062	6:00p-10:10p	Tu	Hobbs S	SAC A-207	10/23-12/11
ENTR 105	61064			Vonheim E	SAC HYBRID	10/25-12/13
AND		6:00p-10:00p	Th	Vonheim E	SAC A-207	
HIST 121	61007	6:00p-9:25p	F	Riggins C	SAC I-109	10/26-12/15
AND		9:00a-12:25p	Sa	Riggins C	SAC I-109	
HUD 216	63999	6:00p-10:10p	W	Staff	SAC V-150	10/24-12/12
KNFI 100	64190	TBA		Sneddon D	SAC E-108	10/22-12/14
KNFI 109	64091	TBA		Luppani M	SAC E-102	10/22-12/14
KNFI 110	64093	TBA		Luppani M	SAC E-102	10/22-12/14
KNHE 101	61778			Breig D	SAC WEB	10/22-12/14
KNHE 105	63378	7:30a-8:55a	Tu Th	Staff	SAC G-107	10/23-12/13
KNHE 107	62485	9:40a-11:45a	Tu Th	Sneddon D	SAC G-107	10/23-12/13
MKTG 126	61070			Grant M	SAC WEB	10/22-12/14
MATH 080	61682	7:30a-10:05a	M Tu W Th	Everett M	SAC R-318	10/22-12/13
MATH 080	61690	6:00p-8:35p	M Tu W Th	Meier K	SAC R-303	10/22-12/13
MUS 143	62467	12:30p-1:35p	M W	Kehlenbach E	DMC-204	10/22-12/12
MUS 144	62473	12:30p-1:35p	M W	Kehlenbach E	DMC-204	10/22-12/12
MUS 144	62475	1:30p-2:35p	Tu Th	Bush N	DMC-204	10/23-12/13
MUS 147	62478	1:30p-2:55p	Tu Th	Bush N	DMC-204	10/23-12/13
NRN 200	60613	4:00p-6:05p	M W	Horgan L	SAC R-114	10/22-12/12
OTA 203	63536	TBA		Hyman D	SAC	10/22-12/14
PARA 136	61102	9:00a-11:10a	M W	Manzano F	SAC A-206	10/22-12/12
PARA 138	61103			Staff	SAC HYBRID	10/25-12/13
AND		6:00p-10:00p	Th	Staff	SAC A-205	
PARA 246	61110	8:00a-11:00a	Sa	Lamarra K	SAC A-130	10/20-12/15
AND		11:30a-5:30p	Sa	Lamarra K	OCLL	
PSYC 100	61189	2:00p-5:20p	M W	Larson M	SAC D-434	10/22-12/12
STDY 091	63391	1:00p-3:05p	Tu	Campos J	SAC L-202	10/23-12/11

## FRESHMAN EXPERIENCE – LEARNING COMMUNITIES AT SANTA ANA COLLEGE

Freshman Experience 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 Experience 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.

### Important:

Students are required to enroll in **all** classes within the Freshman Experience cohort. To enroll in this program, students may register on-line, by telephone, or in person. For further information, call the Counseling Center at 714-564-6100.

### FRESHMAN EXPERIENCE COURSES — FALL 2012

SECTION	COURSE	TIME	DAYS	INSTRUCTOR	ROOM
1	60892 English N50 59468 Counseling 107	8:00a-9:25a 10:00a-11:25a	Tu Th Tu Th	Cons, A Vu, I	I-201 I-202
2	60901 English N60 59467 Counseling 107	10:15a-12:20p 8:30a-9:55a	M W M W	Bassett, D Staff	I-207 I-102
3	60900 English N60 59469 Counseling 107	8:00a-10:05a 10:15a-11:40a	Tu Th Tu Th	Sosta, R Castro, R	T-212 I-209
4	60774 English 061 59473 Counseling 107	11:45a-1:50p 2:30p-3:55p	Tu Th Tu Th	Staff Palomares, E	I-104 I-108
5	60760 English 061 59472 Counseling 107	11:30a-1:35p 9:30a-10:55a	Tu Th Tu Th	Mitzner, R Kelley, M	D-204 I-108
6	PUENTE 60757 English 061 59470 Counseling 107	9:30a-11:35a 8:00a-9:25a	Tu Th Tu Th	Carroll, A Romero, A	D-212 I-102
7	60759 English 061 62730 Counseling 100	9:00a-11:05a 11:30a-1:35p	Tu Th T	Martinez, D Sanabria, R	I-107 I-102
8	60812 English 101 61162 Psych 100 59493 Counseling 116	11:30a-1:35p 9:45a-11:10a 11:00a-12:25 p	Tu Th Tu Th M W	Bassett, D Ortiz, F Gilmour, D	I-106 I-201 I-101
9	U-LINK 61889 Music 103 59461 Counseling 107	9:30a-10:55a 12:45p-3:55 p	Tu Th W	Lopez, D Zook, R	N-114 A-130
10	U-LINK 60550 Chicano Studies 101 59464 Counseling 107	9:45a-11:10a 12:45p-3:55 p	M W W	Sanchez, G Staff	D-209 I-209
11	61893 Math N48 59474 Counseling 107	10:15a-12:20p 8:30a-9:55a	M W M W	Rogers, N Castro, R	R-113 I-209
12	61892 Math N48 59462 Counseling 107	8:30a-10:35a 11:00a-12:25 p	Tu Th Tu Th	Marecek, L Robledo, R	R-113 I-101
13	61485 Math 060 59475 Counseling 107	12:00p-2:05p 2:30p-3:55p	Tu Th Tu Th	Lechuga, J Vu, Irene	R-115 I-209
14	61642 Math 060 59477 Counseling 107	3:15p-5:20p 1:30p-2:55p	M W M W	Nason, J Plum, C	H-109 I-108
15	61637 Math 060 59466 Counseling 107	9:45a-11:50a 8:00a-9:25a	M W M W	Hager, B Everett, K	R-117 I-108
16	61724 Math 081 59465 Counseling 107	10:15a-12:45p 8:30a-9:55a	Tu Th Tu Th	Everett, M Everett, K	I-203 I-209

Weekly Lab Attendance Required

## LEARNING COMMUNITIES II Learning Communities Aren't Just for Freshmen!

Following up on six years of increased students success in Freshman Experience learning communities, Santa Ana College is now offering a new set of learning communities opportunities: Learning Communities II.

Learning Communities II affords innovative approaches to traditional course offerings by creating linked classes in which students and instructors will explore subjects, themes, and academic skills and competencies that are common to both classes.

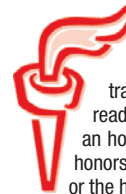
**Note:** Students are required to enroll in **all** classes within the Learning Communities II cohort. To enroll in this program, students may **register online or in person**.

For further information, call the Counseling Center at 714-564-6100.

### LEARNING COMMUNITIES II — FALL 2012

	SECTION	COURSE	TIME	DAYS	INSTRUCTOR	ROOM
1	61732	Chemistry 209	10:00a-11:25a	M W	McMillan, J	R-126
	61732	Chemistry Lab	12:00p-3:10p	M	McMillan, J	R-301
	59479	Counseling 111	9:00a-9:50 a	F	Castro, R	I-101
2	U-LINK 60863	English 101H	10:00a-12:05p	Tu Th	Patterson, K	D-307
	61333	Sociology 100H	8:00a-9:25a	M W	Wood, S	D-401
3	U-LINK 62271	Comm Studies 102	11:00a-12:25p	Tu Th	Fondren, S	C-214
	59480	Counseling 111	12:30p-1:20p	T	Zook, R	I-209
4	62274	Comm Studies 102	2:00p-4:55p	W	Fondren, S	I-103
	59482	Counseling 114	1:00p-1:50p	W	Bautista, S	I-103
5	STEM 61785	Math 160	10:15-12:20p	M W	McKowan-Bourguignon, L	H-109
	63313	Counseling 111	12:30p-1:20p	M	Becerra, R	I-101
	63314	Counseling 100	1:30p-2:30p	M W	Becerra, R	I-101

## THE HONORS PROGRAM AT SANTA ANA COLLEGE



Experience the advantages of small classes (no more than 18 students), individualized attention from professors and peers, and an enriched academic environment. All honors courses are transferable, require a minimum 3.0 GPA, and carry an advisory reading level of 4. Students need not be in the honors program to take an honors class, and classes may be taken at either college to fulfill honors program requirements. For more information on honors classes or the honors program at SAC, contact Kathy Patterson, 714-564-6528, office D-428, Santa Ana College. You may preregister if you meet the prerequisite requirements.

### FALL 2012 HONORS CLASSES:

<b>Biology 109H, Honors Fundamentals of Biology</b>	61531	3:15p-4:40p	Tu Th	Lopez J	SAC I-204
<b>Communication Studies 101H, Honors Introduction to Interpersonal</b>	62071	11:00a-12:25p	M W	Moorhead C	SAC C-202
<b>Communication Studies 206H, Honors Gender Communication</b>	62307	12:30p-1:55p	Tu Th	Lockwood L	SAC C-214
<b>English 101H, Honors Freshman Composition</b>	60862	7:30a-9:35a	Tu Th	Mitzner R	SAC D-214
	60863	10:00a-12:05p	Tu Th	Patterson K	SAC D-307
<b>English 102H, Honors Literature and Composition</b>	60867	4:00p-8:15p	M	Patterson K	SAC I-201
<b>English 103H, Honors Critical Thinking and Writing</b>	60874	10:15a-12:20p	M W	Bennett G	SAC I-109
<b>Mathematics 219H, Honors Statistics and Probability</b>	61873	1:00p-3:30p	Tu Th	Mc Clure C	SAC A-215
<b>Philosophy 106H, Honors Introduction to Philosophy</b>	61091	9:45a-11:10a	Tu Th	Shigematsu T	SAC D-105
<b>Political Science 101H, Honors Introduction to American Governments</b>	61146	9:45a-11:10a	M W	Andrade P	SAC D-434
<b>Social Science 219H, Honors Statistics and Probability</b>	61874	1:00p-3:30p	Tu Th	McClure C	SAC A-215
<b>Sociology 100H, Honors Introduction to Sociology</b>	61333	8:00a-9:25a	M W	Wood S	SAC D-401

# ONLINE COURSES FOR FALL 2012

## Online Course Participation/Attendance, and Exams

Students enrolling in Online courses will have the opportunity to complete their course work outside of the classroom, although some classes combine on-site testing with online instruction. Information about online classes such as course orientation or meeting dates, time and place, Frequently Asked Questions, course requirements, and instructor contact information can be found at <http://www.sac.edu/disted>. Students on wait lists must email the instructor the first week of class to be considered for enrollment. Students may access course materials via the Internet either at home or using an on campus computer. It is extremely important that your current address, phone number and email address is on file in the Admissions Office. Please contact the Distance Education Office, 714-564-6725, if you do not receive your information by August 27, 2012. Visit our website at [www.sac.edu/disted](http://www.sac.edu/disted). A Santa Ana College instructor will be available on campus, by phone, or email to answer questions or discuss course material during the course. Access to most online courses will be available August 27, 2012.

## Hybrid (Blended) Courses

Hybrid (blended) courses are courses that combine face-to-face classroom instruction with online learning. Students will have required instructional on-campus meetings and online instruction. On campus required meeting dates are listed for hybrid courses. Information about hybrid classes such as course orientation or meeting dates, time and place, Frequently

Asked Questions, course requirements, and instructor contact information can be found at [www.sac.edu/disted](http://www.sac.edu/disted). Students on wait lists must email the instructor the first week of class to be considered for enrollment. Students may access course materials via the Internet either at home or using an on campus computer. It is extremely important that your current address, phone number and email address is on file in the Admissions Office. Please contact the Distance Education Office, 714-564-6725, if you do not receive your information by August 27, 2012.

## Access Requirements

Online and Hybrid courses require students to have access to a computer with an individual email account and Internet access. Internet access is also available to students in the Santa Ana College Academic Computing Center, located in the Cesar Chavez Building (A-106) and the SAC Nealley Library. Santa Ana College uses Blackboard for most of its online courses. Students enrolled in most online classes will log on to: <http://rscd.blackboard.com>. Online and Hybrid courses require an Internet connection, an individual email address and basic computer skills.



Online courses are identified in the class listing by this symbol.



Hybrid courses are identified in the class listing by this symbol.

SECTION	INSTRUCTOR	EMAIL
<b>ACCOUNTING 035</b> 61201 (Online) 8/27/12-10/19/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>QUICKBOOKS</b> S. Shain Shain_Sheila@sac.edu	<b>2 UNITS</b>
<b>ACCOUNTING 035</b> 61202 (Online) 10/22/12-12/14/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>QUICKBOOKS</b> S. Shain Shain_Sheila@sac.edu	<b>2 UNITS</b>
<b>ACCOUNTING 101</b> 61158 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>FINANCIAL ACCOUNTING</b> S. Shain Shain_Sheila@sac.edu	<b>4 UNITS</b>
<b>ACCOUNTING 101</b> 61159 (Hybrid) Online instruction plus mandatory on-campus every Wednesday 6:00p-9:00p. SAC A-209. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>FINANCIAL ACCOUNTING</b> J. Trone Trone_Jinhee@sac.edu	<b>4 UNITS</b>
<b>ACCOUNTING 102</b> 61173 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>MANAGERIAL ACCOUNTING</b> J. Trone Trone_Jinhee@sac.edu	<b>4 UNITS</b>
<b>ACCOUNTING 104</b> 61204 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information for more information.	<b>FEDERAL AND CALIFORNIA TAXES</b> J. Trone Trone_Jinhee@sac.edu	<b>4 UNITS</b>
<b>ART 100</b> 60857 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Enrolled students are to login to Blackboard the first week of class.	<b>INTRODUCTION TO ART CONCEPTS</b> S. Brown Brown_Sharon@sac.edu	<b>3 UNITS</b>
<b>ART 100</b> 60858 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Enrolled students are to login to Blackboard the first week of class.	<b>INTRODUCTION TO ART CONCEPTS</b> S. Brown Brown_Sharon@sac.edu	<b>3 UNITS</b>
<b>BIOLOGY 109</b> 61494 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>FUNDAMENTALS OF BIOLOGY</b> M. Rourke Rourke_Michael@sac.edu	<b>3 UNITS</b>
<b>BIOLOGY 109</b> 61496 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>FUNDAMENTALS OF BIOLOGY</b> P. Mansfield Mansfield_Patricia@sac.edu	<b>3 UNITS</b>
<b>BIOLOGY 239</b> 61710 (Hybrid) Includes on campus lab. Will specifically utilize cadaver demonstration/dissection instead of cats. Online instruction plus mandatory on campus lab meetings every Friday, 3:00p-6:10p. SAC R-201. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>GENERAL HUMAN ANATOMY</b> P. Mansfield Mansfield_Patricia@sac.edu	<b>4 UNITS</b>
<b>BUSINESS 100</b> 60637 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>FUNDAMENTALS OF BUSINESS</b> M. Grant Grant_Madeline@sac.edu	<b>3 UNITS</b>
<b>BUSINESS 100</b> 60640 (Online) 8/27/12-10/19/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>FUNDAMENTALS OF BUSINESS</b> G. Doolittle Doolittle_Glenn@sac.edu	<b>3 UNITS</b>

SECTION	INSTRUCTOR	EMAIL
<b>BUSINESS 105</b> 61117 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>LEGAL ENVIRONMENT OF BUSINESS</b> R. Manzano Manzano_Rick@sac.edu	<b>3 UNITS</b>
<b>BUSINESS 106</b> 62339 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>CULTURE AND INTERNATIONAL BUSINESS</b> G. Doolittle Doolittle_Glenn@sac.edu	<b>3 UNITS</b>
<b>BUSINESS 130</b> 61214 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>PERSONAL FINANCE</b> E. Mitchell Mitchell_Earl@sac.edu	<b>3 UNITS</b>
<b>BUSINESS 140</b> 64028 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information	<b>PRINCIPLES OF FINANCE</b> E. Mitchell Mitchell_Earl@sac.edu	<b>3 UNITS</b>
<b>BUSINESS 150</b> 60549 (Online) Online Instruction with on campus orientation. Go to <a href="http://sac.edu/ckushida">http://sac.edu/ckushida</a> for more information. Email instructor first week of class.	<b>INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS</b> C. Kushida Kushida_Cherylee@sac.edu	<b>3 UNITS</b>
<b>BUSINESS APPLICATIONS 179</b> 62327 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>INTRODUCTION TO MICROSOFT OFFICE</b> M. Nguyen Nguyen_Michael@sac.edu	<b>4 UNITS</b>
<b>BUSINESS APPLICATION 188</b> 62334 (Online) 8/27/12-10/19/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>MICROSOFT EXCEL</b> D. Montiel Montiel_Dena@sac.edu	<b>1.5 UNITS</b>
<b>BUSINESS APPLICATION 189</b> 62336 (Online) 10/22/12-12/14/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>EXCEL APPLICATION PROJECTS</b> D. Montiel Montiel_Dena@sac.edu	<b>1.5 UNITS</b>
<b>BUSINESS APPLICATIONS 190</b> 62337 (Online) 8/27/12-10/19/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>MICROSOFT POWERPOINT</b> C. Lehrer Lehrer_Carol@sac.edu	<b>1.5 UNITS</b>
<b>BUSINESS APPLICATIONS 191</b> 62338 (Online) 10/22/12-12/14/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>POWERPOINT APPLICATION</b> C. Lehrer Lehrer_Carol@sac.edu	<b>1.5 UNITS</b>
<b>CHEMISTRY 209</b> 61733 (Hybrid) Online instruction plus mandatory orientation meeting on Monday, Aug. 27, 8:30a-9:25a, SAC R-126 and on campus lab meetings every Friday, 9:00a-12:10p., SAC R-309. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>INTRODUCTORY CHEMISTRY</b> C. Jenkins Jenkins_Crystal@sac.edu	<b>4 UNITS</b>
<b>COMPUTER SCIENCE 100</b> 60559 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>THE COMPUTER AND SOCIETY</b> G. Harding Harding_Glen@sac.edu	<b>3 UNITS</b>



# FALL 2012 ONLINE COURSES CONTINUED...

SECTION	INSTRUCTOR	EMAIL
<b>COUNSELING 116</b> 59491 (Hybrid)	<b>CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 3 UNITS</b> V. Nguyen Nguyen_Van@sac.edu	<b>3 UNITS</b>
Online instruction plus on campus meetings every Monday, 6:00p-7:30p, SAC I-102. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>COUNSELING 116</b> 59519 (Online)	<b>CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 3 UNITS</b> D. Sadler Sadler_Dennis@sac.edu	<b>3 UNITS</b>
8/27-10/19. Students must attend one of the following orientations: Tuesday, Aug 29 or Sep 5, 7:00p-8:30p, SAC L-225. For additional information or if you wish to add the course after Aug. 27 email the instructor. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>COUNSELING 116</b> 59521, 59522 OR 59523 (Online)	<b>CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 3 UNITS</b> D. Sadler Sadler_Dennis@sac.edu	<b>3 UNITS</b>
Students must attend one of the following orientations: Tuesday, Aug 28 or Sep 4, 12:00p-1:30p or 7:00p-8:30p, SAC L-225. For additional information or if you wish to add the course after Aug. 27 email the instructor. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>COUNSELING 116</b> 59524 (Hybrid)	<b>CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 3 UNITS</b> D. Sadler Sadler_Dennis@sac.edu	<b>3 UNITS</b>
Online instruction plus on campus meetings every Monday, 6:00p-7:30p, SAC L-225. For additional information or if you wish to add the course after Aug. 27 email the instructor. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>CRIMINAL JUSTICE 103</b> 63695 (Online)	<b>CONCEPTS OF CRIMINAL LAW 3 UNITS</b> A. Gonis Gonis_Andrew@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory orientation meeting Monday, Aug. 27, 6:00p-7:00p, SAC H-207. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class		
<b>ECONOMICS 120</b> 60558 (Hybrid)	<b>PRINCIPLES/ MACROECONOMICS 3 UNITS</b> L. Ho Ho_Lac@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on-campus meetings. Saturdays, 9/1, 11/10, 12/8, 10:00a-11:30a, SAC A-211. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ECONOMICS 121</b> 60561 (Hybrid)	<b>PRINCIPLES/MICROECONOMICS 3 UNITS</b> L. Ho Ho_Lac@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on-campus meetings. Saturdays, 9/1, 11/10, 12/8, 11:40a-1:10p, SAC A-211. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>EDUCATION 204</b> 63769 (Hybrid)	<b>PERSONAL PROFICIENCY IN EDUCATION 3 UNITS</b> T. Naman Naman_Trudy@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on-campus meetings. Wednesday, 8/29, 9/5 and then every other Wednesday, 7:30p-10:40p, SAC T-203. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>EDUCATION 205</b> 63771 (Hybrid)	<b>PERSONAL PROFICIENCY IN EDUCATION 3 UNITS</b> T. Naman Naman_Trudy@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on-campus meetings. Wednesday, 8/29, 9/5 and then every other Wednesday, 7:30p-10:40p, SAC T-203. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGLISH 061</b> 60753 (Hybrid)	<b>INTRODUCTION TO COMPOSITION 3 UNITS</b> G. Bennett Bennett_Gary@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on-campus meetings. Thursday, 8/30, 9/27, 11/1, 12/13, 4:30p-6:50p, SAC I-104. Sixteen Writing Center lab hours required, one hour per week. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGLISH 101</b> 60822 (Hybrid)	<b>FRESHMAN COMPOSITION 4 UNITS</b> N. Kabaji Kabaji_Noha@sac.edu	<b>4 UNITS</b>
Online instruction plus mandatory on-campus meetings: Tuesday, 8/28, 9/25, 11/13, 11/27, 4:00p-6:30p, SAC D-208 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGLISH 101</b> 60826 (Hybrid)	<b>FRESHMAN COMPOSITION 4 UNITS</b> J. Carey Carey_Jennifer@sac.edu	<b>4 UNITS</b>
Online instruction plus mandatory on-campus meetings: Mondays, 8/27, 9/24, 10/29, 12/3, 4:00p-5:50p, SAC D-305. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGLISH 101</b> 60833 (Hybrid)	<b>FRESHMAN COMPOSITION 4 UNITS</b> G. Bennett Bennett_Gary@sac.edu	<b>4 UNITS</b>
Online instruction plus mandatory on-campus meetings: Thursday, 8/30, 10/4, 11/8, 12/13, 7:00p-9:20p, SAC D-109. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGLISH 101</b> 60835 (Hybrid)	<b>FRESHMAN COMPOSITION 4 UNITS</b> D. Pearce Pearce_Dianne@sac.edu	<b>4 UNITS</b>
Online instruction plus mandatory on-campus meetings: Thursdays, 8/30, 10/4, 11/8, 12/13, 4:00p-5:50p, SAC D-101. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGLISH 101</b> 60836 (Hybrid)	<b>FRESHMAN COMPOSITION 4 UNITS</b> P. Nguyen Nguyen_Pete@sac.edu	<b>4 UNITS</b>
Online instruction plus mandatory on-campus meetings: Thursdays, 8/30, 10/4, 11/8, 12/13, 4:00p-5:50p, SAC D-102. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		

SECTION	INSTRUCTOR	EMAIL
<b>ENGLISH 101</b> 60845 (Hybrid)	<b>FRESHMAN COMPOSITION 4 UNITS</b> C. Ramshaw Ramshaw_Charles@sac.edu	<b>4 UNITS</b>
Online instruction plus mandatory on-campus meetings. Monday, 8/27, 10/1, 10/29, 11/26, 3:00p-4:50p, SAC D-102. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGLISH 102</b> 60865 (Hybrid)	<b>LITERATURE AND COMPOSITION 4 UNITS</b> C. Ramshaw Ramshaw_Charles@sac.edu	<b>4 UNITS</b>
Online instruction plus mandatory on-campus meetings. Monday, 8/27, 10/1, 10/29, 11/26, 5:00p-6:50p, SAC D-401. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGLISH 103</b> 60886 (Hybrid)	<b>CRITICAL THINKING AND WRITING 4 UNITS</b> M. Beyersdorf Beyersdorf_Matthew@sac.edu	<b>4 UNITS</b>
Online instruction plus mandatory on-campus meetings. Monday, 8/27, 9/24, 10/29, 12/3, 5:00p-6:50p, SAC D-214. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGLISH 270</b> 60878 (Online)	<b>CHILDREN'S LITERATURE 3 UNITS</b> G. Bennett Bennett_Gary@sac.edu	<b>3 UNITS</b>
Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGINEERING 012</b> 61821 (Hybrid)	<b>AEC BLUEPRINT READING 3 UNITS</b> Staff	<b>3 UNITS</b>
Online instruction plus mandatory on-campus meetings every Monday, 10:00a-12:00p, SAC A-216. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>ENGINEERING 051</b> 61826 (Hybrid)	<b>BASIC TECH. DRAWING 3 UNITS</b> C. Takahashi Takahashi_craig@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on-campus meetings every Tuesday, 6:00p-10:00p, SAC A-214. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>ENGINEERING 100B</b> 61833 (Hybrid)	<b>INTRODUCTION TO AEC 2 UNITS</b> S. Sherod Sherod_Susan@sac.edu	<b>2 UNITS</b>
Online instruction plus mandatory on-campus meetings every Thursday, 6:00p-6:55p, SAC A-216. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>ENGINEERING 110</b> 61852 (Online)	<b>ADVANCED CAD APPLICATIONS 4 UNITS</b> Staff	<b>4 UNITS</b>
Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGINEERING 112</b> 63364 (Online)	<b>SOCIETY AND THE BUILT ENVIRONMENT 3 UNITS</b> S. Sherod Sherod_Susan@sac.edu	<b>3 UNITS</b>
Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.		
<b>ENGINEERING 122</b> 62041 (Hybrid)	<b>ENGINEERING DRAWING 3 UNITS</b> C. Takahashi Takahashi_Craig@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on campus meetings every Thursday, 6:00p-10:00p, SAC A-214. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>ENGINEERING 124</b> 62052 (Hybrid)	<b>ADVANCED DRAWING 3 UNITS</b> C. Takahashi Takahashi_Craig@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on campus meetings every Thursday, 6:00p-10:00p, SAC A-214. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>ENGINEERING 130A</b> 62053 (Online)	<b>CATIA SOLID MODELING I 3 UNITS</b> J. Cole Cole_John@sac.edu	<b>3 UNITS</b>
Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>ENGINEERING 130B</b> 62054 (Online)	<b>CATIA SOLID MODELING II 3 UNITS</b> J. Cole Cole_John@sac.edu	<b>3 UNITS</b>
Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information		
<b>ENGINEERING 132</b> 64051 (Hybrid)	<b>INTRODUCTION TO ROBOTICS 3 UNITS</b> C. Takahashi Takahashi_Craig@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on campus meetings every Tuesday, 6:00p-9:00p, SAC A-214. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>ENGINEERING 140A</b> 62056 (Hybrid)	<b>PROENGINEER SOLID MODELING I 3 UNITS</b> L. Rodriguez Rodriguez_Leonardo@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on campus meetings every Wednesday, 5:30p-8:30p, SAC A-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>ENGINEERING 140B</b> 64054 (Hybrid)	<b>PROENGINEER SOLID MODELING II 3 UNITS</b> L. Rodriguez Rodriguez_Leonardo@sac.edu	<b>3 UNITS</b>
Online instruction plus mandatory on campus meetings every Wednesday, 5:30p-8:30p, SAC A-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		
<b>ENGINEERING 142</b> 64055 (Hybrid)	<b>ARCHITECTURE/CIVIL ENGINEERING/CONSTRUCTION (AEC) DRAFTING STANDARDS 4 UNITS</b> S. Sherod Sherod_Susan@sac.edu	<b>4 UNITS</b>
Online instruction plus mandatory on campus meetings every Monday, 5:00p-8:00p, SAC A-216. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.		



# FALL 2012 ONLINE COURSES CONTINUED...

SECTION	INSTRUCTOR	EMAIL
<b>ENGINEERING 175</b> 64068 (Hybrid) Online instruction plus mandatory on campus meetings every Tuesday, 6:00p-9:00p, SAC A-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information	<b>INTRODUCTION TO ENERGY ANALYSIS</b> M. Rodriguez Castillo Castillo_Mario@sac.edu	<b>4 UNITS</b>
<b>ENGINEERING 183</b> 62097 (Hybrid) Online instruction plus mandatory on campus meetings every Monday, 5:00p-8:00p, SAC A-216. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>AUTOCAD I-COMPUTER AIDE DRAFT</b> S. Sherod Sherod_Susan@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 183</b> 62117 (Hybrid) Online instruction plus mandatory on campus meetings every Saturday, 8:00a-12:10p, SAC A-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>AUTOCAD I-COMPUTER AIDE DRAFT</b> J. Fonseca Fonseca_Jesse@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 183</b> 62127 (Hybrid) Online instruction plus mandatory on campus meetings every Wednesday, 5:30p-7:30p, SAC A-216. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>AUTOCAD I-COMPUTER AIDE DRAFT</b> S. Sherod Sherod_Susan@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 183</b> 64072 (Hybrid) Online instruction plus mandatory on campus meetings every Monday, 6:00p-10:00p, SAC A-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information	<b>AUTOCAD I-COMPUTER AIDE DRAFT</b> H. Gallegos Gallegos_Humberto@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 184</b> 62121 (Hybrid) Online instruction plus mandatory on campus meetings every Saturday, 8:00a-12:10p, SAC A-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>AUTOCAD II-COMPUTER AIDE DRAFT</b> J. Fonseca Fonseca_Jesse@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 184</b> 62129 (Hybrid) Online instruction plus mandatory on campus meetings every Wednesday, 5:30p-7:30p, SAC A-216. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>AUTOCAD II-COMPUTER AIDE DRAFT</b> S. Sherod Sherod_Susan@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 184</b> 64074 (Hybrid) Online instruction plus mandatory on campus meetings every Monday, 6:00p-10:00p, SAC A-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information	<b>AUTOCAD II-COMPUTER AIDE DRAFT</b> H. Gallegos Gallegos_Humberto@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 186</b> 62144 (Hybrid) Online instruction plus mandatory on campus meetings every Thursday, 6:00p-10:10p, SAC A-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>AUTOCAD 3-DIMENSIONAL DRAWING</b> R. Galvez Galvez_Raul@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 187</b> 62145 (Hybrid) Online instruction plus mandatory on campus meetings every Thursday, 6:00p-10:00p, SAC A-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>ADVANCED 3-D AUTOCAD</b> R. Galvez Galvez_Raul@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 191</b> 64069 (Hybrid) Online instruction plus mandatory on campus meetings every Monday, 6:00p-10:00p, SAC A-214. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>CIVIL CAD CONCEPTS</b> R. Galvez Galvez_Raul@sac.edu	<b>3 UNITS</b>
<b>ENGINEERING 193</b> 64071 (Hybrid) Online instruction plus mandatory on campus meetings every Monday, 6:00p-10:00p, SAC A-214. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information	<b>MICROSTATION 3-D</b> R. Galvez Galvez_Raul@sac.edu	<b>3 UNITS</b>
<b>ENTREPRENEURSHIP 100</b> 61051 (Online) 10/22/12-12/14/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP</b> G. Doolittle Doolittle_Glen@sac.edu	<b>3 UNITS</b>
<b>ENTREPRENEURSHIP 105</b> 61064 (Hybrid) 10/25/12-12/13/12. Online instruction plus mandatory on-campus meetings every Thursday, 6:00p-10:00p, SAC A-207. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>SOCIAL MEDIA, BOOTSTRAPPING</b> E. Vonheim Vonheim_Eric@sac.edu	<b>2 UNITS</b>
<b>FIRE TECHNOLOGY 101</b> 62529 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>FIRE PROTECTION ORGANIZATION</b> D. Stefano Stefano_Daniel@sac.edu	<b>3 UNITS</b>
<b>FIRE TECHNOLOGY 102</b> 62540 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>FIRE BEHAVIOR AND COMBUSTION</b> J. Ash Ash_Jeffrey@sac.edu	<b>3 UNITS</b>
<b>FIRE TECHNOLOGY 103</b> 62567 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>PERSONAL FIRE SAFETY</b> Staff	<b>3 UNITS</b>
<b>FIRE TECHNOLOGY 104</b> 62574 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>FIRE PREVENTION TECHNOLOGY</b> S. Freeman Freeman_Suzanne@sac.edu	<b>3 UNITS</b>

SECTION	INSTRUCTOR	EMAIL
<b>FIRE TECHNOLOGY 105</b> 62586 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>BUILDING CONSTRUCTION FOR FIRE PROTECTION</b> D. Wiskus Wiskus_Dennis@sac.edu	<b>3 UNITS</b>
<b>FIRE TECHNOLOGY 106</b> 62592 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>FIRE PROTECTION EQUIPMENT AND SYSTEMS</b> D. Wiskus Wiskus_Dennis@sac.edu	<b>3 UNITS</b>
<b>HISTORY 120</b> 60999 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>THE UNITED STATES TO 1865</b> J. Hereen Hereen_Jeff@sac.edu	<b>3 UNITS</b>
<b>HISTORY 121</b> 61008 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>THE UNITED STATES SINCE 1865</b> T. Menzing Menzing_Todd@sac.edu	<b>3 UNITS</b>
<b>HUMAN DEVELOPMENT 107</b> 63772 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>CHILD GROWTH AND DEVELOPMENT</b> M. Kimmel Kimmel_Michelle@sac.edu	<b>3 UNITS</b>
<b>HUMAN DEVELOPMENT 112</b> 63991 (Hybrid) Online instruction plus mandatory on-campus meetings Saturday 9/1, 10/6, 11/3, 12/1, 9:30a-12:30p, SAC V-151. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>HEALTH, SAFETY &amp; NUTRITION FOR SCHOOL AGED CHILDREN</b> M. Hardy Hardy_Michelle@sac.edu	<b>3 UNITS</b>
<b>KINESIOLOGY - HEALTH 101</b> 61777 (Online) 8/27/12-10/19/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>HEALTHFUL LIVING</b> D. Breig Breig_David@sac.edu	<b>3 UNITS</b>
<b>KINESIOLOGY - HEALTH 101</b> 61778 (Online) 10/22/12-12/14/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>HEALTHFUL LIVING</b> D. Breig Breig_David@sac.edu	<b>3 UNITS</b>
<b>KINESIOLOGY - HEALTH 102</b> 62005 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>WOMEN'S HEALTH ISSUES</b> J. Coffman Coffman_Jodi@sac.edu	<b>3 UNITS</b>
<b>KINESIOLOGY - HEALTH 102</b> 62350 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>WOMEN'S HEALTH ISSUES</b> K. Nutter Nutter_Kim@sac.edu	<b>3 UNITS</b>
<b>KINESIOLOGY - HEALTH 104</b> 61763 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>NUTRITION AND FITNESS</b> T. Abbey Abbey_Troy@sac.edu	<b>2 UNITS</b>
<b>KINESIOLOGY PROFESSIONAL 125</b> 62006 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>SPORT PSYCHOLOGY</b> J. Coffman Coffman_Jodi@sac.edu	<b>3 UNITS</b>
<b>KINESIOLOGY PROFESSIONAL 150</b> 62312 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class	<b>SPORT AND SOCIETY</b> M. Luppiani Luppiani_Maria@sac.edu	<b>3 UNITS</b>
<b>KINESIOLOGY PROFESSIONAL 160</b> 62477 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>MANAGEMENT OF PHYSICAL EDUCATION AND SPORT</b> A. Siddons Siddons_Alan@sac.edu	<b>3 UNITS</b>
<b>LIBRARY TECHNOLOGY 053</b> 60694 (Hybrid) Online instruction plus mandatory on-campus meetings: Wednesdays, 4:00-5:55pm, SAC L-112-1. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>LIBRARY INTERNSHIP</b> Y. Garcia Garcia_Yolanda@sac.edu	<b>3 UNITS</b>
<b>MATHEMATICS 060</b> 62205 (Hybrid) Between the dates of 8/22-8/24 email the instructor for instructions on how to view the mandatory orientation. Online instruction plus mandatory on campus meetings: Fridays, 9/21, 10/19, 11/16, 12/7, 4:00p-6:00p, SAC L-207. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>ELEMENTARY ALGEBRA</b> C. Solheid Solheid_Christa@sac.edu	<b>4 UNITS</b>
<b>MATHEMATICS 080</b> 62222 (Hybrid) Between the dates of 8/22-8/24 email the instructor for instructions on how to view the mandatory orientation. Online instruction plus mandatory on campus meetings: Fridays, 9/21, 10/19, 11/16, 12/7, 6:00p-8:00p, SAC I-203. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information	<b>INTERMEDIATE ALGEBRA</b> D. Vu Vu_Dahlia@sac.edu	<b>4 UNITS</b>
<b>MATHEMATICS 140</b> 61767 Between the dates of 8/22-8/24 email the instructor for instructions on how to view the mandatory orientation. Online instruction plus mandatory on campus meetings: Fridays, 9/21, 10/19, 11/16, 12/7, 6:00p-8:00p, SAC I-204. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>COLLEGE ALGEBRA (CAN MATH 4)</b> C. Carrera Carrera_Cheryl@sac.edu	<b>4 UNITS</b>

# FALL 2012 ONLINE COURSES CONTINUED...

SECTION	INSTRUCTOR	EMAIL
<b>MARKETING 125</b> 61069 (Online) 8/27/12-10/19/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>ADVERTISING AND PROMOTION</b> J. Russo Russo_John@sac.edu	<b>2 UNITS</b>
<b>MARKETING 126</b> 61070 (Online) 10/22/12-12/14/12. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>DISTRIBUTING PRODUCT &amp; SERVICE</b> M. Grant Grant_Madeline@sac.edu	<b>2 UNITS</b>
<b>MANUFACTURING 130A</b> 64137 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>CATIA SOLID MODELING I</b> J. Cole Cole_john@sac.edu	<b>3 UNITS</b>
<b>MANUFACTURING 130B</b> 64138 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>CATIA SOLID MODELING II</b> J. Cole Cole_john@sac.edu	<b>3 UNITS</b>
<b>MUSIC 101</b> 62606 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>MUSIC APPRECIATION</b> E. Jones Jones_Elliott@sac.edu	<b>3 UNITS</b>
<b>MUSIC 211</b> 62604 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>MUSIC HISTORY &amp; LITERATURE</b> E. Jones Jones_Elliott@sac.edu	<b>3 UNITS</b>
<b>NUTRITION 115</b> 63813 Online instruction plus on-campus mandatory orientation meeting: Wednesday, 9/29, 6:30p-8:30p, SAC I-101. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>NUTRITION</b> R. Higgins Higgins_Rita@sac.edu	<b>3 UNITS</b>
<b>OCCUPATIONAL THERAPY ASSISTANT 100</b> 62370 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>TERMINOLOGY AND DOCUMENTATION FOR THE O.T.A.</b> M. Parolise Parolise_Michelle@sac.edu	<b>1 UNIT</b>
<b>OCCUPATIONAL THERAPY ASSISTANT 101</b> 62375 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>FOUNDATION OF OCCUPATION AND OCCUPATIONAL THERAPY</b> S. Reeder Reeder_Shellie@sac.edu	<b>4 UNITS</b>
<b>OCCUPATIONAL THERAPY ASSISTANT 103</b> 62505 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>PHYSICAL FUNCTION AND DYSFUNCTION</b> Staff	<b>4 UNITS</b>
<b>OCCUPATIONAL THERAPY ASSISTANT 110</b> 62509 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>HUMAN OCCUPATION ACROSS LIFESPAN</b> M. Parolise Parolise_Michelle@sac.edu	<b>3 UNITS</b>
<b>OCCUPATIONAL THERAPY ASSISTANT 201</b> 63544 (Hybrid) Online instruction plus mandatory on-campus laboratory meetings: Saturdays, 9/8, 9/22, 9/29, 10/6, 10/13, 10/20, 10/27, 11/3, 11/10, 11/17, 12/1, & 12/8, 9:00am-12:00pm, SAC T-210. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>CONTEMPORARY MODELS OF OCCUPATIONAL THERAPY PRACTICE</b> M. Parolise Parolise_michelle@sac.edu	<b>4 UNITS</b>
<b>PARALEGAL 101</b> 64274 (Online) Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>LAW OFFICE MANAGEMENT</b> R. Manzano Manzano_Rick@sac.edu	<b>2 UNITS</b>
<b>PARALEGAL 121</b> 61113 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>ETHICS AND PROFESSIONAL RESPONSIBILITY</b> R. Manzano Manzano_Rick@sac.edu	<b>2 UNITS</b>
<b>PARALEGAL 138</b> 61103 (Hybrid) 10/25/12-12/13/12. Online instruction plus on campus meetings every Thursday, 6:00p-10:00p, SAC A-205. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>LAW OF BUSINESS ORGANIZATIONS</b> Staff	<b>2 UNITS</b>
<b>PARALEGAL 246</b> 61110 (Hybrid) 10/20-12/15 Hybrid instruction plus mandatory on-campus meetings every Sat., 8:00-11:00 am, SAC A-130, plus mandatory offsite meetings at Orange County Law Library every Saturday, 11:30a-5:30p plus online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>RESEARCH AND ANALYSIS</b> K. Lamarra Lamarra_Keith@sac.edu	<b>4 UNITS</b>
<b>PARALEGAL 298</b> 61114 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>THE PROFESSIONAL PARALEGAL</b> R. Manzano Manzano_Rick@sac.edu	<b>2 UNITS</b>
<b>PHARMACY TECHNOLOGY 048</b> 62647 (Hybrid) Online instruction plus mandatory on-campus meetings every other Saturday starting 9/1, 8:00a-10:05a, SAC H-201. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>INTRODUCTION TO PHARMACY TECHNOLOGY</b> J. Ross Jr Rossjr_John@sac.edu	<b>2 UNITS</b>

SECTION	INSTRUCTOR	EMAIL
<b>PHARMACY TECHNOLOGY 052</b> 62651 (Hybrid) Online instruction plus mandatory on-campus meetings every other Monday starting 8/27, 6:00p-9:45p, SAC H-205. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>BODY SYSTEMS II</b> H. Nguyen Nguyen_Hieu@sac.edu	<b>3.5 UNITS</b>
<b>PHARMACY TECHNOLOGY 054</b> 62654 (Hybrid) Online instruction plus mandatory on-campus meetings every other Saturday starting 9/1, 10:15p-12:20p, SAC H-201. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>PHARMACY CALCULATIONS</b> J. Ross Jr Rossjr_John@sac.edu	<b>2 UNITS</b>
<b>PHILOSOPHY 110</b> 61097 (Hybrid) Online instruction plus mandatory on-campus meetings. Mondays 8/27, 9/24, 10/29, 12/3, 5:00p-6:50p SAC D-105. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>CRITICAL THINKING</b> Z. Fish Fish_Zachary@sac.edu	<b>4 UNITS</b>
<b>POLITICAL SCIENCE 101</b> 61143 (Hybrid) Online instruction plus mandatory on-campus meetings. Thursdays, 8/30, 9/27, 11/1, 12/6, 5:30p-6:55p, SAC D-105. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>INTRODUCTION TO AMERICAN GOVERNMENT</b> T. Murphy Murphy_Tim@sac.edu	<b>3 UNITS</b>
<b>SOCIOLOGY 112</b> 61334 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>RELATIONSHIPS, MARRIAGES AND FAMILY DYNAMICS</b> Y. King King_Yesenia@sac.edu	<b>3 UNITS</b>
<b>SPANISH 101</b> 61347 (Hybrid) Online instruction plus mandatory on-campus meetings. Thursdays, 8/30, 9/20, 10/18, 11/8, 12/6, 7:00p-9:30p, SAC I-109. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>ELEMENTARY SPANISH I</b> J. Galvan Galvan_Javier@sac.edu	<b>5 UNITS</b>
<b>SPANISH 101</b> 61349 (Hybrid) Online instruction plus mandatory on-campus meetings. Mondays, 8/27, 9/17, 10/15, 11/5, 12/3, 4:30p-6:50p, SAC D-304. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>ELEMENTARY SPANISH I</b> J. Galvan Galvan_Javier@sac.edu	<b>5 UNITS</b>
<b>SPANISH 102</b> 61354 (Hybrid) Online instruction plus mandatory on-campus meetings. Tuesdays, 8/28, 9/18, 10/16, 11/13, 12/4, 4:30p-6:50p, SAC D-303. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>ELEMENTARY SPANISH II</b> M. Guerrero Guerrero_Martha@sac.edu	<b>5 UNITS</b>
<b>STUDY SKILLS 109</b> 63384 (Hybrid) Online instruction plus mandatory on-campus meetings: Mondays, 9:30a-10:55a, SAC I-101. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>COLLEGE LEARNING SKILLS</b> J. Coffman Coffman_Jodi@sac.edu	<b>3 UNITS</b>
<b>STUDY SKILLS 109</b> 63389 (Online) Mandatory orientation on Monday, 8/27, 12:00p-1:00p or Tuesday, 8/28, 6:00p-7:00p, SAC L-225. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>COLLEGE LEARNING SKILLS</b> J. Norwood Norwood_Joyce@sac.edu	<b>3 UNITS</b>
<b>THEATRE ARTS 100</b> 62626 (Online) Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.	<b>INTRODUCTION TO THEATRE (CAN DRAM 18)</b> V. Tivenan Tivenan_Valinda@sac.edu	<b>3 UNITS</b>
<b>THEATRE ARTS 133</b> 63053 (Online) Online instruction plus mandatory on campus arranged lab hours in P-100. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>STAGE LIGHTING</b> S. Small Small_Sean@sac.edu	<b>2 UNITS</b>
<b>THEATRE ARTS 165</b> 63052 (Online) Online instruction plus mandatory on campus arranged lab hours in P-100. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	<b>INTRODUCTION TO INTELLIGENT LIGHTING</b> V. Tivenan Tivenan_Valinda@sac.edu	<b>2 UNITS</b>

**Online Counseling Now Available!**  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)



# TELEVISION COURSES FOR FALL 2012

TV courses are identified in the full class listing by this symbol

## Viewing/Attendance and Exams

Students enrolling in the following courses will have the convenience of at-home viewing of television programs for college credit. Students may be required to come to Santa Ana College to take the designated examinations and/or other sessions as required by the instructor. An instructor will be available at the campus, by telephone or appointment, to discuss concerns or questions which may develop during the course. Textbooks for all telecourses will be available at the Santa Ana College Bookstore.

**Broadcast Schedules** are determined by the TV stations and are subject to change without notice. Some television courses are broadcast "over-the-air" on some cable channels. Most telecourse DVDs are available for purchase in the SAC bookstore or for checkout in the SAC and SCC libraries.

SECTION	TIME	DAYS	INSTRUCTOR	LOC./RM.	DATES
<b>GEOLOGY 101</b>	<b>INTRODUCTION TO GEOLOGY</b>				<b>3 UNITS</b>
61827		P. Hughes	Hughes_Phil@sac.edu		
Telecourse instruction plus optional on-campus review sessions: Thursdays, 9/6, 9/27, 10/18, 11/15, 12/6, 5:30p-6:30p, SAC R-111. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
<b>HISTORY 120</b>	<b>THE UNITED STATES TO 1865</b>				<b>3 UNITS</b>
61004		K. Guzman	Guzman_Kristen@sac.edu		
Telecourse instruction plus mandatory orientation Monday, 8/27, 5:00p-6:00p, SAC D-106 plus optional meetings: Mondays 9/10, 10/8, 11/5, 12/10, 5:00p-6:00p, SAC D-106. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
<b>HISTORY 121</b>	<b>THE UNITED STATES SINCE 1865</b>				<b>3 UNITS</b>
61009		G. Ghelfi	Ghelfi_Gerald@sac.edu		
Telecourse instruction plus optional on-campus review sessions: Mondays 8/27, 9/24, 10/15, 11/5, 11/26, 5:00p-6:00p, SAC D-107. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
<b>HUMAN DEVELOPMENT 107 CHILD GROWTH AND DEVELOPMENT</b>					<b>3 UNITS</b>
63780		J. Pugh	Pugh_James@sac.edu		
Telecourse instruction plus optional on-campus review sessions: Thursdays, 8/30, 5:30p-7:00p and 9/13, 10/4, 10/25, 11/15, 11/29, 6:00p-7:00p, SAC R-114. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					

## Course Information

During the two weeks prior to the beginning of the semester, students enrolled in telecourses will be emailed information on accessing course material online. Course orientation, meeting dates, time and location can be found at [www.sac.edu/disted](http://www.sac.edu/disted). Students without access to a computer and the Internet, can go to the Academic Computing Center located in SAC A-106 or contact the Distance Education Office for assistance. (SAC A-101 or 714-564-6725).

It is extremely important that your current address, phone number and email address is on file in the Admissions Office. Please contact the Distance Education Office, 714-564-6725, if you do not receive your information by August 27, 2012. Visit our website at [www.sac.edu/disted](http://www.sac.edu/disted).

SECTION	TIME	DAYS	INSTRUCTOR	LOC./RM.	DATES
<b>INTERDISCIPLINARY STUDIES 121 HUMANITIES THROUGH THE ARTS</b>					<b>3 UNITS</b>
62790		B. Kehlenbach	Kehlenbach_Brian@sac.edu		
Telecourse instruction plus optional on-campus review sessions: Tuesdays, 9/4, 9/18, 10/16, 11/13, 12/4, 5:00p-6:30p, SAC A-130. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
<b>PSYCHOLOGY 100</b>	<b>INTRODUCTION TO PSYCHOLOGY</b>				<b>3 UNITS</b>
61188		F. Ortiz	Ortiz_Fernando@sac.edu		
No on campus meetings. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information					
<b>SOCIOLOGY 100</b>	<b>INTRODUCTION TO SOCIOLOGY</b>				<b>3 UNITS</b>
61330		N. Rogers	Rogers_Neal@sac.edu		
Telecourse instruction plus optional on-campus orientation: Saturday 9/1, 9:00a-10:00a, SAC A-128, or Thursday, 9/6, 5:00p-6:00p, SAC A-130. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
<b>SOCIOLOGY 112</b>	<b>RELATIONSHIPS, MARRIAGES, AND FAMILY DYNAMICS</b>				<b>3 UNITS</b>
61335		N. Rogers	Rogers_Neal@sac.edu		
Telecourse instruction plus optional on-campus orientation Saturday 9/1, 10:00a-11:00a, SAC A-128, or Thursday, 9/6, 6:00p-7:00p, SAC A-130. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					

# FALL 2012 CLASSES

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>ACCOUNTING</b>					
<b>ACCOUNTING 010, ACCOUNTING PROCEDURES</b>					<b>3 UNITS</b>
<i>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 101/101H and/or occupations in bookkeeping.</i>					
61194	9:30a-10:55a	Tu Th	Gonzalez Del Rio R	SAC A-207	Full Semester
61199	7:00p-10:10p	M	Beck J	SAC A-207	Full Semester
<b>ACCOUNTING 032, PAYROLL ACCOUNTING</b>					<b>1 UNIT</b>
<i>This course covers accounting for payroll, and Worker's Compensation. Calculation of payroll, payroll taxes and the related forms and deposit requirements are covered.</i>					
61200	7:00p-9:20p	M	Staff	SAC A-228	10/22-12/10
<b>ACCOUNTING 035, QUICKBOOKS</b>					<b>2 UNITS</b>
<i>Preparation of accounting records for businesses using the QuickBooks software in the Windows environment. Topics include customer transactions, vendor transactions, bank reconciliations, reports, company file setup, and customization of QuickBooks.</i>					
61201			Shain S	SAC WEB	08/27-10/19
Section 61201 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. When registered, go to <a href="http://rscdd.blackboard.com">http://rscdd.blackboard.com</a> and make sure your current email is in personal information.					
61202			Shain S	SAC WEB	10/22-12/14
Section 61202 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. When registered, go to <a href="http://rscdd.blackboard.com">http://rscdd.blackboard.com</a> and make sure your current email is in personal information.					
61290	6:00p-10:20p	M	Staff	SAC A-228	08/27-10/15

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>ACCOUNTING 101, FINANCIAL ACCOUNTING</b>					<b>4 UNITS</b>
<i>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.</i>					
61158			Shain S	SAC WEB	Full Semester
Section 61158 Online instruction with three exams to be taken at the testing center. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. When registered, go to <a href="http://rscdd.blackboard.com">http://rscdd.blackboard.com</a> and make sure your current email is in personal information.					
61159			Staff	SAC HYBRID	Full Semester
	6:00p-9:00p	W	Staff	SAC A-209	
Section 61159 Hybrid class: the above course uses Blackboard and meets on campus every Wednesday from 6:00p- 9:00p during the semester with the first meeting on Aug 29th. Personal discipline to stay focused and complete online assignments is critical for success. For more information go to the instructor's website at <a href="http://www.sac.edu/facultystaff/homepages/jinheetrone">http://www.sac.edu/facultystaff/homepages/jinheetrone</a>					
61160	8:00a-10:05a	M W	Staff	SAC A-211	Full Semester
61171	8:00a-12:15p	Sa	Mitchell E	SAC A-209	Full Semester
61163	9:30a-11:35a	Tu Th	Trone J	SAC A-209	Full Semester
61161	10:15a-12:20p	M W	Shain S	SAC A-211	Full Semester
61165	12:30p-2:35p	M W	Shain S	SAC A-211	Full Semester
61167	6:00p-10:10p	Tu	Phung T	SAC A-211	Full Semester
61169	6:00p-10:15p	M	Mitchell E	SAC A-211	Full Semester



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------



## What's New in Accounting, Finance & Tax?

- Accounting 102 – **Managerial Accounting** – now ENTIRELY ONLINE (Section 61173)
- Accounting 113 – **Intermediate Income Taxes–Corporations** (formerly Acct 105)
- Accounting 114 – **Intermediate Income Taxes–Partnerships & LLCs** (formerly Acct 105)
- Accounting 124 – **Computerized Income Tax Prep** - now in 8 Weeks!
- Accounting 160 – **MAS 90** - now on Saturdays!
- Business 130 & 140 – **Personal and Corporate Finance** – ONLINE

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**ACCOUNTING 160, COMPUTERIZED ACCOUNTING WITH MAS 90 - PART 1 CORE MODULES** **3 UNITS**  
*Hands-on training in the use of MAS 90 integrated accounting software, covering setup and transaction processing for the three core modules: General Ledger, Accounts Payable and Accounts Receivable. Suggested preparation: Completion of a basic accounting course or practical accounting experience.*

**W** 61209 9:00a-12:10p Sa Gonzalez Del Rio R SAC A-228 Full Semester

**ACCOUNTING 170, MICROSOFT DYNAMICS FOR FINANCIAL ACCOUNTING - CORE MODULES** **4 UNITS**  
*Hands-on training in the use of Microsoft Dynamics integrated software, covering setup and transaction processing for the core modules of general ledger, accounts payable, and accounts receivable, and financial reporting for service businesses. Suggested preparation: completion of or current enrollment in Accounting 101.*

61210 6:00p-10:10p Th Phung T SAC A-108 Full Semester

## ANTHROPOLOGY

**ANTHROPOLOGY 100, INTRODUCTION TO CULTURAL ANTHROPOLOGY** **3 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.*

60514	9:00a-12:10p	F	Evans T	SAC D-401	Full Semester
60512	9:45a-11:10a	M W	Robertson M	SAC D-401	Full Semester
60511	11:30a-12:55p	Tu Th	Robertson M	SAC D-401	Full Semester
60515	7:00p-10:10p	M	Evans T	SAC D-401	Full Semester
60510	7:00p-10:10p	Th	Cundiff W	SAC D-401	Full Semester

**ANTHROPOLOGY 101, INTRODUCTION TO PHYSICAL ANTHROPOLOGY** **3 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.*

60516	9:45a-11:10a	Tu Th	Robertson M	SAC D-401	Full Semester
60519	11:30a-12:55p	M W	Robertson M	SAC D-401	Full Semester
60518	7:00p-10:10p	Tu	Cundiff W	SAC D-401	Full Semester

**ANTHROPOLOGY 101L, PHYSICAL ANTHROPOLOGY LABORATORY** **1 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 or concurrent enrollment.

60520	1:30p-4:40p	Th	Robertson M	SAC D-401	Full Semester
60521	1:30p-4:40p	W	Robertson M	SAC D-401	Full Semester
60522	7:00p-10:10p	W	Cundiff W	SAC D-401	Full Semester

**ANTHROPOLOGY 104, LANGUAGE AND CULTURE** **3 UNITS**  
*General introduction to the processes of human communication. Includes the relationship between language and culture, acquisition of first and second languages, languages in contact, sociolinguistics and the effects of both language and culture on inter/intra group communication. Languages spoken in the local area are used as basis of study. (Same as English 104.)*

60523 8:00a-9:25a Tu Th Jaros B SAC D-208 Full Semester

**ANTHROPOLOGY 105, ANCIENT MESOAMERICAN CIVILIZATION** **3 UNITS**  
*An archeological and ethnohistorical survey of the origin and development of pre-Columbian civilizations in ancient Mesoamerica from Paleo-Indian times to the Spanish conquest. (Same as History 105.)*

60524 7:00p-10:10p Tu Veyna A SAC D-212 Full Semester

## 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

60854	9:00a-12:20p	F	Crabb P	SAC C-105	Full Semester
60855	5:00p-6:30p	Tu Th	Orr E	SAC C-210	Full Semester
60856	5:00p-6:30p	M W	Orr E	SAC C-210	Full Semester

**ART 100, INTRODUCTION TO ART CONCEPTS** **3 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.*

**W** 60857 Brown S SAC WEB Full Semester  
 Section 60857 Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.  
 Log in to BLACKBOARD first week of class.

**ACCOUNTING 102, MANAGERIAL ACCOUNTING** **4 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.

**W** 61173 Trone J SAC WEB Full Semester  
 Section 61173 Online instruction with mandatory in-person orientation on August 28th from 5:30p-7:30p plus (3) exams to be taken on campus. Personal discipline to stay focused and complete online assignments is critical for success. For more information, go to the instructor's website at <http://www.sac.edu/facultystaff/homepages/jinheetrone>

61177	11:45a-1:50p	Tu Th	Trone J	SAC A-209	Full Semester
61178	1:00p-5:15p	Sa	Mitchell E	SAC A-209	Full Semester
61175	6:00p-10:10p	W	Mitchell E	SAC A-211	Full Semester

**ACCOUNTING 104, FEDERAL AND CALIFORNIA TAXES** **4 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.*

**W** 61204 Trone J SAC WEB Full Semester  
 Section 61204 Online instruction. This is a CTEC-approved course and uses Blackboard for the entire course delivery. Personal discipline to stay focused and sufficient knowledge of the online class environment is critical for success. For more information, go to the instructor's website at <http://www.sac.edu/facultystaff/homepages/jinheetrone>

61203 6:00p-10:10p Tu Matheny R SAC A-209 Full Semester

**ACCOUNTING 113, INTERMEDIATE INCOME TAXES - CORPORATIONS** **2 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. This course qualifies for continuing education.*

61205 6:00p-10:10p W Siebert P SAC A-222 08/29-10/17  
 Please note: Accounting 113 & 114 are the same as Accounting 105.

**ACCOUNTING 114, INTERMEDIATE INCOME TAXES - PARTNERSHIP AND LLCs** **2 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. This course qualifies for continuing education.*

61206 6:00p-10:10p W Siebert P SAC A-222 10/24-12/12  
 Please note: Accounting 113 & 114 are the same as Accounting 105.

**ACCOUNTING 124, COMPUTERIZED INCOME TAX PREPARATION** **1 UNIT**

*This courses provides a student with the practical knowledge of income tax preparation, tax planning and income tax research, using commercial Tax software.*



61208	6:00p-8:05p	Tu	Staff	SAC A-222	10/23-12/11
64135	6:00p-8:05p	Tu	Staff	SAC A-222	08/28-10/16

## FIRST CLASS MEETING


Make sure you attend the first class meeting!

Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
 60858			Brown S	SAC WEB	Full Semester
Section 60858 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Log in to BLACKBOARD first week of class.					
60859	8:00a-9:25a	M W	Faseler S	SAC C-104	Full Semester
60860	8:00a-9:25a	Tu Th	Redfield M	SAC C-104	Full Semester
60882	9:30a-10:55a	M W	Faseler S	SAC C-104	Full Semester
60883	11:00a-12:25p	Tu Th	Redfield M	SAC C-104	Full Semester
60884	12:30p-1:55p	M W	Marquez P	SAC C-104	Full Semester
60890	1:00p-2:25p	Tu Th	Faseler S	SAC C-104	Full Semester
 60910	6:00p-10:05p	F	Redfield M	SAC C-104	09/14-10/20
	12:30p-4:35p	Sa	Redfield M	SAC C-104	
60912	6:30p-9:40p	M	Soriano I	SAC C-104	Full Semester

**ART 101, SURVEY OF WESTERN ART HISTORY I: PREHISTORY THROUGH THE MIDDLE AGES** **3 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.

60913	6:30p-9:40p	Th	Soriano I	SAC C-207	Full Semester
-------	-------------	----	-----------	-----------	---------------

**ART 102, SURVEY OF WESTERN ART HISTORY II: RENAISSANCE THROUGH THE TWENTIETH CENTURY** **3 UNITS**

The study of Western art history from the Renaissance through the 20th century. 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.

60914	9:30a-10:55a	Tu Th	Soriano I	SAC C-207	Full Semester
-------	--------------	-------	-----------	-----------	---------------

**ART 104, MEXICAN AND CHICANO ART HISTORY** **3 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.

60915	9:30a-10:55a	M W	Soriano I	SAC A-130	Full Semester
60962	11:00a-12:25p	Tu Th	Soriano I	SAC C-213	Full Semester
60963	6:30p-9:40p	W	Soriano I	SAC C-104	Full Semester

**ART 105, HISTORY OF MODERN ART** **3 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.

60964	6:30p-9:40p	Tu	Marquez P	SAC C-213	Full Semester
-------	-------------	----	-----------	-----------	---------------

**ART 106, ASIAN ART HISTORY** **3 UNITS**

Historical survey of the visual arts of China, Japan, India and Southeast Asia. Includes relationship of Far Eastern philosophy and culture to artistic achievement. Emphasizes works of art, in terms of style, technique and content.

60971	9:30a-12:40p	F	Doyle D	SAC C-213	Full Semester
-------	--------------	---	---------	-----------	---------------

**ART 110, TWO-DIMENSIONAL DESIGN** **3 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.

60972	6:30p-7:20p	M W	Hostetter D	SAC C-208	Full Semester
	7:30p-9:40p	M W	Hostetter D	SAC C-208	

**ART 111, THREE-DIMENSIONAL DESIGN** **3 UNITS**

Fundamentals of visual organization as applied to objects in-the-round. Visual space problems, structure and dimensional terminology through creative projects in various media. Required for art majors.

60976	9:30a-10:20a	Tu Th	Gillette L	SAC C-106	Full Semester
	10:30a-12:40p	Tu Th	Gillette L	SAC C-106	

**ART 122, GRAPHIC DESIGN I** **3 UNITS**


Introduction to basic graphic design concepts, techniques and practices resulting in the production of effective visual communications. Projects combine text with images, using current industry standards and technology in print media and other design applications. Art 110, 162, 191A, and 192A recommended.

Prerequisite: Art 195.

**Material Fee(s): \$15**

60978	6:30p-7:20p	M W	Staff	SAC A-219	Full Semester
	7:30p-9:40p	M W	Staff	SAC A-219	

**ART 124, GALLERY PRODUCTION** **2 UNITS**

 Instruction in preparation and installation of art exhibits, gallery management, and working on a museum exhibition staff. Includes lectures, visits to artists' studios, and opportunities to work on art shows in two college galleries. Field trips include visits to local galleries and behind-the-scenes museum tours of collections and exhibition preparation areas.

Open Entry / Open Exit

60989	TBA		Marquez P	SAC C-101	Full Semester
Section 60989 Orientation meeting 8/29, 3:00p-4:00p C-101. Course content and arranged hours TBD. Call Art Gallery Office 714-564-5615 for info.					

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>ART 130, INTRODUCTION TO DRAWING</b> <b>3 UNITS</b>					
Introductory course in expressive drawing, exploring line, form, composition, and a variety of media. Drawing from man-made objects and natural forms. Required for art majors.					
61034	9:30a-10:20a	Tu Th	Genoway K	SAC C-210	Full Semester
	10:30a-12:40p	Tu Th	Genoway K	SAC C-210	
61036	1:00p-1:55p	Tu Th	Herberg M	SAC C-210	Full Semester
	2:00p-4:10p	Tu Th	Herberg M	SAC C-210	
61038	2:00p-2:55p	M W	Huxley D	SAC C-208	Full Semester
	3:00p-5:10p	M W	Huxley D	SAC C-208	
61042	6:30p-7:20p	Tu Th	Hower T	SAC C-210	Full Semester
	7:30p-9:40p	Tu Th	Hower T	SAC C-210	

**ART 131, BEGINNING LIFE DRAWING** **3 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. Art 130 recommended.

61056	9:00a-9:55a	M W	Du Plessis D	SAC C-210	Full Semester
	10:00a-12:10p	M W	Du Plessis D	SAC C-210	

**ART 140A, WATERCOLOR PAINTING** **2 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.

61257	12:45p-1:50p	Tu	Orr E	SAC C-208	Full Semester
	2:00p-4:55p	Tu	Orr E	SAC C-208	

**ART 140B, WATERCOLOR PAINTING** **2 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.

61410	12:45p-1:50p	Tu	Orr E	SAC C-208	Full Semester
	2:00p-4:55p	Tu	Orr E	SAC C-208	

**ART 141, BEGINNING PAINTING** **3 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. Art 110 and 130 recommended.

61412	1:45p-2:40p	M W	Orr E	SAC C-210	Full Semester
	2:45p-4:55p	M W	Orr E	SAC C-210	
61413	6:35p-7:25p	M W	Orr E	SAC C-210	Full Semester
	7:30p-9:40p	M W	Orr E	SAC C-210	

**ART 143, LANDSCAPE WATERCOLOR** **2 UNITS**

Intermediate course in transparent watercolor using the Southern California landscape as studio and subject for paintings. Explores variety of techniques, papers, brushes, pigments. Further study of compositional/conceptual elements leading to development of individual expression. Prerequisite: Art 140A.

61416	12:45p-1:50p	Tu	Orr E	SAC C-208	Full Semester
	2:00p-4:55p	Tu	Orr E	SAC C-208	

**ART 151, CERAMICS-INTRODUCTORY LEVEL** **3 UNITS**

Exploration of clay as a structural and creative material. Experiences include throwing on the potter's wheel and hand building. Instruction includes surface design, glazing, and experience in utilitarian forms. Students provide clay and tools.

**Material Fee(s): \$8**

61418	9:00a-9:55a	M W	Crabb P	SAC C-105	Full Semester
	10:00a-12:10p	M W	Crabb P	SAC C-105	
61448	1:00p-1:55p	M W	Crabb P	SAC C-105	Full Semester
	2:00p-4:10p	M W	Crabb P	SAC C-105	
61449	7:00p-7:55p	Tu Th	Crabb P	SAC C-105	Full Semester
	8:00p-10:10p	Tu Th	Crabb P	SAC C-105	

**ART 152, CERAMICS-INTERMEDIATE THROWING** **3 UNITS**

Further study of wheel thrown techniques, with an emphasis on functional, utilitarian forms. Students provide own clay and tools.

Prerequisite: Art 151.

**Material Fee(s): \$8**

61483	9:00a-9:55a	M W	Crabb P	SAC C-105	Full Semester
	10:00a-12:10p	M W	Crabb P	SAC C-105	

**ART 153, CERAMICS-INTERMEDIATE HANDBUILDING** **3 UNITS**

Further study of handbuilding techniques, with emphasis on one-of-a-kind sculptural forms. Non-traditional alternatives to glazes are explored. Students provide own clay and tools.

Prerequisite: Art 151.

**Material Fee(s): \$8**

61487	7:00p-7:55p	Tu Th	Crabb P	SAC C-105	Full Semester
	8:00p-10:10p	Tu Th	Crabb P	SAC C-105	

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>ART 162, DIGITAL DESIGN WITH PHOTOSHOP-I</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>An introduction to using Photoshop for Web, print, CD, and 3D. Instruction in capturing, manipulating, and outputting images. Focus on basic skills and techniques for editing and enhancing photographs, manipulating scanned images and creating digital graphics. Application of technology skills using design to create digital composites.</i>					
Prerequisite: Art 195 or portfolio approval.					
<b>Material Fee(s): \$15</b>					
61489	6:30p-7:20p	MW	Brown S	DMC-104	Full Semester
	7:30p-9:40p	MW	Brown S	DMC-104	
<b>ART 185, FUNDAMENTALS OF CARTOONING AND STORYBOARDING</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Introduction to basic cartooning, character development and storyboarding as used in television, film and electronic games. Includes sketching, inking, the development of characters, storyboard development and an overview of cartoon and storyboard history.</i>					
61514	9:00a-10:25a	F	Sivertsen K	SAC C-207	Full Semester
	10:30a-12:10p	F	Sivertsen K	SAC C-207	
1.5 hours per week arranged					
<b>ART 191A, DIGITAL PUBLISHING WITH INDESIGN</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>An introduction to digital publishing and page layouts, including experience in design and development of single and multiple page documents. Also includes advanced technique in complex documents and web-ready pages using the InDesign software.</i>					
Prerequisite: Art 195.					
<b>Material Fee(s): \$10</b>					
61517	6:30p-7:20p	Tu Th	Nielsen C	DMC-104	Full Semester
	7:30p-9:40p	Tu Th	Nielsen C	DMC-104	
<b>ART 195, INTRODUCTION TO DIGITAL MEDIA ARTS</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Introduction to digital media arts for artists, photographers, Web designers, programmers, and animation artists. Includes an overview of Photoshop, Illustrator, InDesign, digital graphics terminology, careers, market applications and design components. Work in computer lab with scanners, printers, CD ROM's and the Web.</i>					
<b>Material Fee(s): \$15</b>					
61518	9:00a-11:05a	M	Gomez-Holbrook A	DMC-104	Full Semester
	9:00a-9:55a	W	Gomez-Holbrook A	DMC-104	
	10:00a-11:05a	W	Gomez-Holbrook A	DMC-104	
61520	9:00a-11:05a	Tu	Baitoo H	SAC A-219	Full Semester
	9:00a-9:55a	Th	Baitoo H	SAC A-219	
	10:00a-11:05a	Th	Baitoo H	SAC A-219	
61522	9:00a-12:10p	F	Gomez-Holbrook A	SAC A-219	Full Semester
	12:15p-1:05p	F	Gomez-Holbrook A	SAC A-219	
61524	3:00p-5:05p	Tu	Nielsen C	DMC-104	Full Semester
	3:00p-3:55p	Th	Nielsen C	DMC-104	
	4:00p-5:05p	Th	Nielsen C	DMC-104	
63365	3:30p-5:30p	M	Brown S	DMC-104	Full Semester
	3:30p-4:25p	W	Brown S	DMC-104	
	4:30p-5:30p	W	Brown S	DMC-104	
W 61530	6:30p-7:25p	F	Caterina A	SAC A-219	Full Semester
	7:30p-10:25p	F	Caterina A	SAC A-219	
<b>ART 196A, 3-D MODELING</b> <span style="float: right;"><b>5 UNITS</b></span>					
<i>Instruction in digital 3D modeling using 3D Studio Max from introductory to high-intermediate level. Course includes orientation to the software interface, lectures and tutorials on how to build objects using primitives, modifiers, polygonal and Spline modeling methods. Emphasis on practical application in games, architecture, and film. (Same as Television/Video Communications 181.)</i>					
Prerequisite: Art 195.					
61532	1:00p-4:00p	M	Waterman P	SAC A-223	Full Semester
	4:05p-6:10p	M	Waterman P	SAC A-223	
	2:00p-6:10p	W		SAC A-223	
64285	5:00p-7:50p	Tu	Waterman P	SAC A-223	Full Semester
	8:00p-10:10p	Tu	Waterman P	SAC A-223	
4 hours per week arranged					
<b>ART 221, GRAPHIC DESIGN II</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Intermediate level study of concepts in graphic design to assist the artist/designer in formulating aesthetic and purposeful visual communications, from roughs through finished art. Creative development of solutions to problems in common print media and other design applications. Explores the combination of images and text, using hand skills, digital technology and current graphics industry standards and practices.</i>					
Prerequisite: Art 122.					
<b>Material Fee(s): \$15</b>					
61545	6:30p-7:20p	MW	Staff	SAC A-219	Full Semester
	7:30p-9:40p	MW	Staff	SAC A-219	

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>ART 230, INTERMEDIATE DRAWING</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Continued study in drawing with additional opportunities in graphic expression. Further exploration of media, including colored pencils, oil pastel, charcoal and mixed media. Continuation of composition concepts with emphasis on individual expression.</i>					
Prerequisite: Art 130.					
61549	9:30a-10:20a	Tu Th	Genoway K	SAC C-210	Full Semester
	10:30a-12:40p	Tu Th	Genoway K	SAC C-210	
61552	1:00p-1:55p	Tu Th	Herberg M	SAC C-210	Full Semester
	2:00p-4:10p	Tu Th	Herberg M	SAC C-210	
61553	2:00p-2:55p	MW	Huxley D	SAC C-208	Full Semester
	3:00p-5:10p	MW	Huxley D	SAC C-208	
61555	6:30p-7:20p	Tu Th	Hower T	SAC C-210	Full Semester
	7:30p-9:40p	Tu Th	Hower T	SAC C-210	
<b>ART 231, INTERMEDIATE LIFE DRAWING</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Continued experience in drawing from the live model with opportunity for development of self-expression. Further exploration of media and techniques. Projects vary each semester.</i>					
Prerequisite: Art 131.					
61670	9:00a-9:55a	MW	Du Plessis D	SAC C-210	Full Semester
	10:00a-12:10p	MW	Du Plessis D	SAC C-210	
<b>ART 232, ADVANCED LIFE DRAWING</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Intensive study of the figure with further development of drawing skills, composition, techniques and media utilizing the live model. Projects vary each semester.</i>					
Prerequisite: Art 231.					
61569	9:00a-9:55a	MW	Du Plessis D	SAC C-210	Full Semester
	10:00a-12:10p	MW	Du Plessis D	SAC C-210	
<b>ART 233, ADVANCED DRAWING</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>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. Field trips to artists' studios, and museums.</i>					
Prerequisite: Art 230 or portfolio review.					
61683	9:30a-10:20a	Tu Th	Genoway K	SAC C-210	Full Semester
	10:30a-12:40p	Tu Th	Genoway K	SAC C-210	
61576	1:00p-1:55p	Tu Th	Herberg M	SAC C-210	Full Semester
	2:00p-4:10p	Tu Th	Herberg M	SAC C-210	
61581	2:00p-2:55p	MW	Huxley D	SAC C-208	Full Semester
	3:00p-5:10p	MW	Huxley D	SAC C-208	
61582	6:30p-7:20p	Tu Th	Hower T	SAC C-210	Full Semester
	7:30p-9:40p	Tu Th	Hower T	SAC C-210	
<b>ART 234, INTRODUCTION TO MIXED MEDIA</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Introduction to the use of mixed media. Collage, bookworks, assemblage will be explored through a series of studio projects. Visitations to studios and galleries.</i>					
Prerequisite: Art 110 or 130.					
61583	9:30a-10:20a	Tu Th	Gillette L	SAC C-106	Full Semester
	10:30a-11:55a	Tu Th	Gillette L	SAC C-106	
<b>ART 240, INTERMEDIATE WATERCOLOR</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>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.</i>					
Prerequisite: Art 140B.					
61596	12:45p-1:50p	Tu	Orr E	SAC C-208	Full Semester
	2:00p-4:55p	Tu	Orr E	SAC C-208	
<b>ART 241, INTERMEDIATE PAINTING</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>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.</i>					
Prerequisite: Art 141.					
61619	1:45p-2:40p	MW	Orr E	SAC C-210	Full Semester
	2:45p-4:55p	MW	Orr E	SAC C-210	
61623	6:35p-7:20p	MW	Orr E	SAC C-210	Full Semester
	7:30p-9:40p	MW	Orr E	SAC C-210	
<b>ART 242, ADVANCED PAINTING</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>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.</i>					
Prerequisite: Art 241.					
61624	1:45p-2:40p	MW	Orr E	SAC C-210	Full Semester
	2:45p-4:55p	MW	Orr E	SAC C-210	
61625	6:35p-7:25p	MW	Dildine J	SAC C-210	Full Semester
	7:30p-9:40p	MW	Dildine J	SAC C-210	

**Academic Planning Questions?**  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>ART 250, ADVANCED STUDIO CONCEPTS</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Intensive study in visual arts for majors with studio emphasis. Exposure to contemporary art directions, trends and job markets. Different studio problems each semester.</i>					
64303	12:45p-1:50p	Tu	Orr E	SAC C-208	Full Semester
	2:00p-4:55p	Tu	Orr E	SAC C-208	
2 hours per week arranged.					
61664	1:45p-2:40p	MW	Orr E	SAC C-210	Full Semester
	2:45p-4:55p	MW	Orr E	SAC C-210	
61667	6:35p-7:25p	MW	Orr E	SAC C-210	Full Semester
	7:30p-9:40p	MW	Orr E	SAC C-210	

## ASTRONOMY

**ASTRONOMY 109, INTRODUCTION TO THE SOLAR SYSTEM** **3 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.*

61456	11:10a-12:35p	MW	Eastmond T	SAC R-128	Full Semester
61502	1:00p-2:25p	TuTh	Eastmond T	SAC R-124	Full Semester

**ASTRONOMY 110, INTRODUCTION TO STARS AND GALAXIES** **3 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 structures and changes.*

61471	1:15p-4:25p	W	Staff	SAC R-318	Full Semester
61468	7:00p-10:10p	W	Staff	SAC R-128	Full Semester

**ASTRONOMY 140, ASTRONOMY LABORATORY** **1 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 or concurrent enrollment.

61473	1:15p-4:25p	Tu	Budarz T	SAC R-328	Full Semester
-------	-------------	----	----------	-----------	---------------

## AUTOMOTIVE TECHNOLOGY

**AUTOMOTIVE TECHNOLOGY 002, ESSENTIALS** **3 UNITS**  
*Intended for automotive majors. Introduction to basic practical applications of technology required for advanced-level courses. Theory, parts nomenclature, and description of systems are emphasized.*

63844	9:00a-12:10p	F	Wilkes D	SAC J-115	Full Semester
63842	5:00p-6:25p	MW	Serrano, Jr. M	SAC J-115	Full Semester

**AUTOMOTIVE TECHNOLOGY 006, AUTOMOTIVE MAINTENANCE** **4 UNITS**  
*Introduces basic maintenance procedures in the areas of engines, drive lines, and electrical systems. This course is recommended for consumers and students interested in entering the automotive repair field. Students furnish hand tools and safety equipment.*

63845	12:30p-4:05p	MW	Wilkes D	SAC J-115	Full Semester
-------	--------------	----	----------	-----------	---------------

**AUTOMOTIVE TECHNOLOGY 008, OXYACETYLENE-ARC WELDING** **3 UNITS**  
*Technical knowledge and basic skills needed for occupational oxyacetylene and arc welding processes and applications. Students must furnish safety equipment. (Same as Diesel 008 and Welding 008.)*

63750	8:30a-12:10p	TuTh	Moreno G	SAC K-101	Full Semester
63755	6:00p-9:40p	TuTh	Moreno G	SAC K-101	Full Semester

**AUTOMOTIVE TECHNOLOGY 022, ELECTRONICS FUNDAMENTALS** **5 UNITS**  
*Introduction to the basic operating principles of electrical and electronic devices used in motor vehicles. Suggested preparation: Automotive Technology 002 or 006. (Same as Diesel 022.)*

63850	6:30p-10:35p	TuTh	Hammonds E	SAC J-102	Full Semester
-------	--------------	------	------------	-----------	---------------

**AUTOMOTIVE TECHNOLOGY 032, TUNE-UP** **5 UNITS**  
*Tune-up procedures, including fuel, ignition, oscilloscope, emission control, and computer systems. Students furnish hand tools and safety equipment. Suggested preparation: Automotive Technology 002 or 006.*

63852	6:30p-10:35p	MW	Wilkes D	SAC J-102	Full Semester
-------	--------------	----	----------	-----------	---------------

**AUTOMOTIVE TECHNOLOGY 053, BRAKES** **4.5 UNITS**  
*Theory of operation, diagnosis and service of drum, disc and anti-lock brake systems. Students must furnish hand tools and safety equipment. Suggested preparation: Automotive Technology 002 or 006.*

63855	6:30p-10:40p	MW	Serrano, Jr. M	SAC J-115	Full Semester
-------	--------------	----	----------------	-----------	---------------

**AUTOMOTIVE TECHNOLOGY 054, FRONT ENDS** **4.5 UNITS**  
*Designed to instruct the student in the operation and service of the following: steering, suspension systems and wheel alignment procedures. Suggested preparation: Automotive Technology 002 or 006.*

63856	8:15a-12:20p	TuTh	Serrano, Jr. M	SAC J-115	Full Semester
-------	--------------	------	----------------	-----------	---------------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>AUTOMOTIVE TECHNOLOGY 076, ENGINE REPAIR</b> <span style="float: right;"><b>4.5 UNITS</b></span>					
<i>This course deals with teardown, assembly, and repair of modern automotive engines. Students furnish hand tools and safety equipment. Suggested preparation: Automotive Technology 002 or 006 (may be taken concurrently).</i>					
63857	8:00a-11:55a	MW	Hammonds E	SAC J-102	Full Semester

**AUTOMOTIVE TECHNOLOGY 083, AUTOMOTIVE LAB SCOPES** **3 UNITS**  
*This course covers the use of automotive lab scopes for analyzing modern vehicles. Test procedures will be emphasized. Suggested preparation: Automotive Technology 002 or 006 and 032 or one year tune-up related trade experience. The use of San Tools will also be covered.*

63861	5:00p-6:25p	TuTh	Hammonds E	SAC J-102	Full Semester
-------	-------------	------	------------	-----------	---------------

**AUTOMOTIVE TECHNOLOGY 086, ADVANCED CLEAN AIR CAR COURSE** **2 UNITS**  
*This is a Bureau of Automotive Repair certified course. It is designed to provide advanced diagnostic training for smog licensed technicians. This course is required before taking the Smog License Renewal or initial smog exam. Suggested preparation: Automotive Technology 032 or a California Smog License.*

63863	6:00p-10:15p	F	Wilkes D	SAC J-102	08/31-10/19
-------	--------------	---	----------	-----------	-------------

## BANKING

**BANKING 010, TELLER TRAINING FOR FINANCIAL INSTITUTIONS** **2 UNITS**  
*Course provides prospective bank employees with a broad overview of financial institutions and basic knowledge of teller techniques including bank transactions and customer service.*

61212	9:00a-2:50p	Sa	Trabant T	SAC A-207	09/01-10/06
61213	9:00a-2:50p	Sa	Trabant T	SAC A-207	10/27-12/08

## BIOLOGY

**BIOLOGY 109, FUNDAMENTALS OF BIOLOGY** **3 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.*

61494			Rourke M	SAC WEB	Full Semester
Section 61494 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor the first week of class (rourke_michael@sac.edu).					

61496			Mansfield P	SAC WEB	Full Semester
Section 61496 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor the first week of class (mansfield_patricia@sac.edu).					

61474	8:00a-9:25a	MW	Lopez J	SAC R-124	Full Semester
61491	9:00a-12:10p	Sa	Takahashi M	SAC R-128	Full Semester

Section 61491 combines weekly mandatory on-campus meetings every Sat, 9:00a-12:10p, SAC R-128, plus online instruction using Camtasia or other software.

61476	9:15a-10:40a	MW	Goldmann D	SAC R-128	Full Semester
61479	12:15p-3:25p	F	Nguyen P	SAC R-124	Full Semester
61480	1:15p-4:25p	Tu	Morris A	SAC R-128	Full Semester
61477	7:00p-10:10p	M	Goldmann D	SAC R-124	Full Semester

**BIOLOGY 109H, HONORS FUNDAMENTALS OF BIOLOGY** **3 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 high school or college GPA of 3.0 or above.

61531	3:15p-4:40p	TuTh	Lopez J	SAC I-204	Full Semester
-------	-------------	------	---------	-----------	---------------

**BIOLOGY 109L, FUNDAMENTALS OF BIOLOGY LABORATORY** **1 UNIT**  
*Laboratory experiments to identify and illustrate significant organisms and their structures. Emphasis is placed on the relationship of all organisms from an anatomical, physiological, and ecological framework. Content correlates to Biology 109/109H lecture material.*  
 Prerequisite: Biology 109/109H or concurrent enrollment.

61630	8:00a-11:10a	F	Boyd D	SAC R-202	Full Semester
61540	10:00a-1:10p	Tu	Staff	SAC R-202	Full Semester
61534	10:00a-1:10p	M	Lopez J	SAC R-202	Full Semester
61550	11:00a-2:10p	Th	Staff	SAC R-202	Full Semester
61633	11:00a-2:10p	W	Staff	SAC R-202	Full Semester
61631	12:30p-3:40p	Sa	Staff	SAC R-202	Full Semester
61538	2:30p-5:40p	M	Staff	SAC R-202	Full Semester
61542	3:00p-6:10p	Tu	Patel D	SAC R-202	Full Semester
61547	7:00p-10:10p	Tu	Staff	SAC R-202	Full Semester
61629	7:00p-10:10p	Th	Shimano B	SAC R-202	Full Semester
61628	7:00p-10:10p	W	Sharar E	SAC R-202	Full Semester



## ALL BIOLOGY CLASSES FIRST CLASS MEETING

Students who do not attend the FIRST LABORATORY session may be DROPPED from the roll sheet. A new lab manual is required for the first laboratory session.

### BIOLOGY 139, HEALTH MICROBIOLOGY 4 UNITS

*Presents practical and theoretical aspects of medical microbiology to meet the needs of those in allied health professions. Provides basic knowledge of the microbial world by covering diversity, structure, metabolic and genetic characteristics, cultivation and control. Emphasis is placed on human-microbe interactions especially infectious diseases. Laboratory deals with identification, growth, and control of microorganisms. Prior completion of Biology 109 or 149 recommended.*

**Material Fee(s): \$15**

61634	5:00p-6:25p	Tu Th	Oertel P	SAC R-128	Full Semester
	11:30a-1:35p	Tu Th	Oertel P	SAC R-226	
61635	5:00p-6:25p	Tu Th	Oertel P	SAC R-128	Full Semester
	2:00p-4:05p	Tu Th	Oertel P	SAC R-226	
61636	5:00p-6:25p	Tu Th	Oertel P	SAC R-128	Full Semester
	6:45p-8:50p	Tu Th	Oertel P	SAC R-226	

### BIOLOGY 149, HUMAN ANATOMY AND PHYSIOLOGY 4 UNITS

*Human anatomy and physiology stressing the interrelationships between normal structure and function. Designed for students in the allied health sciences, particularly those desiring the two-year RN degree. May not meet requirements for physical education or BSN majors.*

61638	6:15p-9:25p	Tu	Hampton J	SAC R-124	Full Semester
	9:00a-12:10p	Th	Patel D	SAC R-201	
61640	6:15p-9:25p	Tu	Hampton J	SAC R-124	Full Semester
	7:00p-10:10p	Th	Botkin M	SAC R-201	

### BIOLOGY 200, ENVIRONMENT OF MAN 3 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 Environmental Studies 200 and Science 200.)*

61643	10:00a-1:10p	Th	Morris A	SAC R-228	Full Semester
-------	--------------	----	----------	-----------	---------------

### BIOLOGY 211, CELLULAR AND MOLECULAR BIOLOGY 5 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. Prior completion of Chemistry 119 or 209 or equivalent recommended.*

Prerequisite: Mathematics 080 or 081 with a grade of C or better.

61653	8:00a-9:25a	Tu Th	Lopez J	SAC I-204	Full Semester
	9:45a-12:55p	Tu Th	Lopez J	SAC R-219	
61648	4:30p-5:55p	Tu Th	Beltran J	SAC R-124	Full Semester
	6:15p-9:25p	Tu Th	Beltran J	SAC R-219	
61651	4:30p-5:55p	Tu Th	Beltran J	SAC R-124	Full Semester
	1:15p-4:25p	Tu Th	Staff	SAC R-219	

### BIOLOGY 212, ANIMAL DIVERSITY AND ECOLOGY 5 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 grade of C or better.

61657	12:00p-1:25p	M W	Morris A	SAC I-204	Full Semester
	1:40p-4:50p	M W	Morris A	SAC R-228	

### BIOLOGY 217, PATHOPHYSIOLOGY 2 UNITS

*Covers dynamic aspects of human disease. Links sciences of anatomy, physiology and biochemistry with their application to clinical practice for health professionals.*

Prerequisite: Biology 149, 239 or 249.

61659	1:00p-3:05p	W	Hampton J	SAC R-201	Full Semester
-------	-------------	---	-----------	-----------	---------------

### BIOLOGY 229, GENERAL MICROBIOLOGY 5 UNITS

*Introduction to microorganisms, their classification, structure, biochemistry, growth, control and their 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 Chemistry 119 or 209.

**Material Fee(s): \$20**

61660	1:00p-2:25p	M W	Takahashi M	SAC R-128	Full Semester
	3:00p-6:10p	M W	Morales D	SAC R-226	
61661	1:00p-2:25p	M W	Takahashi M	SAC R-128	Full Semester
	9:00a-12:10p	M W	Takahashi M	SAC R-226	
61662	1:00p-2:25p	M W	Takahashi M	SAC R-128	Full Semester
	6:30p-9:40p	M W	Takahashi M	SAC R-226	

### BIOLOGY 239, GENERAL HUMAN ANATOMY 4 UNITS

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

H W	61710	3:00p-6:10p	F	Mansfield P Johnson R	SAC HYBRID Full Semester SAC R-201
					Section 61710 will specifically utilize cadaver demonstration/dissection instead of cats. Online instruction plus mandatory on campus weekly lab meetings every Fri, 3:00p-6:10p, SAC R-201. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (mansfield_patricia@sac.edu).
	61700	10:00a-11:25a	M W	Hampton J	SAC R-124 Full Semester
		1:00p-4:10p	M	Hampton J	SAC R-201
	61703	10:00a-11:25a	M W	Hampton J	SAC R-124 Full Semester
		4:30p-7:40p	M	Botkin M	SAC R-201
	61706	10:00a-11:25a	M W	Hampton J	SAC R-124 Full Semester
		1:00p-4:10p	Tu	Hampton J	SAC R-201
	61707	10:00a-11:25a	M W	Hampton J	SAC R-124 Full Semester
		9:00a-12:10p	F	Johnson R	SAC R-201
					Section 61707 will specifically utilize cadaver demonstration/dissection instead of cats.
	61705	10:00a-11:25a	M W	Hampton J	SAC R-124 Full Semester
		9:00a-12:10p	Tu	Patel D	SAC R-201
W	61708	12:00p-3:10p	Sa	Staff	SAC R-124 Full Semester
		8:30a-11:40a	Sa	Staff	SAC R-201
W	61709	12:00p-3:10p	Sa	Staff	SAC R-124 Full Semester
		3:30p-6:40p	Sa	Staff	SAC R-201

### BIOLOGY 249, HUMAN PHYSIOLOGY 4 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 or similar Human Anatomy course.

	61713	1:15p-4:25p	M	Mansfield P	SAC R-124 Full Semester
		10:00a-1:10p	W	Mansfield P	SAC R-219
	61716	1:15p-4:25p	M	Mansfield P	SAC R-124 Full Semester
		2:00p-5:10p	W	Mansfield P	SAC R-219

## BUSINESS

### BUSINESS 080, BUSINESS MATHEMATICS 3 UNITS

*Business math applications including review of fractions, decimals, percents, banking, discounts, markups, payroll, interest calculation, installment buying, mortgages, depreciation, taxes, insurance, stocks, bonds and mutual funds.*

60631	7:00p-10:10p	Th	Eskow S	SAC A-222	Full Semester
-------	--------------	----	---------	-----------	---------------

### BUSINESS 100, FUNDAMENTALS OF BUSINESS 3 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.*

O	60637			Grant M	SAC WEB Full Semester
					Section 60637 online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.
O	60640			Doolittle G	SAC WEB 08/27-10/19
					Section 60640 online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.
	60641	8:00a-9:25a	Tu Th	Grant M	SAC A-203 Full Semester
	60650	9:30a-10:55a	M W	Doolittle G	SAC A-203 Full Semester
	60651	6:00p-9:10p	W	Long R	SAC D-102 Full Semester

### BUSINESS 103, COOPERATIVE WORK EXPERIENCE EDUCATION-OCCUPATIONAL 1 - 4 UNITS

*Supervised paid or volunteer experience in student's major including new or expanded responsibilities. One credit for each 5 hours worked per week to a maximum of 4 units for 20 hours worked per week each semester. Limitation of 16 units in occupational cooperative education courses. Students must be enrolled in a minimum of 7 units including 4 units for Business 103.*

Open Entry / Open Exit

60652	TBA			Negrete T	SAC A-107-5 Full Semester
					Orientation Wed, Aug 29, 12:00p-12:50p OR 6:00p-6:50p, SAC A-104.



All enrolled students are eligible to use our well-equipped  
**ACADEMIC COMPUTING CENTER** in Room A-106.

Open five days a week to meet your computing needs.  
Hours are: Monday-Thursday 9am-9pm and Friday 9am-6pm



**Santa Ana College**

**Looking for a paid internship?**  
*Earn while you learn!*



## Disney College Program

In partnership with Santa Ana College

**On-campus presentations will be held during the Fall semester. Dates and times will be posted throughout the campus.**

For more information, contact division office at: 714-564-6750 or visit our website at: [www.disneycollegeprogram.com](http://www.disneycollegeprogram.com)

Discover why the Disney College Program Internship is an opportunity you just can't afford to miss!

Disney interns can:

- Take classes for academic credit at SAC
- Network with Disneyland leaders
- Work for one of the most admired companies in the world
- Attend Cast Member-exclusive events
- Receive theme park admission and select discounts

## EARN UP TO 16 UNITS OF CREDIT ON YOUR JOB Cooperative Work Experience

Paid or volunteer supervised employment designed for students who are training on their current worksite for upward mobility or those working on non-paid worksites to acquire entry-level occupational training. If you have any questions, call 714-564-6750.

- CSU transferable as electives.
- Must be working in a paid or volunteer position.
- Students must attend one orientation meeting—see below.
- Must be enrolled in 7 units minimum (including work experience units).

### ORIENTATION MEETINGS

Attend orientation meetings at the college where enrolled. To complete paperwork, weekly class times are the same as for orientations.

SAC: Wednesday, August 29, 12:00–12:50pm or 6:00–6:50pm in SAC A-104

### OCCUPATIONAL WORK EXPERIENCE

Every major enrolls in Business 103 and 104

For students who are gaining experience on their current worksite through paid or volunteer employment. These are occupational jobs which relate to the student's major. All questions will be answered and paperwork distributed at orientation meetings. Amount of credit given each semester is 1 unit of credit for 5 hours worked weekly, 2 units of credit for 10 hours worked weekly, 3 units of credit for 15 hours worked weekly, and 4 units of credit for 20 hours worked weekly throughout the semester. Maximum of 4 units of credit each semester. Limit 16 units in Occupational Work Experience courses.

Work Experience also available in Computer Science and Paralegal.

### BUSINESS 104, COOPERATIVE WORK EXPERIENCE EDUCATION-GENERAL 1 - 4 UNITS

Supervised paid or volunteer experience not related to student's major including new or expanded responsibilities. One credit for each 5 hours worked per week to a maximum of 3 units for 15 hours worked per week each semester. Limitation of 6 units in general cooperative education courses. Students must be enrolled in a minimum of 7 units including 4 units for Business 104.

60852 TBA Negrete T SAC A-107-5 Full Semester  
Orientation Wed, Aug 29, 12:00p-12:50p OR 6:00p-6:50p, SAC A-104.

### BUSINESS 105, LEGAL ENVIRONMENT OF BUSINESS 3 UNITS

A study of the courts, torts (including product liability), crimes, contracts, employment, partnerships, corporations, government regulation, and international law.

61117	Section 61117 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	Manzano F	SAC WEB	Full Semester
61116	8:00a-9:25a M W	Doolittle G	SAC A-130	Full Semester
61119	9:00a-10:25a Tu Th	Robinson K	SAC A-214	Full Semester
61120	7:00p-10:10p Th	Mallory C	SAC A-210	Full Semester
61118	7:00p-10:10p W	Pollinger B	SAC A-210	Full Semester

### BUSINESS 106, CULTURE AND INTERNATIONAL BUSINESS-KISS, BOW OR SHAKE HANDS 3 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.

62339 Doolittle G SAC WEB Full Semester  
Section 62339 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

### BUSINESS 110, EXPORT PRICING, QUOTATIONS AND TERMS OF TRADE 1 UNIT

Learn how to respond to trade inquiries. Learn international trade terms of sale, international pricing and supply chain management. Learn how to calculate landed costs and export pricing.

60879 6:00p-10:00p Tu Grant M SAC A-203 08/28-09/18

### BUSINESS 111, INTERNATIONAL BUSINESS DOCUMENTATION-BEGINNING 1 UNIT

Learn how to create and issue international documents used in selling or buying products. Includes the creation and use of actual documents used in international business.

60909 6:00p-10:00p Tu Shweiri G SAC A-203 09/25-10/16

### BUSINESS 113, INTERNATIONAL TRANSPORTATION 1 UNIT

Learn how to ship products internationally and develop a transportation strategy. Includes transportation terminology, the role of the freight forwarder, transportation documentation, freight cost calculations, major ports of the world and distribution issues.

60911 6:00p-10:00p Tu Shweiri G SAC A-203 10/23-11/13

### BUSINESS 114, INTERNATIONAL DOCUMENTATION AND SUPPLY CHAIN MANAGEMENT 1 UNIT

International documents for product inspection, health/agricultural registrations and hazardous materials shipments. Utilizes actual documents, software and resources necessary to effectively complete documentation. Introduces the need for supply chain management and inventory control.

60946 6:00p-10:00p Tu Shweiri G SAC A-203 11/20-12/11

### BUSINESS 120, PRINCIPLES OF MANAGEMENT 3 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. (Same as Management 120.)

60950 9:30a-10:55a Tu Th Shweiri G SAC A-130 Full Semester  
60951 6:00p-9:10p W Irion M SAC A-130 Full Semester

### BUSINESS 121, HUMAN RELATIONS & ORGANIZATIONAL BEHAVIOR 3 UNITS

The role of the manager and management's relationship to employees. Includes the application of motivational theories, communications, leadership, and organizational structure. (Same as Management 121.)

61039 6:00p-9:10p M Shweiri G SAC D-101 Full Semester

### BUSINESS 125, INTRODUCTION TO INTERNATIONAL BUSINESS 3 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.

61041 6:00p-9:10p W Grant M SAC A-203 Full Semester

### BUSINESS 130, PERSONAL FINANCE 3 UNITS

Various aspects of personal financial planning covering family budgeting, investments, housing, insurance, taxation, estate planning, credit and its uses, planning for retirement, installment buying.

61214 Mitchell E SAC WEB Full Semester  
Section 61214 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. When registered, go to <http://rsccd.blackboard.com> and make sure your current email is in personal information.

### BUSINESS 140, PRINCIPLES OF FINANCE 3 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.

64028 Mitchell E SAC WEB Full Semester  
Section 64028 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. When registered, go to <http://rsccd.blackboard.com> and make sure your current email is in personal information.

### BUSINESS 147, INTERNATIONAL COMMERCIAL AGREEMENTS AND DISTRIBUTION LAW 1 UNIT

Learn to create business contracts in the global marketplace and how to use the U.N. Convention on Contracts for the International Sale of Goods. Learn about contracts with foreign sales representatives and laws regulating international distribution. Learn about international limited liability companies and foreign direct investment laws. (Same as Paralegal 147.)

61814 6:00p-10:00p Th Shippey K SAC A-203 08/30-09/20

### BUSINESS 148, INTERNATIONAL INTELLECTUAL PROPERTY LAW 1 UNIT

Learn international intellectual property law—patents, copyrights, trademarks, and trade secrets. Learn international treaties relating to intellectual property rights. Learn technology licensing agreements and international franchising. (Same as Paralegal 148.)

61044 6:00p-10:00p Th Shippey K SAC A-203 09/27-10/18

### BUSINESS 149, THE LAW OF GLOBAL COMMERCE 1 UNIT

How countries join together to create trade. Includes NAFTA, GATT, the EU and other trade agreements around the world. Explore law in different legal systems as well as U.S. export regulations. (Same as Paralegal 149.)

61045 6:00p-10:00p Th Shippey K SAC A-203 10/25-11/15

SECTION TIME DAYS INSTRUCTOR LOCATON / ROOM DATES

**Check Out What's New in Business!****Accounting**

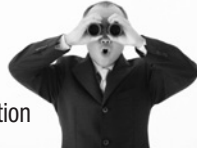
CTEC Approved Tax Classes

**Business Applications**MTA-Microsoft Technology Associate Certification  
BA 177, Microsoft OneNote 2010**Computer Science**CMPR 134C, Microsoft Windows 7 Operating System  
CMPR 247C, Windows Small Business Server (SBS) 2011 Standard**Marketing**

Contemporary Marketing Classes - Marketing for a new era!

**Engineering**ENGR 118, Plane Surveying  
ENGR 119, Advanced Plane Surveying**Paralegal**

PARA 298, The Professional Paralegal

**BUSINESS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS 3 UNITS**

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

60549		Kushida C	SAC WEB	Full Semester
	Section 60549 online instruction with mandatory on campus orientation. Go to instructor website for more information. <a href="http://sac.edu/ckushida">http://sac.edu/ckushida</a>			
60542	7:45a-10:55a	MW	Nichols B	SAC A-213 10/22-12/12
60504	10:30a-11:55a	Tu Th	Harding G	SAC A-208 Full Semester
60544	7:00p-10:10p	Tu Th	Beck J	SAC A-213 08/28-10/18

**BUSINESS 170, PRINCIPLES OF SMALL BUSINESS MANAGEMENT 3 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.

63349	11:00a-12:25p	Tu Th	Shweiri G	SAC A-203 Full Semester
61050	7:00p-10:10p	Th	Thomason G	SAC D-103 Full Semester

**BUSINESS 222, BUSINESS WRITING 3 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.

61046	9:30a-10:55a	Tu Th	Woolgar D	SAC A-108 Full Semester
61047	12:30p-1:55p	Tu Th	Woolgar D	SAC A-108 Full Semester
61048	7:00p-10:10p	M	Woolgar D	SAC A-205 Full Semester

**BUSINESS APPLICATIONS****BUSINESS APPLICATIONS 017, BUSINESS WRITING SKILLS 3 UNITS**

Comprehensive up-to-date usage of grammar including punctuation, capitalization, number style, spelling, vocabulary development, and other business writing skills. Designed for today's administrative assistant, secretary, word processor, or other office worker.

61391	7:00p-10:10p	W	Negrete T	SAC A-226 Full Semester
-------	--------------	---	-----------	-------------------------

**BUSINESS APPLICATIONS 035, COMPUTER FUNDAMENTALS 1.5 UNITS**

Introduction to computer hardware components, software applications, multimedia, and the use of the Internet.

63113	9:00a-1:00p	Sa	Ali W	SAC A-222 09/01-10/20
-------	-------------	----	-------	-----------------------

**BUSINESS APPLICATIONS 043, MICROSOFT CERTIFIED APPLICATION SPECIALIST PREPARATION 0.5 UNIT**

Prepares students to take the Microsoft Certified Application Specialist (MCAS) certification exams. Students choose practice programs that replicate actual MCAS exams for Word, Excel, PowerPoint, Access and/or Outlook.

61411	5:00p-6:55p	W	Ali W	SAC A-224 11/14-12/05
-------	-------------	---	-------	-----------------------

**BUSINESS APPLICATIONS 056, GENERAL FOUNDATION FOR BILINGUAL BUSINESS INTERPRETATION-SPANISH/ENGLISH 3 UNITS**

A course designed to give general foundations for interpreting and translating in Spanish and English for government and private businesses. Fluency in Spanish and English strongly recommended.

61414	7:00p-10:10p	W	Frias E	SAC A-205 Full Semester
-------	--------------	---	---------	-------------------------

SECTION TIME DAYS INSTRUCTOR LOCATON / ROOM DATES

**BUSINESS APPLICATIONS 057, MEDICAL INTERPRETATION AND TRANSLATION-SPANISH/ENGLISH 3 UNITS**

A course in medical interpretation/translation designed for employment certification of interpreters for governmental and private health services-providers. Fluency in Spanish and English strongly recommended.

61452	9:00a-12:10p	Sa	Frias Callejas M	SAC A-224 Full Semester
-------	--------------	----	------------------	-------------------------

**BUSINESS APPLICATIONS 110A, COMPUTER KEYBOARDING SKILLS I 1 UNIT**

Proficiency based keyboarding skills includes alphabet, speed and accuracy development.

Open Entry / Open Exit

61458	9:00a-10:55a	MW	Le N	SAC A-226 Full Semester
61457	9:00a-1:00p	F	Le N	SAC A-226 Full Semester
61455	9:00a-10:55a	Tu Th	Montiel-Childress D	SAC A-228 Full Semester

**BUSINESS APPLICATIONS 110B, COMPUTER KEYBOARDING SKILLS II 1 UNIT**

Continuation and refinement of proficiency based computer keyboarding skills includes: alphabet and numeric keyboard, speed and accuracy development and basic word processing skills.

Prerequisite: Business Applications 110A.

Open Entry / Open Exit

61461	9:00a-10:55a	MW	Le N	SAC A-226 Full Semester
61459	9:00a-10:55a	Tu Th	Montiel-Childress D	SAC A-228 Full Semester
61460	9:00a-1:00p	F	Le N	SAC A-226 Full Semester

**BUSINESS APPLICATIONS 115A, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT I 1 UNIT**

Intense review of letter, number, and symbol typing. Emphasis on individual's problem keys. Increase keyboarding speed and improve accuracy through prescribed drills and timed writings on computer. Basic proficiency in typing or keyboarding recommended.

Open Entry / Open Exit

61465	9:00a-10:55a	MW	Le N	SAC A-226 Full Semester
61462	9:00a-10:55a	Tu Th	Montiel-Childress D	SAC A-228 Full Semester
61463	9:00a-1:00p	F	Le N	SAC A-226 Full Semester

**BUSINESS APPLICATIONS 115B, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT II 1 UNIT**

Refinement of letter, number, and symbol typing. Emphasis on individual's problem keys. Increase keyboarding speed and improve accuracy through prescribed drills and timed writings on computer.

Prerequisite: Business Applications 115A.

Open Entry / Open Exit

61470	9:00a-10:55a	MW	Le N	SAC A-226 Full Semester
61467	9:00a-1:00p	F	Le N	SAC A-226 Full Semester
61466	9:00a-10:55a	Tu Th	Montiel-Childress D	SAC A-228 Full Semester

**BUSINESS APPLICATIONS 125, MICROSOFT WORD BASICS 1.5 UNITS**

Basic procedures for creating, editing, and manipulating documents of varying sophistication using Microsoft Word software.

Software Utilized: MS Word 2010

61472	9:00a-1:35p	Sa	Nguyen M	SAC A-226 10/27-12/15
-------	-------------	----	----------	-----------------------

**BUSINESS APPLICATIONS 147, INTRODUCTION TO WINDOWS 1.5 UNITS**

The fundamentals of Windows graphical user interface including Help, launching applications and managing files and folders using My Computer and Windows Explorer. Additional topics include WordPad and customizing Windows using Control Panel.

Software Utilized: Windows 7

61475	9:00a-1:35p	Sa	Ali W	SAC A-222 10/27-12/15
-------	-------------	----	-------	-----------------------

**BUSINESS APPLICATIONS 160, MICROSOFT PUBLISHER 3 UNITS**

Easy-to-use desktop publishing program that guides you through the process of creating brochures, newsletters, invitations and flyers. Create professional-looking documents without graphic design training. Use a scanner to incorporate graphics in your documents.

Software Utilized: MS Publisher 2010

61484	9:00a-10:55a	MW	Montiel-Childress D	SAC A-224 Full Semester
61481	9:00a-10:55a	Tu Th	Lehrer C	SAC A-226 Full Semester
61486	1:15p-3:10p	MW	Montiel-Childress D	SAC A-224 Full Semester

**SOME COMPUTER CLASSES HAVE ARRANGED LAB HOURS**

Students will be informed by their instructor if they are expected to spend a minimum of one hour per week in the computer lab. General Business and Computer Labs are available in A-104 and A-106. Engineering Lab is available in A-225.

## New Microsoft Certifications from the Business Applications Department!



### Microsoft Technology Associate

Validate your knowledge of Microsoft systems in software, networking, security and more.

### Microsoft Office Specialist

Earn College Credit when you pass a Microsoft Certification Exam in Word, Excel, PowerPoint, Access, or Outlook.



Available for Microsoft Office 2007 and 2010.

Watch for flyers and brochures or call 714-564-6773

**BUSINESS APPLICATIONS 166, ADOBE ILLUSTRATOR 3 UNITS**  
Introduction to Adobe Illustrator, an electronic digital illustration program for creating graphic images for business publications. Learn how to digitally create and print illustrations, logos, and publications.

Software Utilized: Adobe Illustrator CS5

61490	6:00p-10:10p	M	Staff	SAC A-224	Full Semester
-------	--------------	---	-------	-----------	---------------

**BUSINESS APPLICATIONS 174, CREATING WEB PAGES WITH DREAMWEAVER AND FLASH 3 UNITS**  
Provides instruction on designing a dynamic web site from concept to upload to a server using Dreamweaver and Flash together. Students will integrate HTML with multimedia into one web site using cascading style sheets, animation, and sound based on professional business standards and techniques. Knowledge of Word and Photoshop helpful.

Software Utilized: Adobe Dreamweaver and Flash CS5

61492	6:00p-10:10p	Th	Dumon D	SAC A-226	Full Semester
-------	--------------	----	---------	-----------	---------------

**BUSINESS APPLICATIONS 177, MICROSOFT ONENOTE 1.5 UNITS**  
Students will learn how to use Microsoft OneNote, create, organize and manage notebooks. Students will work with audio and video files, search Notes, and integrate OneNote with Microsoft Office.

61495	7:00p-10:35p	M	Nguyen T	SAC A-222	10/22-12/10
-------	--------------	---	----------	-----------	-------------

**BUSINESS APPLICATIONS 179, INTRODUCTION TO MICROSOFT OFFICE 4 UNITS**  
Learn the basics of the Microsoft Office, suite of applications including Word, Excel, Access and PowerPoint. Acquire skills for creating, formatting, printing and editing business documents.

Software Utilized: MS Office 2010

	62327	Section 62327 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	Nguyen M	SAC WEB	Full Semester
	62328	11:00a-1:05p Tu Th	Montiel-Childress D	SAC A-226	Full Semester
	62329	6:00p-10:10p Tu	Molitor M	SAC A-226	Full Semester

**BUSINESS APPLICATIONS 183, MICROSOFT WORD 3 UNITS**  
Step-by-step procedures are taught for creating, editing, and printing business documents with Microsoft Word. Ability to type is recommended.

Software Utilized: MS Word 2010

62332	6:00p-10:10p	M	Dutton Jr D	SAC A-226	Full Semester
-------	--------------	---	-------------	-----------	---------------

**BUSINESS APPLICATIONS 188, MICROSOFT EXCEL 1.5 UNITS**  
Introduction to Excel spreadsheets including formatting, graphics, charts and formulas common to business applications.

Software Utilized: MS Excel 2010

	62334	Section 62334 online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	Montiel-Childress D	SAC WEB	08/27-10/19
	62333	6:00p-10:00p F	Nguyen T	SAC A-226	08/31-10/19

**BUSINESS APPLICATIONS 189, EXCEL APPLICATION PROJECTS 1.5 UNITS**  
The student will apply spreadsheet theory and design to typical business related Excel projects. This course will expand student's knowledge of Excel concepts and techniques. Prepares student for Microsoft Excel Certification. Recommended experience with Excel.

Software Utilized: MS Excel 2010

	62336	Section 62336 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	Montiel-Childress D	SAC WEB	10/22-12/14
	62335	5:30p-10:10p F	Nguyen T	SAC A-226	10/26-12/14

**BUSINESS APPLICATIONS 190, MICROSOFT POWERPOINT 1.5 UNITS**  
Instruction in the essentials of presentation graphics using PowerPoint. Students will learn how to design and produce presentation material for business including transparencies, slide and screen shows.

Software Utilized: MS PowerPoint 2010

	62337	Section 62337 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	Lehrer C	SAC WEB	08/27-10/19
--	-------	--	----------	---------	-------------

**BUSINESS APPLICATIONS 191, POWERPOINT-APPLICATION PROJECTS 1.5 UNITS**  
Course will provide an opportunity to develop original presentation project for business, job or personal use. Course is designed to allow students an opportunity to expand knowledge of PowerPoint.

Software Utilized: MS PowerPoint 2010

	62338	Section 62338 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.	Lehrer C	SAC WEB	10/22-12/14
--	-------	--	----------	---------	-------------

## CHEMISTRY

**CHEMISTRY 115, CONCEPTS IN PHYSICAL SCIENCES FOR EDUCATORS 4 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 Physical Science 115)

61721	2:00p-5:10p	M	Staff	SAC R-309	Full Semester
	2:00p-5:10p	W	Staff	SAC R-309	

**CHEMISTRY 119, FUNDAMENTALS - GENERAL AND ORGANIC 5 UNITS**  
No prior chemistry needed. For majors in nursing, dietetics, family and consumer studies, pharmacy technology, biology, and physical education. Includes atomic structure, nuclear chemistry, bonding, solutions, acids and bases, organic nomenclature, hydrocarbons and alcohols. Prerequisite: Mathematics 060 or 061.

61723	7:00p-10:10p	Tu	Joe S	SAC R-318	Full Semester
	6:00p-6:55p	Th	Joe S	SAC R-318	
	7:00p-10:10p	Th	Joe S	SAC R-301	

**CHEMISTRY 209, INTRODUCTORY CHEMISTRY 4 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. Prerequisite: Mathematics 080 or 081 with a grade of C or better.

	61733	Jenkins C	SAC HYBRID	Full Semester
	8:30a-9:25a	M	Jenkins C	SAC R-126 08/27-08/27
	9:00a-12:10p	F	Jenkins C	SAC R-309 Full Semester

Section 61733 MANDATORY One-day orientation meeting on Mon, Aug 27, 8:30a-9:25a, SAC R-126. Online instruction plus mandatory on campus weekly lab meetings every Fri, 9:00a-12:10p, SAC R-309. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class ([jenkins\\_crystal@sac.edu](mailto:jenkins_crystal@sac.edu))

	61729	9:00a-12:10p	Sa	Moore B	SAC R-318 Full Semester
		1:00p-4:10p	Sa	Moore B	SAC R-301
	61732	10:00a-11:25a	M W	Mc Millan J	SAC R-126 Full Semester
		12:00p-3:10p	M	Mc Millan J	SAC R-301

Section 61732 is linked to Counseling 111, Learning Skills Development, Section 59479. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.

61737	5:20p-6:45p	M W	Robles M	SAC I-106 Full Semester
	7:00p-10:10p	M	Robles M	SAC R-301
61730	7:00p-10:10p	M	Edinger W	SAC R-318 Full Semester
	7:00p-10:10p	W	Edinger W	SAC R-301
61731	7:00p-10:10p	Th	Visco L	SAC R-318 Full Semester
	7:00p-10:10p	Tu	Visco L	SAC R-301

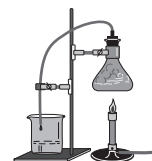
**CHEMISTRY 219, GENERAL CHEMISTRY 5 UNITS**  
Fundamental principles and concepts of chemistry including, but not limited to, atomic structure, quantum theory, periodic properties, stoichiometry, oxidation-reduction, molecular structure and bonding, gas laws, states of matter, solutions, chemical kinetics and chemical equilibrium. Prerequisite: Mathematics 080 or 081 and Chemistry 209 or Mathematics 080 or 081 and a passing score on current chemistry placement test. All courses must be completed with a grade of C or better.

61738	1:00p-2:25p	Tu Th	Jenkins C	SAC R-126 Full Semester
	9:30a-12:40p	Tu Th	Jenkins C	SAC R-309
61759	1:00p-2:25p	M W	Jenkins C	SAC R-303 Full Semester
	9:30a-12:40p	M W	Jenkins C	SAC R-309
61754	5:00p-6:25p	M W	Nguyen W	SAC R-128 Full Semester
	7:00p-10:10p	M W	Nguyen W	SAC R-309
61761	5:00p-6:25p	Tu Th	Kelcher M	SAC R-126 Full Semester
	7:00p-10:10p	Tu Th	Kelcher M	SAC R-309

### Meet your Chemistry (Science Majors) requirements!!!

Take the following in the order given:

- Chemistry 209
- Chemistry 219
- Chemistry 229
- Chemistry 249
- Chemistry 259





SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>CHEMISTRY 229, GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS 5 UNITS</b>					
<i>Continuation of Chemistry 219, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.</i>					
Prerequisite: Chemistry 219 with a grade of C or higher.					
61765	8:30a-9:55a	Tu Th	Mc Millan J	SAC R-126	Full Semester
	10:15a-1:25p	Tu Th	Mc Millan J	SAC R-301	

<b>CHEMISTRY 249, ORGANIC CHEMISTRY I 5 UNITS</b>					
<i>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.</i>					
Prerequisite: Chemistry 229 with a grade of C or better.					
61768	9:00a-10:25a	Tu Th	Kelcher M	SAC R-303	Full Semester
	11:00a-2:10p	Tu Th	Kelcher M	SAC R-302	
61772	10:00a-11:25a	M W	Nguyen W	SAC R-303	Full Semester
	12:00p-3:10p	M W	Nguyen W	SAC R-302	
61770	5:15p-6:40p	M W	Yamada T	SAC R-318	Full Semester
	7:00p-10:10p	M W	Yamada T	SAC R-302	

## CHICANO STUDIES

<b>CHICANO STUDIES 101, INTRODUCTION TO CHICANO STUDIES 3 UNITS</b>					
<i>An interdisciplinary survey of Chicano society from a sociological, economic, political, philosophical, and cultural perspective from pre-Columbian civilizations to contemporary society. This course is designed to present a foundation in Chicano history.</i>					
60550	9:45a-11:10a	M W	Sanchez G	SAC D-209	Full Semester
U-LINK Section 60550 is linked to Counseling 107, The Freshman Experience, Section 59464. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.					
60552	1:15p-2:40p	Tu Th	Briceno G	SAC D-304	Full Semester
60551	7:00p-10:10p	W	Briceno G	SAC D-106	Full Semester

## COMMUNICATION STUDIES (FORMERLY SPEECH COMMUNICATION)

<b>COMMUNICATION STUDIES N49, INTRODUCTION TO ACADEMIC SPEAKING SKILLS 3 UNITS</b>					
<i>Beginning course for non-native students with previous instruction in basic English as a second language. Includes listening discrimination, pronunciation, speaking and listening skill building. Skills are intensively practiced and reviewed. Not applicable to associate degree.</i>					
62302	8:00a-9:25a	M W	Huebsch M	SAC I-103	Full Semester
1 hour per week arranged					

<b>COMMUNICATION STUDIES N50, PRONUNCIATION SKILLS LABORATORY 1 UNIT</b>					
<i>Sign-in/out listening and speaking practice in a lab setting. Utilizes pronunciation and vocabulary/conversational material. 48 hours earns 1 unit. Not applicable to associate degree.</i>					
Open Entry / Open Exit					
62303	TBA		Morris M	SAC D-301	Full Semester

<b>COMMUNICATION STUDIES N52A, BEGINNING AMERICAN ENGLISH PRONUNCIATION SKILLS 3 UNITS</b>					
<i>Instruction in pronunciation of American English sounds, identifying commonly mispronounced sounds, and common sound spelling patterns. Not applicable to associate degree.</i>					
Prerequisite: English for Multilingual Students 055.					
62304	9:30a-10:55a	M W	Huebsch M	SAC I-103	Full Semester
1 hour per week arranged					

<b>COMMUNICATION STUDIES N52B, INTERMEDIATE AMERICAN ENGLISH PRONUNCIATION SKILLS 3 UNITS</b>					
<i>More extensive instruction in American English sounds. Emphasis on more difficult sounds, sound blends, word endings, syllable and word stress. Not applicable to associate degree.</i>					
Prerequisite: Communication Studies N52A.					
62305	8:00a-9:25a	Tu Th	Nunez V	SAC C-213	Full Semester
1 hour per week arranged					

<b>COMMUNICATION STUDIES 097, AMERICAN ENGLISH CONVERSATIONAL SKILLS 3 UNITS</b>					
<i>Intensive, advanced conversational practice of American English. The course emphasizes oral competency in key American social, academic and business encounters and communication techniques. Laboratory hours are required. Preparation for Communication Studies 101 or 101H. Designed for non-native speakers.</i>					
Prerequisite: Communication Studies N52B or concurrent enrollment; English for Multilingual Students 107 or higher. Communication Studies N52B or concurrent enrollment; English for Multilingual Students 107 or higher.					
61420	9:30a-10:55a	Tu Th	Huebsch M	SAC C-213	Full Semester
1 hour per week arranged					

<b>COMMUNICATION STUDIES 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION 3 UNITS</b>					
<i>Introduction to communication theory, listening, perception, language usage, non-verbal communication, and conflict management. Recommended for students who have completed or are currently enrolled in English 101.</i>					
62058	8:00a-9:25a	Tu Th	Morris M	SAC C-202	Full Semester
62059	8:00a-9:25a	M W	Moorhead C	SAC C-202	Full Semester
62061	9:30a-10:55a	Tu Th	Morris M	SAC C-202	Full Semester
62062	9:30a-10:55a	Tu Th	Fondren S	SAC I-103	Full Semester
62063	9:30a-10:55a	M W	Johnson J	SAC C-202	Full Semester
62064	11:15a-12:40p	Tu Th	Pierce C	SAC F-103	Full Semester
62065	2:00p-5:10p	Th	Wagner S	SAC C-214	Full Semester
62066	2:00p-5:10p	Tu	Wagner S	SAC C-202	Full Semester
62067	4:00p-6:55p	M	Holder V	SAC C-202	Full Semester
W 62068	6:00p-9:55p	F	Holder V	SAC C-202	09/14-10/20
	9:00a-12:55p	Sa	Holder V	SAC C-202	
62070	7:00p-10:10p	M	Holder V	SAC C-202	Full Semester

<b>COMMUNICATION STUDIES 101H, HONORS INTRODUCTION TO INTERPERSONAL COMMUNICATION 3 UNITS</b>					
<i>Introduction to communication theory, 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. Completion or concurrent enrollment in English 101 recommended.</i>					
Prerequisite: A high school or college GPA of 3.0 or above.					
62071	11:00a-12:25p	M W	Moorhead C	SAC C-202	Full Semester

<b>COMMUNICATION STUDIES 102, PUBLIC SPEAKING 3 UNITS</b>					
<i>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. Speech Communication 097 recommended for non-native speakers.</i>					

62072	8:00a-9:25a	Tu Th	Brown L	SAC C-214	Full Semester
62077	8:00a-9:25a	M W	Brown L	SAC C-213	Full Semester
62131	9:30a-10:55a	M W	Brown L	SAC C-213	Full Semester
62135	9:30a-10:55a	M W	Moorhead C	SAC C-207	Full Semester
62078	9:30a-10:55a	Tu Th	Brown L	SAC C-214	Full Semester
62137	11:00a-12:25p	M W	Brown L	SAC C-213	Full Semester
62271	11:00a-12:25p	Tu Th	Fondren S	SAC C-214	Full Semester

U-Link - Section 62271 is linked to Counseling 111, Learning Skills Development, Section 59480. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.					
62273	1:00p-2:25p	M W	Morris M	SAC C-202	Full Semester
64273	2:00p-4:55p	W	Fondren S	SAC I-103	Full Semester

Section 64273 is linked to Human Development 114, Careers in Teaching, Section 63993. Enrollment in both sections is mandatory. See Freshman Experience program page in the class schedule for more information.					
62274	2:00p-4:55p	W	Fondren S	SAC I-103	Full Semester
Section 62274 is linked to Counseling 114, Careers in Teaching, Section 59482. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.					
62275	2:00p-4:55p	Tu	Dowlatshahi K	SAC A-205	Full Semester
62276	4:00p-6:55p	Tu	Holder V	SAC C-202	Full Semester
62277	5:00p-6:25p	M W	Pierce C	SAC I-103	Full Semester
62278	6:00p-9:10p	M	Fondren S	SAC C-214	Full Semester

<b>COMMUNICATION STUDIES 103, INTRODUCTION TO INTERCULTURAL COMMUNICATION 3 UNITS</b>					
<i>A general view of the sociological, psychological, and communication patterns of various cultural groups. Special emphasis on the methods, skills, and techniques necessary for effective intercultural, crosscultural, and interracial communication. Stresses the development of analytical thinking, speaking, and writing skills. Communication Studies 097 recommended for non-native speakers.</i>					
62289	7:00p-10:10p	W	Holder V	SAC C-202	Full Semester

<b>COMMUNICATION STUDIES 140, ARGUMENTATION AND DEBATE 3 UNITS</b>					
<i>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. Completion of or concurrent enrollment in English 101 recommended. Communication Studies 097 recommended for non-native speakers.</i>					
62290	6:30a-7:55a	M W	Lockwood L	SAC C-214	Full Semester
62291	8:00a-9:25a	M W	Lockwood L	SAC C-214	Full Semester
62292	9:30a-10:55a	M W	Lockwood L	SAC C-214	Full Semester
62295	12:30p-1:55p	M W	Lockwood L	SAC C-214	Full Semester
62296	7:00p-10:10p	W	Phu C	SAC C-213	Full Semester


<b>COMMUNICATION STUDIES 145, GROUP DYNAMICS 3 UNITS</b>					
<i>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. Communication Studies 097 recommended for non-native speakers.</i>					
62298	11:00a-12:25p	Tu Th	Moldoveanu M	SAC I-103	Full Semester
62299	7:00p-10:10p	W	Fondren S	SAC C-207	Full Semester



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**COMMUNICATION STUDIES 151, VOICE AND DICTION FOR EFFECTIVE COMMUNICATION** **3 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. Communication Studies 097 recommended for non-native speakers.*  
 62300 7:00p-10:10p Tu Holder V SAC C-202 Full Semester

**COMMUNICATION STUDIES 170, INTRODUCTION TO PHONETICS** **3 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. Communication Studies N53 recommended for non-native speakers.*  
 62301 3:45p-6:55p M Morris M SAC C-207 Full Semester

**COMMUNICATION STUDIES 206H, HONORS GENDER COMMUNICATION** **3 UNITS**  
 *An enriched approach in practical application, techniques, and in-depth analysis of male and female communication regarding language usage, biological and social influences, mass media, marriage, organizations, same sex/cross sex friendships, and education. Students will be required to do individual/group professor-guided research.*  
 Prerequisite: A high school or college GPA of 3.0 or above and a grade of C or better in a Communication Studies course numbered 100 or higher.  
 62307 12:30p-1:55p Tu Th Lockwood L SAC C-214 Full Semester

## COMMUNICATIONS & MEDIA STUDIES

**COMMUNICATIONS & MEDIA STUDIES 111, MEDIA, RACE AND GENDER** **3 UNITS**  
*This multimedia course is an overview of the social and cultural implications of mass media on race and gender from the 1920s to the present. Using works of philosophical and cultural importance students will analyze and debate the changes in the faces of media with particular focus on social class, gender and ethnicity.*  
 61968 11:00a-12:25p Tu Th Little C SAC C-207 Full Semester  
 Fulfills GE (CSU) and IGETC (UC) transfer

**COMMUNICATIONS & MEDIA STUDIES 121, WRITING AND REPORTING FOR MEDIA** **3 UNITS**  
*An introduction to evaluating, gathering and writing news across multi-media platforms under newsroom conditions. Includes role of the reporter 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, and application of media law.*  
 61972 11:00a-12:25p M W Little C SAC A-219 Full Semester

**COMMUNICATIONS & MEDIA STUDIES 123, NEWS MEDIA PRODUCTION** **4 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 newspaper and its various forms. Students utilize a digital laboratory to develop skills in a variety of disciplines, including writing, editing, design, photography, and visual reporting. Completion of Journalism 121 recommended.*  
 61973 12:30p-2:35p M W Little C SAC C-201 Full Semester  
 10 hours per week arranged

# COMMUNICATIONS & MEDIA STUDIES

## ONLINE / NEW MEDIA / REPORTING








- CMSD-111-Media, Race and Gender**
- CMSD-121-Writing & Reporting for Media**
- CMSD-123-News Media Production**
- CMSD-201-Visual Reporting**
- CMSD-222-Writing Across Media**

**COURSES FOR A MODERN WORLD**

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**COMMUNICATIONS & MEDIA STUDIES 201, VISUAL REPORTING** **2 UNITS**  
*Course stresses how to perceive and select visual images through work with a digital camera, a computer, and related graphics software. Students learn 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. May be repeated.*  
 61974 12:30p-1:25p M W Little C SAC C-207 Full Semester  
 1:30p-1:55p M W Little C SAC C-207

**COMMUNICATIONS & MEDIA STUDIES 222, WRITING ACROSS MEDIA** **3 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 and Media Studies 121 with a grade of C or better.  
 62225 12:30p-1:55p M W Little C SAC C-207 Full Semester

## COMPUTER SCIENCE

Computer Science Department book information: <http://cs.sacbusiness.org/CsBooks>

**COMPUTER SCIENCE 100, THE COMPUTER AND SOCIETY** **3 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 2010

Section	Time	Days	Instructor	Room	Dates
60559	Section 60559 go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.				
60541	7:50a-10:55a	Tu Th	Nichols B	SAC A-213	10/23-12/13
60525	8:30a-9:55a	Tu Th	Hester J	SAC A-215	Full Semester
60526	10:00a-11:25a	Tu Th	Hester J	SAC A-215	Full Semester
60498	10:30a-11:55a	M W	Harding G	SAC A-208	Full Semester
60499	12:00p-1:25p	M W	Harding G	SAC A-208	Full Semester
60527	1:00p-4:10p	W	Hester J	SAC A-215	Full Semester
60490	4:00p-6:55p	Tu	Dahlen N	SAC A-206	Full Semester
60491	4:00p-6:55p	W	Dahlen N	SAC A-206	Full Semester
60493	7:00p-10:10p	Th	Lamb J	SAC A-206	Full Semester
60547	7:00p-10:10p	Tu Th	Nichols B	SAC A-213	10/23-12/13
60528	7:00p-10:10p	M	Bennett Jr J	SAC A-215	Full Semester

**COMPUTER SCIENCE 104, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL** **1 - 4 UNITS**

*Supervised paid or volunteer experience in student's major including new or expanded responsibilities. One unit credit for each 5 hours worked per week to a maximum of 4 units for 20 hours worked per week each semester. Limitation of 16 units in occupational cooperative education courses. Student must be enrolled in a minimum of 7 units including 4 units in Computer Science 104.*

Open Entry / Open Exit

60566	Section 60566. Email instructor before the first week of class.(kushida_cherylee@sac.edu) Students must have approval for this class before enrolling.				
			Kushida C	SAC A-108	08/20-12/16

**COMPUTER SCIENCE 105, VISUAL BASIC PROGRAMMING** **3 UNITS**  
*Introduction to programming and Visual BASIC. Emphasis on programming fundamentals and the creation of applications with Visual BASIC. No previous programming experience required.*

Software Utilized: Microsoft Visual Basic.NET

60517	10:30a-11:55a	M W	Hester J	SAC A-215	Full Semester
60494	7:00p-10:10p	W	Dahlen N	SAC A-206	Full Semester
60496	7:00p-10:10p	Tu	Dahlen N	SAC A-206	Full Semester

**COMPUTER SCIENCE 112, JAVA PROGRAMMING** **3 UNITS**  
*Study of the Java language, its features and applications.*

Software Utilized: Java 2 SDK V 1.4.2

60501	2:00p-3:25p	M W	Harding G	SAC A-208	Full Semester
60502	7:00p-10:10p	M	Harding G	SAC A-208	Full Semester









### SOME COMPUTER CLASSES HAVE ARRANGED LAB HOURS

Students will be informed by their instructor if they are expected to spend a minimum of one hour per week in the computer lab. General Business and Computer Labs are available in A-104 and A-106. Engineering Lab is available in A-225.

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>COMPUTER SCIENCE 118, JAVASCRIPT PROGRAMMING 3 UNITS</b>					
<i>Students will be introduced to the syntax of JavaScript, the methods used to incorporate JavaScripts into HTML documents, and using JavaScripts to create interactive forms. Students will also learn to enhance Web Pages through the use of Interactive Programming utilizing Forms, Frames, Documents, Windows, Loops, Strings, and Cookies.</i>					
60532	7:00p-10:10p	M	Hester B	SAC A-213	Full Semester
<b>COMPUTER SCIENCE 120, INTRODUCTION TO PROGRAMMING 3 UNITS</b>					
<i>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.</i>					
Prerequisite: Mathematics 080 or 081.					
60513	8:30a-9:55a	M W	Hester J	SAC A-215	Full Semester
	10:00a-10:25a	M W	Hester J	SAC A-215	
60497	6:00p-8:55p	M	Dahlen N	SAC A-206	Full Semester
	9:00p-10:10p	M	Dahlen N	SAC A-206	
<b>COMPUTER SCIENCE 121, PROGRAMMING CONCEPTS 3 UNITS</b>					
<i>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.</i>					
Prerequisite: Computer Science 120.					
<b>Software Utilized: MS Visual C++.NET</b>					
60537	6:00p-8:55p	W	Hester J	SAC A-215	Full Semester
	9:00p-10:10p	W	Hester J	SAC A-215	
<b>COMPUTER SCIENCE 125, HELP DESK SKILLS 1.5 UNITS</b>					
<i>Introduction to Help Desk "soft skills," non-IT related business, such as effective communication, analytical thinking, diplomacy, problem solving, leadership, team building, and listening skills. In addition to learning necessary soft skills, students will be familiar with a help-desk environment, its function and organization.</i>					
60723	8:00a-11:10a	F	Quach N	SAC A-215	08/31-10/19
<b>COMPUTER SCIENCE 134C, MICROSOFT WINDOWS 7 OPERATING SYSTEM 3 UNITS</b>					
<i>Microsoft Windows 7 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 Configuration.</i>					
60540	7:00p-10:10p	W	Moritsugu S	SAC A-213	Full Semester
<b>COMPUTER SCIENCE 135, SOFTWARE DEPLOYMENT MECHANISMS 1.5 UNITS</b>					
<i>Computer software deployment strategies in large computer systems.</i>					
60725	8:00a-11:15a	F	Quach N	SAC A-215	10/26-12/14
<b>COMPUTER SCIENCE 152, HTML 3 UNITS</b>					
<i>Introduction to HTML (Hypertext Markup Language) scripting and the creation of Hypertext documents. Topics will include the specification of the form and function of documents, inclusion of hypertext links, images, frames, tables, forms, JavaScript, VRML, and new features of HTML.</i>					
<b>Software Utilized: MS Windows</b>					
60535	7:00p-10:10p	Th	Moritsugu S	SAC A-208	Full Semester
<b>COMPUTER SCIENCE 163, MICROSOFT EXCEL 3 UNITS</b>					
<i>Introduction to Microsoft Excel and how it facilitates solving business problems. Covers data management and reporting using spreadsheets, charts, database tools and macros.</i>					
<b>Software Utilized: MS Excel 2010</b>					
61712	11:00a-2:10p	Tu Th	Nichols B	SAC A-213	10/23-12/13
60505	7:00p-10:10p	Tu	Sterling M	SAC A-208	Full Semester
<b>COMPUTER SCIENCE 167, MICROSOFT ACCESS 3 UNITS</b>					
<i>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.</i>					
<b>Software Utilized: MS Access 2010</b>					
60529	7:00p-10:10p	Th	Habicht G	SAC A-215	Full Semester
<b>COMPUTER SCIENCE 168, ADVANCED MICROSOFT ACCESS 3 UNITS</b>					
<i>Advanced Relational Database Management using development using VBA, implementation in a multiuser environment and working with Access on the Internet. Computer Science 167 or equivalent experience is recommended.</i>					
<b>Software Utilized: MS Access 2010</b>					
61057	7:00p-10:10p	W	Habicht G	SAC A-208	Full Semester
<b>COMPUTER SCIENCE 173, INTRODUCTION TO NETWORKING TECHNOLOGY 3 UNITS</b>					
<i>A comprehensive overview of networking technology, including a history of LAN development and the uses and benefits of LAN's. Students are introduced to LAN terminology, components, standards and upper level protocols.</i>					
60488	7:00p-10:10p	Tu	Yaqub M	SAC A-210	Full Semester
<b>COMPUTER SCIENCE 247C, WINDOWS SMALL BUSINESS SERVER (SBS) 2011 - STANDARD 3 UNITS</b>					
<i>Installation, management and configuration of Windows Small Business Server (SBS) 2011 for managing small business (25-75 Clients) network environments. Recommended preparation: Knowledge of any client-level Windows operating system (e.g., Windows 7)</i>					
60531	7:00p-10:10p	Tu	Ahmed A	SAC A-215	Full Semester

# COUNSELING

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>COUNSELING 100, LIFELONG UNDERSTANDING AND SELF DEVELOPMENT 2 UNITS</b>					
<i>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.</i>					
64076	10:30a-12:35p	W	Palomares E	SAC I-209	Full Semester
Fast Track to Success-Section 64076 is linked to Math 060, Elementary Algebra, Section 61671, and Math 080, Intermediate Algebra, Section 61682. Enrollment in all sections is mandatory. E-mail counselor, palomares_eva@sac.edu for more information.					
64077	3:30p-5:35p	M W	Palomares E	SAC I-204	Full Semester
Fast Track to Success-Section 64077 is linked to Math 060, Elementary Algebra, Section 61672, and Math 080, Intermediate Algebra, Section 61690. Enrollment in all sections is mandatory. E-mail counselor, palomares_eva@sac.edu for more information.					
64080	8:30a-10:35a	Tu	Castellanos M	SAC I-101	Full Semester
59460	7:00p-9:05p	Tu	Castellanos M	SAC I-206	Full Semester
<b>COUNSELING 107, THE FRESHMAN EXPERIENCE 3 UNITS</b>					
<i>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.</i>					
59478	9:00a-12:10p	F	Lopez-Ediss C	SAC I-209	Full Semester
59500	11:00a-12:25p	Tu Th	Aguilar M	SAC H-207	Full Semester
Section 59500 is designed for students with learning difficulties and students interested in alternative learning strategies. Open to all students.					
<b>COUNSELING 114, CAREERS IN TEACHING 1 UNIT</b>					
<i>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. (Same as Human Development 114.)</i>					
59482	1:00p-1:50p	W	Bautista S	SAC I-103	Full Semester
Section 59482 is linked to Communication Studies 102, Public Speaking, Section 62274. Enrollment in both sections is mandatory. See Freshman Experience program page in the class schedule for more information					
<b>COUNSELING 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 3 UNITS</b>					
<i>This course is designed to assist students in successfully establishing and achieving education, career and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills and learning styles. Career and education options are researched, and students are exposed to college resources and support services. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, career and life plans.</i>					
<b>Material Fee(s): \$20</b>					
 59519			Sadler D	SAC WEB	08/27-10/19
Section 59519 students must attend the one of the following orientations: Aug 29, or Sept 5, 7:00p-8:30p, SAC L-225. For additional information or if you wish to add the course after Aug.27 email the instructor (sadler_dennis@sac.edu).					
 59523			Sadler D	SAC WEB	Full Semester
Section 59523 students must attend one of the following orientations: Aug 28 or Sept 4, 12:00p-1:30p or 7:00p-8:30p, SAC L-225. For additional information or if you wish to add the course after Aug.27 email the instructor (sadler_dennis@sac.edu).					
 59524	6:00p-7:30p	M	Sadler D	SAC HYBRID	Full Semester
			Sadler D	SAC L-225	
Section 59524 Online instruction plus on campus meetings every Monday 6:00p-7:30p. For additional information or if you wish to add the class, email the instructor sadler_Dennis@sac.edu.					
 59522			Sadler D	SAC WEB	Full Semester
Section 59522 students must attend one of the following orientations: Aug 28 or Sept 4, 12:00p-1:30p or 7:00p-8:30p, SAC L-225. For additional information or if you wish to add the course after Aug.27 email the instructor (sadler_dennis@sac.edu).					
 59491	6:00p-7:30p	M	Nguyen T	SAC HYBRID	Full Semester
			Nguyen T	SAC I-102	
Section 59491 Online instruction plus on campus meetings every Monday 6:00p-7:30p, I-102. For additional information contact the instructor at Nguyen_Van@sac.edu. Email the instructor if you want to add the class.					
 59521			Sadler D	SAC WEB	Full Semester
Section 59521 students must attend one of the following orientations: Aug 28 or Sept 4, 12:00p-1:30p or 7:00p-8:30p, SAC L-225. For additional information or if you wish to add the course after Aug.27 email the instructor sadler_dennis@sac.edu.					
59489	9:00a-12:10p	F	Robledo R	SAC I-102	Full Semester
59483	9:30a-10:55a	Tu Th	Lockhart	SAC I-108	Full Semester
59502	9:30a-10:55a	M W	Pham T	SAC R-115	Full Semester
59485	9:30a-10:55a	M W	Gallego Jr R	SAC I-108	Full Semester
59484	11:00a-12:25p	Tu Th	Brown A	SAC I-108	Full Semester
59486	11:00a-12:25p	M W	Gallego Jr R	SAC I-108	Full Semester
59501	11:00a-12:25p	M W	Pham T	SAC R-115	Full Semester
59499	6:00p-9:10p	M	Shaffer C	SAC I-101	Full Semester
59498	7:00p-10:10p	W	Gilmour D	SAC I-108	Full Semester





# CRIMINAL JUSTICE ACADEMIES PROGRAMS

Any questions pertaining to the listed Criminal Justice Programs can be answered by calling the phone number listed by each program title or by calling the Criminal Justice Academies Office at 714-566-9200 or visit our web page at [www.sac.edu/cja](http://www.sac.edu/cja). To insure open enrollment, class availability and scheduling flexibility while meeting the training needs of Law Enforcement and other public safety agencies, classes are scheduled on an as-needed basis. It is important that you call for exact class times and dates. Please note that many of the classes listed have a prerequisite requirement.

## Basic Police Academy

CJA: 100 952 hrs–20 Units

Prerequisite: Criminal Justice 010 and Admission to the course through Criminal Justice Academies office

Call CJA – 714-566-9200

- Student will receive instruction in all areas of Criminal Justice as Required by P.O.S.T.
- For entry-level law enforcement officers.
- This course is offered in cooperation with the Orange County Sheriff's Department.

## Range Training

Prerequisite: CJA 100 or Level III Reserve or Module III

Call CJA – 714-566-9200

- 12 Gauge Less-Lethal Munitions
- Advanced Handgun Skills
- Field Tactics Shotgun–4 hr
- Handgun skills and Knowledge–4 hr
- Immediate Action/Rapid Deployment–8 hr
- Laser Firearms–8 hr
- Low Light Shotgun–24 hr
- Motorcycle Tactics Update–10 hr
- Patrol Rifle–40 hr
- Police Carbine–8 hr
- Shotgun–8 hr
- Special Weapons/Tactics Team–16 hr
- Tactical Covert/Crisis Entry–16 hr
- Tactical Firearms–8 hr
- Tactics for Survival–24 hr

## Arrest and Control Training

Prerequisite: CJA 100 or Level III Reserve or Module III

Call CJA – 714-566-9200

- Arrest & Control Update–8 & 4 hr
- Training the Trainer/Instructor Course–40 hr

## Training for Custody Officers

Prerequisite:

Must be Employed in Law Enforcement

Call CJA – 714-566-9200

- Custody/Corrections Update–8hr
- Jail Security for Records Clerks–8 hr
- Corrections Core Course–200 hr
- Correctional Services Asst. 384 hr

## Modular Academy

Prerequisite: Admission to the course through the Criminal Justice Academies office.

Call CJA – 714-566-9200

- Module III–178 hours
- Module II–218 hours (Prerequisite: Module III)
- Module I–442 Hours (Prerequisite: Module II)

## Leadership Training

Prerequisite: CJA 100 or Level III Reserve or Module III

Call CJA – 714-566-9200

- Leadership & Mentoring–40 hr
- Supervision–80 hr
- Supervisory–24 hr

## Investigations

Prerequisite: CJA 100 or Level III Reserve or Module III

Call CJA – 714-566-9200

- Investigations–24 hr
- Child Sexual Assaults–8hr
- Designer/Rave Drugs–4 hr
- Drug Abuse Recognition & Alcohol Workshop–24 hr
- Drug Identification–4 hr
- D.R.E. recertification–8 hr
- Gang Awareness–24 hr
- 11550 H&S–24 hr
- Homicide–40 hr
- Child Abuse 1st Responder–8 hr
- Narcotics Investigation–80 hr
- Narcotic Search Warrants–8 hr
- Narcotics Update–4 hr
- Occult Crimes–8 hr
- Sex Crimes–4 hr
- Use of Informants–4 hr
- Undercover Operations–8 hr

## Advanced Officer Training

Prerequisite: CJA 100 or Level III Reserve or Module III

Call CJA – 714-566-9200

- Clan Lab First Responder–16 hr
- Destruction–8 hr
- Domestic Violence–4 hr
- F.T.O.–40 hr
- Mobil Field Force–16 hr
- Officer Safety–24 hr
- Parolee Contacts–4 hr
- Patrol/Police–24 hr
- Police Ethics–4 hr
- Report Writing–24 hr
- Report Writing–4 & 8 hr
- Satanic Cults–8 hr
- Street Gangs–4 hr
- Tactical Communications–4 hr
- Weapons of Mass Destruction–8 hr
- Racial Profiling–8 hr

## Driving Simulator

Prerequisite: CJA 100 or Level III Reserve or Module III

Call CJA – 714-566-9200

- Driving/Force Option Simulator–8 hr

## Miscellaneous Training

Prerequisite: CJA 100 or Level III Reserve or Module III

Call CJA – 714-566-9200

- Advanced Mounted–40 hr
- Basic Bike Patrol–24 hr
- CPR/First Aid–8 hr
- Field Tactics Mounted–8 Hr
- Haz-Mat First Responder–8 hr
- Hazardous Devices–8-40 hr
- Mounted Update–16 hr
- Narcotic K-9–24 hr
- PO Update Harbor & Beaches–16 hr
- Swift water rescue–4 hr
- Requalification–136 hr



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**CRIMINAL JUSTICE 111A, VOLUNTEER INTERNSHIP ACADEMY 3 UNITS**

Students will gain an in-depth understanding of the Orange County Probation Department and the possibilities of a career with that agency or in a related field. (Background check required). Prerequisite: Full background check required.

63701 6:00p-9:10p W Corp J SAC OCPD Full Semester

**CRIMINAL JUSTICE 111B, SUPERVISED INTERNSHIP WORK EXPERIENCE 2 UNITS**

Students will be required to work under supervision of The Orange County Probation Department. Prerequisite: Criminal Justice 198, Volunteer Internship Academy or Criminal Justice 111A.

63702 TBA Corp J SAC OCPD Full Semester

**CRIMINAL JUSTICE 205, CRIMINAL INVESTIGATION PRINCIPLES 3 UNITS**

Basic principles of criminal investigations. Includes aspects of working with the public, specific knowledge necessary for handling crime scenes, interviews, evidence, and surveillance. Heavy emphasis on report writing.

63703 9:30a-10:55a Tu Th Gonis Jr A SAC H-207 Full Semester  
63704 7:00p-10:10p Tu Munn M SAC H-207 Full Semester

**CRIMINAL JUSTICE 209, ORGANIZED CRIME 3 UNITS**

An in-depth study of international organized crime and its social, cultural and economic impact on white collar crime, and political corruption in the host country and the United States. Countries dealt with include, but are not limited to: Italy, Sicily, Japan, China, Colombia, Mexico, Old Soviet Union, Haiti, Cayman Islands and Caribbean.

63705 11:30a-12:55p Tu Th Wright G SAC R-114 Full Semester

**CRIMINAL JUSTICE 210, DRUG ABUSE AND CRIMINAL JUSTICE 3 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.

63706 6:00p-9:10p W Cota R SAC I-209 Full Semester

**CRIMINAL JUSTICE 220, JUVENILE DELINQUENCY AND CONTROL 3 UNITS**

Techniques of handling juvenile offenders and victims diagnosis and referral; prevention and repression of delinquency; organization of community resources; juvenile law and juvenile court procedures.

63707 6:00p-9:10p Th Anderson J SAC I-102 Full Semester

## CRIMINAL JUSTICE ACADEMIES

**CRIMINAL JUSTICE ACADEMIES 009B, FITNESS FOR LAW ENFORCEMENT 0.1 - 0.3 UNITS**

Training designed specifically for law enforcement and those with an interest in entering law enforcement.

61342 6:00p-8:00p Tu Th Sneddon M CJTC-SD 09/11-10/04  
61343 6:00p-8:00p Tu Th Sneddon M CJTC-SD 11/13-12/11

**CRIMINAL JUSTICE ACADEMIES 010, PRE-EMPLOYMENT PREPARATION FOR LAW ENFORCEMENT 1 UNIT**

Criminal Justice career information will be provided. Emphasis will be on preparing students to successfully complete Law Enforcement pre-employment testing including oral boards, physical agility, and training academy requirements.

61150 6:00p-10:00p Tu Th Staff CJTC-SD 10/09-11/03  
W 7:00a-11:00a Sa Staff CJTC-SD

**CRIMINAL JUSTICE ACADEMIES 026A, TRAINING ACADEMY PREPARATION 0.3 UNIT**

This course is designed to prepare the student for the Basic Law Enforcement Academy, Criminal Justice Academies 100. It will include: drill, ceremony, physical training, reporting and speeches.

W 61149 7:00a-4:00p Sa Staff CJTC-SD 09/22-09/29  
physical training gear is mandatory

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

## DANCE

**DANCE 009, DANCE CLASS LABORATORY 0.5 UNIT**

Provides studio rehearsal time to work out dance class assignments and rehearse for concert performances. New and different material each semester. 24 hours earns 0.5 unit. Requires concurrent enrollment in a dance course.

Prerequisite: Concurrent enrollment in a dance class.

Open Entry / Open Exit

60973 TBA Gillette H SAC G-108 Full Semester

**DANCE 010, ADVANCED DANCE CLASS LABORATORY 0.5 UNIT**

Provides studio rehearsal time to work out dance class assignments and rehearse for concert performances. New and different material each semester. 24 hour earns 0.5 unit. Requires concurrent enrollment in a dance course.

Prerequisite: Concurrent enrollment in a dance class.

Open Entry / Open Exit

60974 TBA Kikawa E SAC G-108 Full Semester

**DANCE 100, DANCE HISTORY AND APPRECIATION 3 UNITS**

The development of dance in Western Europe and the U.S. from ancient times to the present. Explores dance as an emerging art form from the Renaissance to the 21st century. Emphasizes the contemporary dance heritage of the United States.

60975 11:30a-12:55p Tu Th Fenton R SAC A-130 Full Semester

**DANCE 102, INTRODUCTION TO DANCE FORMS 3 UNITS**

An introduction to historical and contemporary dance forms through lecture and activity. Experience in ballet, modern, jazz, hip-hop, improvisation, folk, ethnic and/or ritual dance styles. Recommended for future teachers.

60977 8:00a-8:55a M W Garcia R SAC G-108 Full Semester  
9:00a-9:25a M W Garcia R SAC G-108

2 hours per week arranged

**DANCE 105, WORLD DANCE AND CULTURES 3 UNITS**

Dance around the world is studied in its cultural/social context. Emphasis on the different ways dance is used to express ideas about religion, cultural identity, myths and social ideals. Includes cultures from Africa, Asia, Europe, India, Latin America, Middle East, and North America, plus a focus on Southern California. Videotaped performances enhance the course.

61025 9:30a-10:55a Tu Th Kikawa E SAC A-210 Full Semester

**DANCE 107, DANCE CONCERT PERFORMANCE 1 UNIT**

Formal Dance Concert performance experience for dance students. Includes both rehearsal process and a minimum of three on-stage public performances. 48 hours earns one unit. Repertoire and casting vary each semester.

Prerequisite: Audition.

61054 2:15p-3:05p F Gillette H SAC G-108 Full Semester  
3:10p-4:00p F Gillette H SAC G-108

Audition required: Thurs., Aug. 30, 1:00p OR 5:00p G-108. 1.5 hrs per week arranged.

**DANCE 109, PILATES CONDITIONING 0.5 UNIT**

Using exercises designed by Joseph Pilates, students develop strength, stability, coordination and control in the core muscles of the body. Applicable for dance, sports and general conditioning.

61567 5:30p-6:30p M Westergard-Dobson C SAC W-107 08/27-10/17  
5:30p-6:30p W Westergard-Dobson C SAC W-107  
61568 5:30p-6:30p M Westergard-Dobson C SAC W-107 10/22-12/12  
5:30p-6:30p W Westergard-Dobson C SAC W-107

**DANCE 120, INTRODUCTION TO HIP-HOP DANCE 1 UNIT**

An introduction to Hip-Hop dance emphasizing movement technique, dance vocabulary and creative expression. Includes learning routines and the history and culture of Hip-Hop dance. No prior experience necessary.

61574 3:00p-4:00p Th Jensen K SAC W-107 Full Semester  
4:00p-4:55p Th Jensen K SAC W-107

**DANCE 121, INTERMEDIATE HIP-HOP DANCE 1 UNIT**

A continuation of the study of Hip-Hop dance emphasizing movement technique, dance vocabulary and creative expression. Includes more complicated movements, advanced dance combinations and an overview of the historical and cultural context of Hip-Hop. Beginning Hip-Hop recommended.

61575 7:00p-7:50p Tu Jensen K SAC G-108 Full Semester  
7:55p-8:55p Thu Jensen K SAC G-108

**DANCE 201A, BALLET I 2 UNITS**

Introduction to ballet technique and terminology, including basic barre work, center work, and combinations en diagonale. Basic alignment, use of turnout, coordination, and ballet terminology, Dance 201A prepares the student for Dance 201B.

61584 9:30a-10:30a M W Garcia R SAC G-108 Full Semester  
10:30a-10:55a M W Garcia R SAC G-108

1 hour per week arranged

## DANCE AUDITIONS

### Dance Production

Dance 107, 205, 240AB

25-30 dancers are needed.

Auditions for the Dance Concert:

Thursday, August 30, 2012

1:00-2:30 pm and 5:00-6:30 pm,

Santa Ana College Room G-108.

Attend one session only.

Audition is required before enrolling in Dance 107, 240AB, or 205.

Questions? Email Eve Kikawa, Dance Department chair at

kikawa\_eve@sac.edu.

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>DANCE 201B, BALLET II</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Continuation of beginning ballet technique and terminology, including barre work, center work, and combinations en diagonale. Basic alignment, use of turnout, coordination and ballet terminology. Dance 201B utilizes additional combination work and prepares the student for Dance 213. Dance 201A recommended.</i>					
61586	9:00a-10:25a	Tu Th	Perez M	SAC G-108	Full Semester
	10:30a-10:55a	Tu Th	Perez M	SAC G-108	
61585	9:30a-10:30a	M W	Garcia R	SAC G-108	Full Semester
	10:30a-10:55a	M W	Garcia R	SAC G-108	
1 hour per week arranged					
<b>DANCE 202A, CHOREOGRAPHY</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>A class for the general student which defines and explores the elements involved in creating a dance. Students will develop choreographic skills in order to be able to express their ideas through dance movement. Compositions created by students will be performed in the studio. For non-majors only.</i>					
61597	1:00p-2:55p	Tu	Kikawa E	SAC G-108	Full Semester
	1:00p-2:55p	Th	Kikawa E	SAC G-108	
1 hour per week arranged					
<b>DANCE 202B, CHOREOGRAPHY FOR DANCE MAJORS</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>A composition class for dance majors which defines and explores the elements involved in creating a dance. Students will develop choreographic skills emphasizing individual expression of ideas through dance movement. Solo compositions created by students performed in dance studio. Dance majors.</i>					
61598	1:00p-2:55p	Tu	Kikawa E	SAC G-108	Full Semester
	1:00p-2:55p	Th	Kikawa E	SAC G-108	
1 hour per week arranged					
<b>DANCE 205, PERFORMANCE ENSEMBLE</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Pre-professional ensemble to provide performance experience for advanced students. 64 hours earns 2 units. Repertoire and casting vary each semester. Requires audition prior to enrollment. Prerequisite: Audition.</i>					
61599	2:15p-3:05p	F	Gillette H	SAC G-108	Full Semester
	3:10p-6:15p	W	Gillette H	SAC G-108	
Audition required. Thurs., Aug. 30, 1:00p, OR 5:00p, G-108.					
<b>DANCE 206A, MODERN DANCE I</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>An introduction to modern dance emphasizing movement technique, dance vocabulary and creative individual expression. Includes an introduction to choreographic principles and cultural context of modern dance. Students learn modern dance exercises and short works of dance. Video, concerts, and master classes enrich the course. Prepares the student for Dance 206B.</i>					
61601	11:00a-11:55a	M	Gillette H	SAC G-108	Full Semester
	12:00p-12:55p	M	Gillette H	SAC G-108	
	11:00a-12:55p	W	Gillette H	SAC G-108	
<b>DANCE 206B, MODERN DANCE II</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Continued study in modern dance emphasizing movement technique, dance vocabulary and creative individual expression. Includes an introduction to choreographic principles and cultural context of modern dance. Video, concerts and master classes enrich the course. Dance 206B is a continuation and refinement of work begun during Dance 206A. Prerequisite: Dance 206A or Audition.</i>					
61602	11:00a-11:55a	Tu	Gillette H	SAC G-108	Full Semester
	12:00p-12:55p	Tu	Gillette H	SAC G-108	
	11:00a-12:55p	Th	Gillette H	SAC G-108	
<b>DANCE 209, MODERN DANCE III</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Provides the continuing modern dance student opportunity to concentrate on more advanced steps and development of technical skills. Emphasizes combinations, choreography and performance style. Dance 206 recommended.</i>					
61604	11:00a-11:55a	Tu	Gillette H	SAC G-108	Full Semester
	12:00p-12:55p	Tu	Gillette H	SAC G-108	
	11:00a-12:55a	Th	Gillette H	SAC G-108	
<b>DANCE 210, MODERN DANCE IV</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Continuing study of technique including more complicated combinations and advanced material. Emphasizes movement, expression, composition techniques and comparison of modern dance styles. Dance 209 recommended. May be repeated.</i>					
61617	11:00a-11:55a	Tu	Gillette H	SAC G-108	Full Semester
	12:00p-12:55p	Tu	Gillette H	SAC G-108	
	11:00a-12:55p	Th	Gillette H	SAC G-108	
<b>DANCE 213, BALLET III</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Study of ballet technique and terminology on the intermediate level. Course content includes center adagio, jumps with beats, pirouettes, and movement combinations. Intermediate variations are also learned and performed in class.</i>					
61618	9:00a-9:55a	Tu	Perez M	SAC G-108	Full Semester
	10:00a-10:55a	Tu	Perez M	SAC G-108	
	9:00a-10:55a	Th	Perez M	SAC G-108	

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>DANCE 214, BALLET IV</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Continuing study of technique and terminology. Emphasizes longer, more intricate movement combinations and development of balletic style. Stresses expression and technique at high/intermediate level. Includes ballet history and comparisons of various ballet styles.</i>					
61620	9:00a-9:55a	Tu	Perez M	SAC G-108	Full Semester
	10:00a-10:55a	Tu	Perez M	SAC G-108	
	9:00a-10:55a	Th	Perez M	SAC G-108	
<b>DANCE 219A, JAZZ DANCE I</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Introduction to jazz dance emphasizing movement technique, vocabulary and creative expression. Includes an introduction to choreographic principles and cultural context of jazz. Historical and contemporary forms are studied. Videos, concerts and master classes enrich the course.</i>					
61621	1:00p-2:00p	M	Gillette H	SAC G-108	Full Semester
	2:05p-3:00p	M	Gillette H	SAC G-108	
	1:00p-3:00p	W	Gillette H	SAC G-108	
<b>DANCE 219B, JAZZ DANCE II</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Continued study in jazz dance emphasizing movement technique, vocabulary and creative expression. Includes an introduction to choreographic principles and cultural context of jazz. Historical and contemporary forms are studied. Movement repertoire differs from 219A.</i>					
61622	1:00p-1:55p	M	Gillette H	SAC G-108	Full Semester
	2:00p-2:55p	M	Gillette H	SAC G-108	
	1:00p-2:55p	W	Gillette H	SAC G-108	
61649	5:00p-5:55p	Tu	Jensen K	SAC G-108	Full Semester
	6:00p-6:55p	Tu	Jensen K	SAC G-108	
	5:00p-6:55p	Th	Jensen K	SAC G-108	
<b>DANCE 220, JAZZ DANCE III</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Instruction for the continuing jazz dance student in intermediate jazz steps and further development of technical skills. Emphasis will be placed on combinations, choreography, performance style and cultural context of jazz. Historical and contemporary forms are studied. Dance 219B recommended.</i>					
61652	5:00p-5:55p	Tu	Jensen K	SAC G-108	Full Semester
	6:00p-6:55p	Tu	Jensen K	SAC G-108	
	5:00p-6:55p	Th	Jensen K	SAC G-108	
<b>DANCE 221, JAZZ DANCE IV</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Continuing study of jazz dance concentrating on advanced combinations with emphasis on movement technique, vocabulary and performance style. Includes study of choreography, cultural context of jazz and comparisons of historical and contemporary jazz styles. Dance 220 recommended.</i>					
61654	5:00p-5:55p	Tu	Jensen K	SAC G-108	Full Semester
	6:00p-6:55p	Tu	Jensen K	SAC G-108	
	5:00p-6:55p	Th	Jensen K	SAC G-108	
<b>DANCE 240A, REPERTORY I</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Students develop and improve rehearsal and performance skills through learning a repertoire of dances. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Prerequisite: Audition.</i>					
61849	3:15p-4:05p	W	Kikawa E	SAC W-107	Full Semester
	4:10p-5:15p	W	Kikawa E	SAC W-107	
	3:15p-5:15p	F	Kikawa E	SAC W-107	
Audition required. Attend 8/30/12 at 1:00p, OR 5:00p, G-108.					
<b>DANCE 240B, REPERTORY II</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Continued refinement of rehearsal and performance skills through learning a more difficult repertoire of dances. Includes preparation for public concerts and performances at different venues. Dances vary each semester. Prerequisite: Audition.</i>					
61850	3:15p-4:05p	W	Kikawa E	SAC W-107	Full Semester
	4:10p-5:15p	W	Kikawa E	SAC W-107	
	3:15p-5:15p	F	Kikawa E	SAC W-107	
<b>DANCE 296, SPECIAL STUDIES IN MODERN DANCE</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>An intermediate/advanced level course offering individualized and accelerated instruction in modern dance techniques.</i>					
61665	11:00a-11:55a	Tu	Gillette H	SAC G-108	Full Semester
	12:00p-12:55p	Tu	Gillette H	SAC G-108	
<b>DANCE 297, SPECIAL STUDIES IN JAZZ DANCE</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>An intermediate/advanced level course offering individualized and accelerated instruction in jazz dance techniques.</i>					
61666	5:00p-5:55p	Tu	Jensen K	SAC G-108	Full Semester
	6:00p-6:55p	Tu	Jensen K	SAC G-108	
<b>DANCE 298, SPECIAL STUDIES IN DANCE</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>An intermediate/advanced level course offering individualized and accelerated instruction in dance techniques. Prerequisite: Must complete two dance courses in ballet, jazz or modern dance.</i>					
61668	9:00a-9:55a	Tu	Perez M	SAC G-108	Full Semester
	10:00a-10:55a	Tu	Perez M	SAC G-108	

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

## DIESEL

### DIESEL 008, OXYACETYLENE-ARC WELDING 3 UNITS

Technical knowledge and basic skills needed for occupational oxyacetylene and arc welding processes and applications. Students must furnish safety equipment. (Same as Automotive Technology 008 and Welding 008.)

63751	8:30a-12:10p	Tu Th	Moreno G	SAC K-101	Full Semester
63756	6:00p-9:40p	Tu Th	Moreno G	SAC K-101	Full Semester

### DIESEL 009, CHASSIS OVERHAUL 8 UNITS

Inspection, service and overhaul procedures used on medium and heavy duty axles, steering and suspension components, clutches, transmissions, drivelines, differentials and air brake systems.

63553	8:00a-12:00p	M Tu W Th	Hogue T	SAC K-115	Full Semester
-------	--------------	-----------	---------	-----------	---------------

### DIESEL 040, DIESEL ELECTRICAL SYSTEMS 5 UNITS

Diagnosis, service, and repair procedures for starting, charging, lighting, and instrument systems. Students furnish safety equipment and protective clothing.

63554	6:00p-10:40p	Tu Th	Hogue T	SAC K-115	Full Semester
-------	--------------	-------	---------	-----------	---------------

### DIESEL 095, DIESEL LAB EXPERIENCE 0.5 - 4 UNITS

This diesel lab course is designed to give the diesel student lab experience in a diesel course previously completed with a grade of C or better. The student must be enrolled by the instructor. Students must furnish hand tools and safety equipment. May be repeated to a maximum of 4 units. (Same as Automotive Technology 095.)

Prerequisite: Completion of corresponding Diesel course with a grade of C or better.

Open Entry / Open Exit

63555	TBA		Hogue T	SAC K-115	Full Semester
-------	-----	--	---------	-----------	---------------

## EARTH SCIENCE

### EARTH SCIENCE 110, INTRODUCTION TO EARTH SCIENCE 3 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.

61782	8:00a-9:25a	Tu Th	Coyne C	SAC R-124	Full Semester
61787	9:00a-12:10p	F	Eastmond D	SAC R-126	Full Semester
61791	9:00a-12:10p	Sa	Greenwood R	SAC R-111	Full Semester
61792	1:15p-4:25p	M	Coyne C	SAC R-111	Full Semester
61789	7:00p-10:10p	W	Greenwood R	SAC R-318	Full Semester

### EARTH SCIENCE 115, EARTH SCIENCE FOR EDUCATORS 4 UNITS

The study of the dynamic forces shaping the earth, including its oceans and atmosphere. This class is open to all majors but is oriented towards enhancing the earth science knowledge of future teachers. Also includes an introduction to the solar system. Not open to students who are enrolled or have credit in Earth Science 110, Geology 101 or Geography 101.

61799	9:45a-12:55p	Tu	Coyne C	SAC R-328	Full Semester
	9:45a-12:55p	Th	Coyne C	SAC R-328	

### EARTH SCIENCE 150, INTRODUCTION TO OCEANOGRAPHY 3 UNITS

Introductory study of the ocean and its topography, sediments, circulation, shoreline processes, biological productivity and mineral resources. (Same as Geology 150.)

61819	11:30a-12:55p	M W	Hughes P	SAC R-111	Full Semester
-------	---------------	-----	----------	-----------	---------------

## ECONOMICS

### ECONOMICS 120, PRINCIPLES/MACRO 3 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. Mathematics 060 or Mathematics 061 are recommended.

60558			Ho L	SAC HYBRID	Full Semester
	10:00a-11:30a	Sa	Ho L	SAC A-211	
	Section 60558 Online instruction plus mandatory on campus meetings: Saturday 9/1, 11/10, 12/8 from 10:00a-11:30a in SAC A-211. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (ho_lac@sac.edu).				
60553	8:00a-9:25a	M W	Montes A	SAC D-209	Full Semester
60554	9:45a-11:10a	Tu Th	Montes A	SAC D-209	Full Semester
60556	11:30a-12:55p	Tu Th	Montes A	SAC D-209	Full Semester
60557	7:00p-10:10p	W	Montes A	SAC D-101	Full Semester

### FIRST CLASS MEETING

Make sure you attend the first class meeting!

Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

### ECONOMICS 121, PRINCIPLES/MICRO 3 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. Mathematics 060 or Mathematics 061 are recommended.

60561			Ho L	SAC HYBRID	Full Semester
	11:40a-1:10p	Sa	Ho L	SAC A-211	
	Section 60561 Online instruction plus mandatory on campus meetings: Saturdays 9/1, 11/10, 12/8 from 11:40a-1:10p in SAC A-211. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (ho_lac@sac.edu).				
60562	8:00a-9:25a	Tu Th	Montes A	SAC D-209	Full Semester
60563	11:30a-12:55p	M W	Montes A	SAC D-209	Full Semester
60564	7:00p-10:10p	Th	Montes A	SAC D-209	Full Semester

## EDUCATION

### EDUCATION 100, INTRODUCTION TO EDUCATION 3 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. Two to three additional hours per week will be arranged for field experience in a local school. Minimum of 32 hours total is required.

63768	1:00p-2:25p	M W	Naman T	SAC V-150	Full Semester
	Section 63768 has 2 hours arranged per week.				
63767	6:00p-9:10p	M	Silverman L	SAC I-207	Full Semester
	Section 63767 has 2 hours arranged per week				

### EDUCATION 204, PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGIES FOR 3 UNITS

Development of personal proficiency in educational technology to facilitate the teaching process. Training in computer hardware and software terminology; spreadsheets, word processing, publication, and presentation applications; Internet search and retrieval; information literacy; electronic communication and awareness of legal and ethical issues.

63769			Naman T	SAC HYBRID	Full Semester
	Section 63769 combines online instruction plus mandatory on-campus meetings on Wednesdays, 8/29, 9/5 and then every other Wednesday from 7:30p-10:40p in SAC, T-203-1. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (naman_trudy@sac.edu).				

### EDUCATION 205, PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGY FOR 3 UNITS

Development of proficiency in educational technology to facilitate the teaching process. Training in computer hardware and software terminology; spreadsheet, word processing, publication, and presentation applications; Internet search and retrieval; information literacy; electronic communication and awareness of legal and ethical issues.

63771			Naman T	SAC HYBRID	Full Semester
	Section 63771 combines online instruction plus mandatory on-campus meetings on Wednesdays, 8/29, 9/5 and then every other Wednesday from 7:30p-10:40p in SAC, T-203-1. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (naman_trudy@sac.edu).				

## EMERGENCY MEDICAL TECHNICIAN

### EMERGENCY MEDICAL TECHNICIAN 101, EMERGENCY MEDICAL TECHNICIAN 7.5 UNITS

Basic course for EMT. Satisfies requirements for County/State EMS Authority. Prepares student to take O.C.E.M.S./National Registry certifying exam for state certification.

60615	8:00a-10:55a	M W	Dethlefsen E	SAC R-307	Full Semester
	11:00a-1:35p	M W	Dethlefsen E	SAC R-307	
	A current American Heart Association CPR card for HEALTH CARE PROVIDER is required to be shown the first day of class for ALL EMT students. Failure to comply will result in being dropped from the class.				
60616	8:00a-10:55a	Tu Th	Dethlefsen E	SAC R-307	Full Semester
	11:00a-1:35p	Tu Th	Dethlefsen E	SAC R-307	
	A current American Heart Association CPR card for HEALTH CARE PROVIDER is required to be shown the first day of class for ALL EMT students. Failure to comply will result in being dropped from the class.				

### EMERGENCY MEDICAL TECHNICIAN 105, CLINICAL EMT SKILLS LABORATORY 0.5 UNIT

Supervised use of skills lab to assist the student in development of clinical competency and mastery of psychomotor skills. Hours verified by instructor.

60617	TBA	F	Dethlefsen E	SAC R-307	11/09-12/14
	24 hours to be arranged				

**Academic Planning Questions?**  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>EMERGENCY MEDICAL TECHNICIAN 111, RECERTIFICATION FOR EMT I-BASIC 2 UNITS</b>					

Update emergency medical techniques, equipment, and EMSA policies. Meets state requirements for EMT-1 Basic recertification.

Prerequisite: Valid EMT I (Basic) certificate or equivalent within past two years. Valid CPR card: Health Care Provider

W 60618	8:30a-12:30p	F Sa	Dethlefsen E	SAC R-307	10/12-10/20
	1:00p-5:10p	F Sa	Dethlefsen E	SAC R-307	

A current American Heart Association CPR card for HEALTH CARE PROVIDER is required to be shown the first day of class for ALL EMT re-certification students.

## ENGINEERING

<b>ENGINEERING 011, BASIC BLUEPRINT READING 2 UNITS</b>					
Reading and interpreting blueprints for manufacturing. (Same as Manufacturing Technology 011.)					
64047	10:00a-12:00p	M	Staff	SAC A-216	Full Semester

W 64185	5:00p-7:05p	F	Farmer B	SAC A-130	Full Semester
---------	-------------	---	----------	-----------	---------------

<b>ENGINEERING 012, AEC BLUEPRINT READING 3 UNITS</b>					
Reading and interpreting blueprints for Architecture, Civil Engineering, Construction, (AEC). Information in this course provides preparation for more advanced AEC coursework. Recommended for students with no prior course(s) in blueprint reading.					
H 61821			Staff	SAC HYBRID	Full Semester

10:00a-12:00p M  
Section 61821 Hybrid instruction combines mandatory on campus meetings every Mon., 10:00a-12:00p, SAC A-216 plus online instruction.

<b>ENGINEERING 051, BASIC TECHNICAL DRAWING 3 UNITS</b>					
Principles of mechanical drawing including projections, views, dimensions, and conventions, utilizing sketches and computer drafting program. Designed for students with no prior mechanical drawing experience. Suggested preparation: Engineering 183 (may be taken concurrently).					
H 61826			Takahashi C	SAC HYBRID	Full Semester

6:00p-10:00p Tu  
Section 61826 Hybrid instruction combines mandatory on campus meetings every Tues., 6:00p-10:00p, SAC A-214 plus online instruction.

<b>ENGINEERING 100A, INTRODUCTION TO ENGINEERING 2 UNITS</b>					
Introduction to major fields of Engineering (including mechanical, electrical, industrial, biomedical, aerospace, and others.) Includes an overview of academic programs, career information and preparation requirements, virtual or in person field trips, and guest speakers.					
61831	7:00p-9:00p	W	Takahashi C	SAC A-214	Full Semester

<b>ENGINEERING 100B, INTRODUCTION TO ARCHITECTURE/CIVIL ENGINEERING / CONSTRUCTION (AEC) 2 UNITS</b>					
Introduction to the Architectural, Civil Engineering, Construction (AEC) fields. Includes an overview of academic programs, career information and preparation requirements, virtual or in person field trips, and guest speakers.					
H 61833			Sherod S	SAC HYBRID	Full Semester

6:00p-6:55p Th  
Section 61833 Hybrid instruction combines mandatory on campus meetings every Thurs., 6:00p-6:55p, SAC A-216 plus online instruction.

<b>ENGINEERING 103, SOLIDWORKS BASIC SOLID MODELING 3 UNITS</b>					
Introductory course in parametric solid modeling. This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, sweep, primitive, fillet, chamfer, etc.), including the preparation of individual solid components and basic solid model assemblies. (Same as Manufacturing Technology 103.)					
64154	7:00p-10:10p	W	Cole J	SAC T-203	Full Semester

Section 64154 has 2 hours arranged per week.

64156	7:00p-10:10p	Tu	Corley G	SAC T-203	Full Semester
-------	--------------	----	----------	-----------	---------------

Section 64156 has 2 hours arranged per week.

<b>ENGINEERING 105, SOLIDWORKS ADVANCED SOLID MODELING 3 UNITS</b>					
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.					
64159	7:00p-10:10p	Th	Cole J	SAC T-203	Full Semester

Section 64159 has 2 hours arranged per week.

<b>ENGINEERING 110, ADVANCED CAD APPLICATIONS 0.5 - 4 UNITS</b>					
Individual skill development for advanced students desiring to learn special applications using college licensed computer drafting and design software. Each 0.5 unit of credit requires 24 laboratory hours. Suggested preparation: Engineering 184.					
Open Entry / Open Exit					
H 61852			Staff	SAC WEB	Full Semester

Section 61852 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first day of class.

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>ENGINEERING 112, SOCIETY AND THE BUILT ENVIRONMENT 3 UNITS</b>					

An introductory course that explores the far reaching impacts of society on the built environment. A multidisciplinary examination of Western and Non-Western society's ethics, economics, culture, ecology, processes, technology and tools on trends and developments of the built environment.

O 63364			Sherod S	SAC WEB	Full Semester
---------	--	--	----------	---------	---------------

Section 63364 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class. (sherod\_susan@sac.edu)

<b>ENGINEERING 122, ENGINEERING DRAWING 3 UNITS</b>					
Principles of engineering drawing: projections, views, sections, dimensions, tolerancing, assemblies, manufacturing processes, engineering drafting practices. Utilizing sketches and computer drafting program. Suggested preparation: Engineering 051 and 183 (Engineering 183 may be taken concurrently).					
H 62041			Takahashi C	SAC HYBRID	Full Semester

6:00p-10:00p Th  
Section 62041 Hybrid instruction. Combines mandatory on-campus meetings every Thurs, 6:00p-10:00p, SAC A-214 plus online instruction.

<b>ENGINEERING 124, ADVANCED DRAWING 3 UNITS</b>					
Advanced topics in engineering drawing and design - working drawings, fasteners, cams, gears, auxiliary views, advanced sectioning, dimensioning, tolerancing. Utilizing sketches and computer drafting program. Suggested preparation: Engineering 122 or 125.					
H 62052			Takahashi C	SAC HYBRID	Full Semester

6:00p-10:00p Th  
Section 62052 Hybrid instruction. Combines mandatory on-campus meetings every Thurs, 6:00p-10:00p, SAC A-214 plus online instruction.

<b>ENGINEERING 130A, CATIA SOLID MODELING I 3 UNITS</b>					
Introductory course in parametric solid modeling CAD using CATIA software. Topics include: CAD overview, sketching, basic solid model creation (base features, extrudes, revolves, etc.) sketch constraints, reference elements, hole features, feature editing, assembly and drawing creation. (Same as Manufacturing Technology 130A).					
Software Utilized: CATIA V.5.R19					
O 62053			Cole J	SAC WEB	Full Semester

Section 62053 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

<b>ENGINEERING 130B, CATIA SOLID MODELING II 3 UNITS</b>					
Intermediate course in parametric solid modeling CAD using CATIA software. Topics intermediate level sketching, modeling (ribs, slots, lofts), feature transformation, assemblies, drafting workbench, surface modeling, and other CATIA modules. Suggested Preparation: Engineering 130A.					
Software Utilized: CATIA V.5.R19					
O 62054			Cole J	SAC WEB	Full Semester

Section 62054 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

<b>ENGINEERING 132, INTRODUCTION TO ROBOTICS 3 UNITS</b>					
Introductory course in robotics. Topics include history of robotics, impact of robotics in modern engineering, industrial automation, emerging technologies, basic design, sensors, circuitry, actuators, mechanics, programming, and a hands-on robot design and construction project.					
H 64051			Takahashi C	SAC HYBRID	Full Semester

6:00p-9:00p Tu  
Section 64051 Hybrid instruction combines mandatory on campus meetings every Tues., 6:00p-9:00p, SAC A-214 plus online instruction.

<b>ENGINEERING 140A, PROENGINEER SOLID MODELING I 3 UNITS</b>					
Introductory course in parametric solid modeling CAD using ProEngineer software. Topics include sketches, sketch constraints, part modeling and editing, assemblies, drawing creation and views, dimensioning, and annotations.					
Software Utilized: ProEngineer Wildfire 5.0					
H 62056			Rodriguez Ponce L	SAC HYBRID	Full Semester

5:30p-8:30p W  
Section 62056 Hybrid instruction. Combines mandatory on-campus meetings every Wed, 5:30p-8:30p, SAC A-225 plus online instruction.

**Can't find the class you need?**

**It may be waiting for you at  
Santiago Canyon College!**

**View SCC's class schedule at  
[www.sccollege.edu/schedule](http://www.sccollege.edu/schedule)**

**Hurry! Class sizes are limited.**



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**ENGINEERING 140B, PROENGINEER SOLID MODELING II 3 UNITS**

Intermediate course in parametric solid modeling CAD using ProEngineer software. Topics intermediate level sketching, part modeling and modification, assemblies, drawing, surface modeling, and other ProE modules. Suggested preparation - Engineering 140A.

**Software Utilized: ProEngineering Wildfire 4**

[H]	64054	5:30p-8:30p	W	Rodriguez Ponce L	SAC HYBRID Full Semester
				Rodriguez Ponce L	SAC A-225

Section 64054 Hybrid instruction. Combines mandatory on-campus meetings every Wed, 5:30p-8:30p, SAC A-225 plus online instruction.

**ENGINEERING 142, ARCHITECTURE/CIVIL ENGINEERING/CONSTRUCTION (AEC) DRAFTING STANDARDS 4 UNITS**

Basic AEC graphic standards using computer drafting. Topics include ecological terms and concepts, plans, elevations, sections, schedules, structures, abbreviations, lettering, symbols and linetypes. Recommended preparation Engineering 012 and 184.

Prerequisite: Engineering 183.

[H]	64055	5:00p-8:00p	M	Sherod S	SAC HYBRID Full Semester
				Sherod S	SAC A-216

Section 64055 Hybrid instruction. Combines mandatory on-campus meetings every Mon, 5:00p-8:00p, SAC A-216 plus online instruction.

**ENGINEERING 165, INTRODUCTION TO ENERGY 3 UNITS**

Students will gain a broad understanding of energy concepts, efficiencies, conservation, distribution, careers and cost-benefit analysis of energy resource use. The study of both renewable and non-renewable energy will be included.

[H]	64067	6:00p-9:00p	Tu	Rodriguez Castillo M	SAC A-225 Full Semester
-----	-------	-------------	----	----------------------	-------------------------

**ENGINEERING 175, INTRODUCTION TO ENERGY ANALYSIS 4 UNITS**

This course is focused on energy analysis with respect to energy conservation, energy auditing, and CA Title 24 requirements. Calculations will be performed manually and with the assistance of software applications. Career tracks in energy analysis will be explored. Energy concepts, heat loss calculations, basic solar concepts, site selection, design improvements, appliances, and utility systems will be covered within this course.

[H]	64068	6:00p-9:00p	Tu	Rodriguez Castillo M	SAC HYBRID Full Semester
				Rodriguez Castillo M	SAC A-225

Section 64068 Hybrid instruction combines mandatory on campus meetings every Tues, 6:00p-9:00p, SAC A-225 plus online instruction.

**ENGINEERING 183, AUTOCAD I - COMPUTER AIDED DRAFTING 3 UNITS**

A first course in computer drafting using AutoCAD software. Topics include: display and file management, units, entities, object selection, advanced editing, layers, dimensions, text, graphic exchange.

**Software Utilized: AutoCAD 2012**

[H]	62127	5:30p-7:30p	W	Sherod S	SAC HYBRID Full Semester
				Sherod S	SAC A-216

Section 62127 Hybrid instruction combines mandatory on campus meetings every Wed, 5:30p-7:30p, SAC A-216 plus online instruction.

[H]	64072	6:00p-10:00p	M	Gallegos H	SAC HYBRID Full Semester
				Gallegos H	SAC A-225

Section 64072 Hybrid instruction combines mandatory on campus meetings every Mon, 6:00p-10:00p, SAC A-225 plus online instruction.

[H]	62117	8:00a-12:10p	Sa	Fonseca J	SAC HYBRID Full Semester
				Fonseca J	SAC A-225

Section 62117 Hybrid instruction combines mandatory on campus meetings every Sat, 8:00a-12:10p, SAC A-225 plus online instruction.

[H]	62097	5:00p-8:00p	M	Sherod S	SAC HYBRID Full Semester
				Sherod S	SAC A-216

Section 62097 Hybrid instruction combines mandatory on campus meetings every Mon, 5:00p-8:00p, SAC A-216 plus online instruction.

**ENGINEERING 184, AUTOCAD II - COMPUTER AIDED DRAFTING 3 UNITS**

Intermediate course in the use of AutoCAD software. Topics include blocks, hatches, attributes, inquiry, and 3-D introduction. Recommended preparation: Engineering 183.

**Software Utilized: AutoCAD 2012**

[H]	62121	8:00a-12:10p	Sa	Fonseca J	SAC HYBRID Full Semester
				Fonseca J	SAC A-225

Section 62121 Hybrid instruction combines mandatory on campus meetings every Sat, 08:00a-12:10p, SAC A-225 plus online instruction.

[H]	62129	5:30p-7:30p	W	Sherod S	SAC HYBRID Full Semester
				Sherod S	SAC A-216

Section 62129 Hybrid instruction combines mandatory on campus meetings every Wed, 5:30p-7:30p, SAC A-216 plus online instruction.

[H]	64074	6:00p-10:00p	M	Gallegos H	SAC HYBRID Full Semester
				Gallegos H	SAC A-225

Section 64074 Hybrid instruction combines mandatory on campus meetings every Mon, 6:00p-10:00p, SAC A-225 plus online instruction.

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**ENGINEERING 186, AUTOCAD 3-DIMENSIONAL DRAWING 3 UNITS**

Use of AutoCAD's 3-dimensional software. Includes 3-D models, extruding to 3-D, coordinate space, filter, and dynamic viewing. Recommended preparation: Engineering 184.

**Software Utilized: AutoCAD 2012**

[H]	62144	6:00p-10:10p	Th	Galvez R	SAC HYBRID Full Semester
				Galvez R	SAC A-225

Section 62144 Hybrid instruction combines mandatory on campus meetings every Thur, 6:00p-10:10p, SAC A-225 plus online instruction.

**ENGINEERING 187, ADVANCED 3-D AUTOCAD 3 UNITS**

Advanced use of AutoCAD's 3-Dimensional software. Includes: merging of models, advanced modeling, calculations, 3-dimensional rendering and presentation. Suggested preparation: Engineering 186.

**Software Utilized: AutoCAD 2012**

[H]	62145	6:00p-10:00p	Th	Galvez R	SAC HYBRID Full Semester
				Galvez R	SAC A-225

Section 62145 Hybrid instruction combines mandatory on campus meetings every Thur, 6:00p-10:00p, SAC A-225 plus online instruction.

**ENGINEERING 191, CIVIL CAD CONCEPTS 3 UNITS**

Fundamental principles, operation techniques and practices of two dimensional design using MicroStation computer aided drafting and design software emphasizing Civil Engineering applications, to create, modify, store and plot graphic data.

**Software Utilized: MicroStation V8i**

[H]	64069	6:00p-10:00p	M	Galvez R	SAC HYBRID Full Semester
				Galvez R	SAC A-214

Section 64069 Hybrid instruction combines mandatory on campus meetings every Mon, 6:00p-10:00p, SAC A-214 plus online instruction.

**ENGINEERING 193, MICROSTATION 3-D 3 UNITS**

Theory, concepts, techniques and practices of three dimensional design using MicroStation computer aided drafting and design software. Topics include: surfaces, solids, shade, and color. Suggested preparation: Engineering 191.

**Software Utilized: MicroStation V8i**

[H]	64071	6:00p-10:00p	M	Galvez R	SAC HYBRID Full Semester
				Galvez R	SAC A-214

Section 64071 Hybrid instruction combines mandatory on campus meetings every Mon, 6:00p-10:00p, SAC A-225 plus online instruction.

**ENGINEERING 235, STATICS 3 UNITS**

The first part of mechanics, as applied to static force systems and equilibrium conditions occurring in engineering problems. Includes some graphical methods and the use of diagrams as an aid to algebraic solutions. Utilizes SI metrics.

Prerequisite: Physics 217 & Mathematic 185 (both may be taken concurrently)

[H]	62146	4:00p-6:55p	W	Takahashi C	SAC A-214 Full Semester
-----	-------	-------------	---	-------------	-------------------------

## ENGLISH

**ENGLISH N50, INTRODUCTION TO WRITTEN COMMUNICATION 3 UNITS**

Introduction to written communication including autobiographical, journal and summary writing, and responding to essays. Basic grammar and punctuation. Not applicable to associate degree. Students may be referred to the Writing Center.

Prerequisite: Qualifying profile from English placement process. Qualifying profile from English placement process.

60894	7:30a-8:55a	M W	Mitzner R	SAC D-204	Full Semester
60892	8:00a-9:25a	Tu Th	Cons A	SAC I-201	Full Semester

Section 60892 is linked to Counseling 107, The Freshman Experience, Section 59468. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.

60895	8:00a-9:25a	Tu Th	Pecenovic N	SAC I-207	Full Semester
60891	9:45a-11:10a	M W	Beyersdorf M	SAC D-108	Full Semester
60893	7:00p-10:10p	Tu	Barraza G	SAC I-209	Full Semester
60896	7:00p-10:10p	Tu	Reid M	SAC I-101	Full Semester

**Be connected-stay connected**  
 Keep up to date on campus news.  
 Connect with friends on campus.

Become a Facebook Fan



<http://www.facebook.com/SantaAnaCollege>



Follow SAC on Twitter

<http://twitter.com/#!/SantaAnaCollege>

SANTA ANA COLLEGE

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**ENGLISH N60, BASICS OF EFFECTIVE WRITING****3 UNITS**

*Sentence structure and paragraph writing including reading-based modeling and integrated study skills. Not applicable to associate degree. 16 additional hours in Writing Center required (one hour per week for 16-week semester sections).*

Prerequisite: Grade of C or better in English N50 or qualifying profile from English placement process.

**NOTE: ENGLISH N60 CLASSES REQUIRE 16 ADDITIONAL HOURS IN WRITING CENTER.  
ONE HOUR PER WEEK FOR 16-WEEK SEMESTER**

60897	7:30a-9:35a	M W	Bassett D	SAC D-108	Full Semester
60898	7:30a-9:35a	Tu Th	Beyersdorf M	SAC D-109	Full Semester
60900	8:00a-10:05a	Tu Th	Sosta R	SAC T-212	Full Semester
16 lab hours required, one hour per week. Section 60900 is linked to Counseling 107, The Freshman Experience, Section 59469. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.					
60907	8:00a-10:05a	M W	Munoz J	SAC D-208	Full Semester
60906	8:00a-10:05a	M W	Griffin A	SAC I-109	Full Semester
60899	9:15a-11:20a	M W	Brandon K	SAC I-107	Full Semester
60904	9:15a-11:20a	Tu Th	Brandon K	SAC I-206	Full Semester
60903	9:45a-11:50a	Tu Th	Staff	SAC D-201	Full Semester
60901	10:15a-12:20p	M W	Bassett D	SAC I-207	Full Semester
16 lab hours required, one hour per week. Section 60901 is linked to Counseling 107, The Freshman Experience, Section 59467. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.					
60905	11:15a-1:20p	Tu Th	Pecenkov N	SAC D-205	Full Semester
60902	11:30a-1:35p	Tu Th	Sosta R	SAC I-109	Full Semester
60908	6:00p-10:15p	Tu	Hassel E	SAC D-108	Full Semester

**ENGLISH 061, INTRODUCTION TO COMPOSITION****3 UNITS**

*Expository paragraph writing emphasizing various methods including argumentation. Practice in refining sentence skills and grammar. 16 additional hours in Writing Center required.*

Prerequisite: Grade of C or better in English N60 or qualifying profile from English placement process.

**NOTE: ENGLISH 061 CLASSES REQUIRE 16 ADDITIONAL HOURS IN WRITING CENTER.  
ONE HOUR PER WEEK FOR 16-WEEK SEMESTER**

<b>H</b> 60753	4:30p-6:50p	Th	Bennett G Bennett G	SAC HYBRID SAC I-104	Full Semester
16 virtual lab hours required, one hour per week. Section 60753 combines online instruction plus mandatory on campus meetings: Thursday 8/30, 9/27, 11/1, 12/13 from 4:30p-6:50p, SAC I-104. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class. (bennett_gary@sac.edu)					
60770	7:00a-9:05a	M W	Mijares J	SAC I-107	Full Semester
60752	7:00a-9:05a	M W	Beyersdorf M	SAC D-212	Full Semester
60769	7:30a-9:35a	M W	Tran M	SAC D-107	Full Semester
60758	7:30a-9:35a	Tu Th	Tran M	SAC D-107	Full Semester
60755	7:30a-9:35a	Tu Th	Staff	SAC D-103	Full Semester
60754	8:00a-10:05a	M W	Ramshaw C	SAC I-104	Full Semester
60756	9:00a-1:15p	F	Axtell C	SAC D-103	Full Semester
60759	9:00a-11:05a	Tu Th	Martinez Guzman D	SAC I-107	Full Semester
16 lab hours required, one hour per week. PUENTE Section 60759 is linked to Counseling 100, Lifelong Understanding and Self Development, Section 62730. Enrollment in both sections is mandatory. See the Freshman Experience Program page in the class schedule for more information.					
60771	9:00a-1:15p	F	Keefer S	SAC D-108	Full Semester
60757	9:30a-11:35a	Tu Th	Carroll A	SAC D-212	Full Semester
16 lab hours required, one hour per week. Section 60757 is linked to Counseling 107, The Freshman Experience, Section 59470. Enrollment in both sections is mandatory. See the Freshman Experience Program page in the class schedule for more information.					
60767	9:45a-11:50a	M W	Martinez Guzman D	SAC D-103	Full Semester
60778	11:00a-1:05p	M W	Dongell R	SAC D-201	Full Semester
60768	11:30a-1:35p	Tu Th	Greenberg H	SAC D-302	Full Semester
60775	11:30a-3:45p	Tu Th	Tran M	SAC I-201	08/28-10/18
16 lab hours required, 1 hour arranged per scheduled meeting day for 8-week semester.					
60760	11:30a-1:35p	Tu Th	Mitzner R	SAC D-204	Full Semester
16 lab hours required, one hour per week. Section 60760 is linked to Counseling 107, The Freshman Experience, Section 59472. Enrollment in both sections is mandatory. See the Freshman Experience Program page in the class schedule for more information.					
60774	11:45a-1:50p	Tu Th	Staff	SAC I-104	Full Semester
16 lab hours required, one hour per week. Section 60774 is linked to Counseling 107, The Freshman Experience, Section 59473. Enrollment in both sections is mandatory. See the Freshman Experience Program page in the class schedule for more information.					
60761	1:00p-3:05p	Tu Th	Brandon K	SAC D-201	Full Semester
60773	1:15p-3:20p	M W	Higgins M	SAC D-304	Full Semester
60776	1:15p-3:20p	Tu Th	Jaffray S	SAC D-208	Full Semester
60762	3:45p-5:50p	M W	Higgins M	SAC D-108	Full Semester
60763	4:30p-6:35p	Tu Th	Diller J	SAC D-201	Full Semester
60764	6:00p-10:15p	Tu	Kaminsky R	SAC I-201	Full Semester
60765	6:00p-10:15p	Tu	Bromberger K	SAC I-208	Full Semester
60777	6:00p-10:15p	Tu	Prothero J	SAC D-305	Full Semester
60766	6:00p-10:15p	Th	Kaminsky R	SAC D-108	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**ENGLISH 101, FRESHMAN COMPOSITION****4 UNITS**

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

Prerequisite: Grade of C or better in English 061 or EMLS 112 or ACE 116 or qualifying profile from English placement process.

<b>H</b> 60822	4:00p-6:30p	Tu	Kabaji N Kabaji N	SAC HYBRID SAC D-208	Full Semester
Section 60822 combines online instruction plus mandatory on campus meetings: Tuesday 8/28, 9/25, 11/13, 11/27 from 4:00p-6:30p in SAC D-208. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for information. Email instructor first week of class (kabaji_noha@sac.edu).					
<b>H</b> 60835	4:00p-5:50p	Th	Pearce D Pearce D	SAC HYBRID SAC D-101	Full Semester
Section 60835 combines online instruction plus mandatory on campus meetings Thursday 8/30, 10/4, 11/8, 12/13 from 4:00p-5:50p in SAC D-101. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for information. Email instructor first week of class (pearce_dianne@sac.edu).					
<b>H</b> 60845	3:00p-4:50p	M	Ramshaw C Ramshaw C	SAC HYBRID SAC D-102	Full Semester
Section 60845 combines online instruction plus mandatory on campus meetings Mondays 8/27, 10/01, 10/29, 11/26 from 3:00p-4:50p in SAC D-102. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for information. Email instructor first week of class (ramshaw_charles@sac.edu).					
<b>H</b> 60836	4:00p-5:50p	Th	Nguyen P Nguyen P	SAC HYBRID SAC D-102	Full Semester
Section 60836 combines online instruction plus mandatory on campus meetings Thursday 8/30, 10/4, 11/8, 12/13 from 4:00p-5:50p in SAC D-102. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for information. Email instructor first week of class (nguyen_pete@sac.edu).					
<b>H</b> 60833	7:00p-9:20p	Th	Bennett G Bennett G	SAC HYBRID SAC D-109	Full Semester
Section 60833 combines online instruction and mandatory on campus meetings on Thursday 8/30, 10/4, 11/8, 12/13 from 7:00p-9:20p in SAC D-109. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (bennett_gary@sac.edu).					
<b>H</b> 60826	4:00p-5:50p	M	Carey J Carey J	SAC HYBRID SAC D-305	Full Semester
Section 60826 combines online instruction plus mandatory on campus meetings: Mondays 8/27, 9/24, 10/29, 12/3 from 4:00p-5:50p in SAC D-305. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for information. Email instructor first week of class (carey_jennifer@sac.edu).					
60813	7:00a-9:05a	M W	Dongell R	SAC D-103	Full Semester
60814	7:30a-9:35a	Tu Th	Bassett D	SAC I-102	Full Semester
60816	8:00a-10:05a	M W	Harris J	SAC D-201	Full Semester
60820	8:30a-10:35a	M W	Sosta R	SAC D-211	Full Semester
60832	9:00a-11:05a	Tu Th	Staff	SAC I-208	Full Semester
60834	9:00a-11:05a	Tu Th	Higgins M	SAC D-102	Full Semester
<b>W</b> 60839	9:00a-1:15p	Sa	Keener D	SAC I-106	Full Semester
60837	9:00a-1:15p	F	Greenberg H	SAC D-102	Full Semester
60817	9:45a-11:50a	Tu Th	Ramshaw C	SAC D-208	Full Semester
60818	9:45a-11:50a	Tu Th	Kabaji N	SAC I-207	Full Semester
60812	11:30a-1:35p	Tu Th	Bassett D	SAC I-106	Full Semester
Section 60812 is linked to Counseling 116, Career/Life Planning and Personal Exploration, Section 59493 and Psychology 100, Introduction to Psychology, Section 61162. Enrollment in all sections is mandatory. See the Freshman Experience Program page in the class schedule for more information.					
60840	11:30a-1:35p	M W	Brandon K	SAC D-213	Full Semester
60842	11:30a-1:35p	M W	Patterson K	SAC I-106	Full Semester
60829	12:45p-2:50p	Tu Th	Higgins M	SAC D-210	Full Semester
60819	1:00p-3:05p	M W	Johnson S	SAC I-107	Full Semester
60830	1:00p-3:05p	M W	Martinez Guzman D	SAC D-103	Full Semester
60823	1:15p-5:30p	Tu	Taylor J	SAC D-209	Full Semester
60831	1:15p-3:20p	M W	Sosta R	SAC D-109	Full Semester
60825	1:15p-5:30p	Th	Taylor J	SAC D-209	Full Semester
60824	1:15p-3:20p	M W	Jaffray S	SAC D-212	Full Semester
60838	1:45p-3:50p	Tu Th	Carroll A	SAC D-103	Full Semester
60841	2:00p-4:05p	M W	Tran M	SAC I-208	Full Semester
60821	4:30p-6:35p	M W	Jaffray S	SAC D-208	Full Semester
60815	6:00p-10:15p	M	Reid M	SAC D-108	Full Semester
60828	6:00p-10:15p	W	Swanlund B	SAC D-204	Full Semester
60827	6:00p-10:15p	W	Musgrove C	SAC D-108	Full Semester
60846	6:00p-10:15p	M	Staff	SAC I-109	Full Semester

**ENGLISH 101H, HONORS FRESHMAN COMPOSITION****4 UNITS**

*An enriched exposure to expository and argumentative essays and the research paper, requiring in-depth analysis of issues and substantive treatment of student selected topics.*

Prerequisite: A high school or college GPA of 3.0 or above and a grade of C or better in English 061/ESL EMLS 112 or ACE 116 or qualifying profile from English placement process.

60862 7:30a-9:35a Tu Th Mitzner R SAC D-214 Full Semester  
60863 10:00a-12:05p Tu Th Patterson K SAC D-307 Full Semester  
Section 60863 is linked with Sociology 100H, Section 61333. Enrollment in both sections is mandatory. See the Freshman Experience Program page in the class schedule for more information.

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**ENGLISH 102, LITERATURE AND COMPOSITION 4 UNITS**

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

Prerequisite: A grade of C or better in English 101 or English 101H.

60865	5:00p-6:50p	M	Ramshaw C	SAC HYBRID	Full Semester
			Ramshaw C	SAC D-401	
Section 60865 combines online instruction plus mandatory on campus meetings Mondays 8/27, 10/1, 10/29, 11/26 from 5:00-6:50p in SAC D-401. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for information. Email instructor first week of class (ramshaw_charles@sac.edu).					
60866	10:15a-12:20p	MW	Ramshaw C	SAC A-214	Full Semester
60864	12:00p-2:05p	TuTh	Martinez Guzman D	SAC D-102	Full Semester

**ENGLISH 102H, HONORS LITERATURE AND COMPOSITION 4 UNITS**

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

Prerequisite: A high school or college GPA of 3.0 or above and a grade of C or better in English 101 or 101H.

60867	4:00p-8:15p	M	Patterson K	SAC I-201	Full Semester
-------	-------------	---	-------------	-----------	---------------

**ENGLISH 103, CRITICAL THINKING AND WRITING 4 UNITS**

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

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

60886	5:00p-6:50p	M	Beyersdorf M	SAC HYBRID	Full Semester
			Beyersdorf M	SAC D-214	
Section 60886 combines online instruction plus mandatory on campus meetings Mondays 8/27, 9/24, 10/29, 12/3 from 5:00p-6:50p in SAC D-214. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for information. Email instructor first week of class (beyersdorf_matthew@sac.edu).					
63251	8:00a-10:05a	MW	Cons A	SAC I-202	Full Semester
60872	11:30a-1:35p	MW	Munoz J	SAC D-108	Full Semester
60885	11:30a-1:35p	TuTh	Beyersdorf M	SAC D-214	Full Semester
60873	6:00p-10:15p	Tu	Arnold G	SAC D-304	Full Semester
61728	6:00p-10:15p	M	Arnold G	SAC D-305	Full Semester

**ENGLISH 103H, HONORS CRITICAL THINKING AND WRITING 4 UNITS**

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

Prerequisite: A high school or college GPA of 3.0 or above and a grade of C or better in English 101 or 101H.

60874	10:15a-12:20p	MW	Bennett G	SAC I-109	Full Semester
-------	---------------	----	-----------	-----------	---------------

**ENGLISH 104, LANGUAGE AND CULTURE 3 UNITS**

General introduction to the processes of human communication. Includes the relationship between languages and culture, acquisition of first and second languages, languages in contact, sociolinguistics and the effects of both language and culture on inter/intra group communication. Languages spoken in the local area are used as the basis of study. (Same as Anthropology 104.)

60875	8:00a-9:25a	TuTh	Jaros B	SAC D-208	Full Semester
-------	-------------	------	---------	-----------	---------------

**ENGLISH 231, SURVEY OF ENGLISH LITERATURE 3 UNITS**

Introductory study of representative selections of British literature from the Anglo-Saxon period to the neo-classical period. Emphasis on authors best exemplifying their period, such as Chaucer, Shakespeare, Spenser, Jonson, Milton, Donne, Dryden, Johnson, Behn, Pope and others.

Prerequisite: English 101 or 101H.

60876	7:00p-10:10p	W	Patterson K	SAC I-104	Full Semester
-------	--------------	---	-------------	-----------	---------------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**ENGLISH 270, CHILDREN'S LITERATURE 3 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 101H with a grade of C or better.

60878			Bennett G	SAC WEB	Full Semester
	Section 60878 is WEB only. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (bennett_gary@sac.edu).				
60877	1:15p-2:40p	MW	Mitzner R	SAC D-204	Full Semester

## ENGLISH AS A SECOND LANGUAGE

**ENGLISH AS A SECOND LANGUAGE N40A, INTRODUCTION TO ACADEMIC ESL I 3 UNITS**

A beginning academic ESL course for students who have had some exposure to English. Practice in listening, speaking, reading, grammar, and study skills. Controlled writing at the sentence level. Lab may be required. Not applicable to associate degree.

Prerequisite: Qualifying profile from ESL placement process.

60920	8:00a-11:05a	TuTh	Smith M	SAC D-211	Full Semester
60919	7:00p-10:05p	TuTh	Mowrer M	SAC I-207	Full Semester

**ENGLISH AS A SECOND LANGUAGE N40B, INTRODUCTION TO ACADEMIC ESL II 3 UNITS**

A beginning academic ESL course for students who have had some exposure to English. Emphasis is on the simple tenses and the development of listening, speaking, reading, grammar, and study skills. Controlled writing at the sentence level. Lab may be required. Not applicable to associate degree.

Prerequisite: Credit in ESL N40A or qualifying profile from ESL placement process.

60921	11:00a-2:05p	MW	Keith K	SAC D-211	Full Semester
60922	7:00p-10:05p	MW	Zamoyska C	SAC I-103	Full Semester

**ENGLISH AS A SECOND LANGUAGE N49, READING, WRITING AND GRAMMAR I 3 UNITS**

Beginning multi-skill language practice. Sentence practice and controlled composition. Revision and editing. Basic grammar including simple and progressive verb tenses. Critical reading. Lab hours are required. Not applicable to associate degree.

Prerequisite: ESL N40B or qualifying profile from ESL placement process.

**NOTE: ESL N49 CLASSES REQUIRE 16 LAB HOURS. ONE HOUR PER WEEK FOR 16-WEEK SEMESTER**

60924	8:00a-11:05a	TuTh	Keith K	SAC I-109	Full Semester
60925	8:00a-11:05a	MW	Lewis M	SAC D-109	Full Semester
60923	7:00p-10:05p	MW	Mowrer M	SAC D-213	Full Semester

## ENGLISH FOR MULTILINGUAL STUDENTS

**ENGLISH FOR MULTILINGUAL STUDENTS 055, WRITING, GRAMMAR AND READING I 4 UNITS**

Sentence-level writing for multilingual students who can speak English but often make grammar mistakes when writing. Narrative paragraphs and journal writing. Revision and editing. Basic grammar including verb tenses and modals. Critical reading. 16 additional hours in ESL Listening Lab required (one hour per week for 16-week semester sections).

Prerequisite: Grade of C or better in ESL N49 or qualifying profile from ESL placement process.

**NOTE: EMLS 055 CLASSES REQUIRE 16 LAB HOURS. ONE HOUR PER WEEK FOR 16-WEEK SEMESTER**

60634	8:00a-11:05a	TuTh	Simmons K	SAC I-104	Full Semester
60632	9:45a-12:50p	MW	Hassel E	SAC D-212	Full Semester
60633	7:00p-10:05p	MW	Myers D	SAC I-106	Full Semester

**ENGLISH FOR MULTILINGUAL STUDENTS 107, WRITING, GRAMMAR AND READING II 4 UNITS**

Sentence and paragraph level writing for multilingual students who can speak English but often make grammar mistakes when writing. Narrative and descriptive paragraphs. Revision and editing. Review of basic grammar. Practice with sentence variety. Critical reading. 16 additional hours in ESL Listening Lab required (one hour per week for 16-week semester sections).

Prerequisite: Grade of C or better in EMLS 055 or qualifying profile from ESL placement process.

**NOTE: EMLS 107 CLASSES REQUIRE 16 LAB HOURS. ONE HOUR PER WEEK FOR 16-WEEK SEMESTER**

60635	8:00a-11:05a	TuTh	Dwyer D	SAC I-106	Full Semester
60636	8:00a-11:05a	MW	Dwyer D	SAC F-102	Full Semester
60638	11:00a-2:05p	MW	Mallory L	SAC I-104	Full Semester
60639	7:00p-10:05p	MW	Mallory L	SAC D-214	Full Semester

**Online Counseling Now Available!**  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

SANTA ANA COLLEGE



**On the Road to Success!!**  
 Build your skills in Basic Math, Reading, English and ESL – on your own time!!

**The Success Center**  
 Library Building, Room L-206

We want to help you build your basic skills! Set your own arranged hours developing the skills you need for your college classes. Sign up for IDS N04, Essential Basic Skills, 0 units, open entry/open exit.

This is YOUR center, dedicated to helping you! Come by L-206 and check it out!



## SANTA ANA COLLEGE ESL/ENGLISH FOR MULTILINGUAL STUDENTS (EMLS)

ESL/EMLS courses are offered by the English/ESL Dept. to help bilingual, multilingual, and non-native speakers of English who need additional work before enrolling in English 101, Freshman Composition. These courses provide practice in such areas as vocabulary, advanced sentence construction and especially, practice in writing paragraphs and essays.

Students who took ELD (English Language Development) classes in high school and studied regular English only in their senior year should take the TELD test (Test of English Language Development) to determine their college placement.

Students enrolled in ESL/EMLS courses should also enroll at the same time in a Reading class and possibly a pronunciation class to improve their English faster.

Many high school graduates taking the TELD place in EMLS 109, 3 steps below English 101, the same level as English N50. However, EMLS 109, like the other EMLS courses, focuses on writing problems faced by bilingual or non-native speakers of English. EMLS 107 through EMLS 112, unlike English N50, N60 and 061, are transferable to some California State University campuses as electives.

Placement in any of these courses is based on the student's test score and qualifying profile OR completion of the previous course with a grade of A,B,C, or CR.

ESL/EMLS COURSE	COMMUNICATION STUDIES COURSE	READING COURSE
<b>LOW INTERMEDIATE LEVEL COURSES</b>		
ESL N40A	Communication Studies N49	no reading class recommended
ESL N40B	Communication Studies N49	Reading N49A/B
ESL N49	Communication Studies N49 or N50	Reading N49A/B
<b>INTERMEDIATE LEVEL COURSES</b>		
EMLS 055	Communication Studies N52A	Reading N50A/B or N80A/B
EMLS 107	Communication Studies N52AB	Reading N80AB
EMLS 109	Communication Studies 096, 097 or N53	Reading N90AB or 091
<b>ADVANCED LEVEL COURSES</b>		
EMLS 110	Communication Studies 096, 097 or N53	Reading N90AB or 091
EMLS 112	Communication Studies N50 or N51	Reading 102
<b>FRESHMAN COMPOSITION</b>		
English 101	Communication Studies 101 or 102	Reading 150

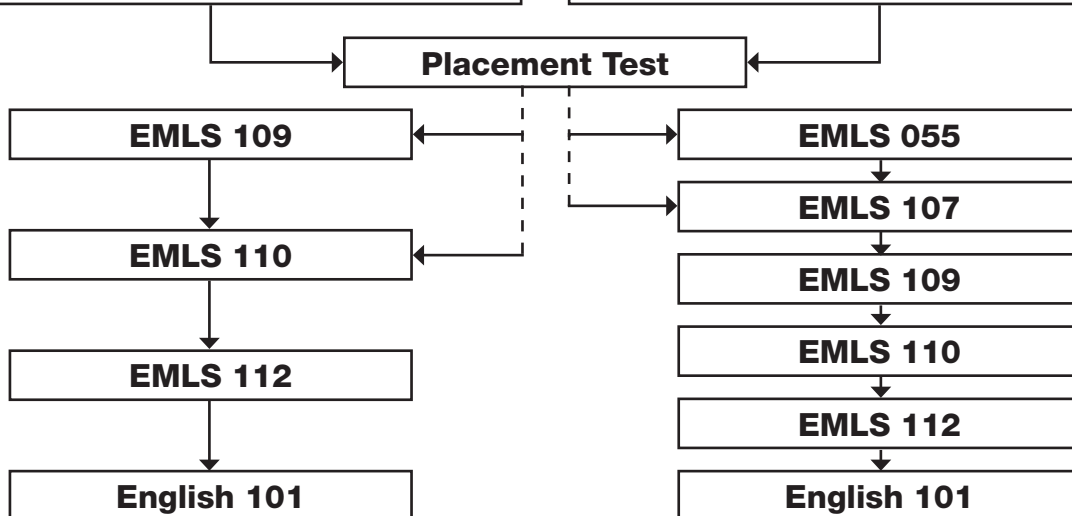
CEC Transfers often place here

High School Grads often place here

EMLS 107 through 112 are CSU transferable. English N50, N60 and 061 are not.

Typical path for bilinual/multilingual/non-native English speakers who are High School Graduates

Typical path for non-native English speakers who transfer from CEC



Dotted Lines ( - - - ) show typical test result placement.



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**ENGLISH FOR MULTILINGUAL STUDENTS 109, WRITING, GRAMMAR AND READING III 4 UNITS**

Paragraph-level writing for multilingual students who speak English but often make grammar mistakes when they write. Narrative, descriptive and expository paragraph practice. Revision and editing. Complex grammar structures. Critical reading. 16 additional hours in ESL Listening Lab required (one hour per week for 16-week semester sections).

Prerequisite: Grade of C or better in EMLS 107 or qualifying profile from ESL placement process.

**NOTE: EMLS 109 CLASSES REQUIRE 16 LAB HOURS. ONE HOUR PER WEEK FOR 16-WEEK SEMESTER**

60643	8:00a-11:05a	MW	Beasley J	SAC D-213	Full Semester
60644	8:00a-11:05a	Tu Th	Lewis M	SAC D-108	Full Semester
60645	12:00p-3:05p	MW	Beaver D	SAC D-107	Full Semester
60647	12:00p-3:05p	Tu Th	Josifek J	SAC D-108	Full Semester
60648	7:00p-10:05p	Tu Th	Cavina K	SAC D-202	Full Semester
60649	7:00p-10:05p	MW	Baker E	SAC I-107	Full Semester

**ENGLISH FOR MULTILINGUAL STUDENTS 110, INTRODUCTION TO THE ESSAY 3 UNITS**

Introductory writing course for multilingual students who speak English fluently but make multiple grammar errors when writing. Composition course progresses from paragraph to essay, emphasizing basic expository modes, grammar review, critical reading, and revision and editing techniques. Lab hours are required.

Prerequisite: Grade of C or better in EMLS 109 or qualifying profile from ESL placement process.

**NOTE: EMLS 110 CLASSES REQUIRE 16 HOURS IN WRITING CENTER. ONE HOUR PER WEEK FOR 16-WEEK SEMESTER**

60660	8:00a-10:05a	Tu Th	Hicks R	SAC D-213	Full Semester
60655	11:30a-1:35p	MW	Lewis M	SAC I-208	Full Semester
60656	12:00p-2:05p	Tu Th	Dwyer D	SAC I-207	Full Semester
60657	4:45p-6:50p	MW	Mowrer M	SAC D-213	Full Semester
60658	6:00p-10:15p	Tu	Livote M	SAC I-106	Full Semester

**ENGLISH FOR MULTILINGUAL STUDENTS 112, ADVANCED COMPOSITION 3 UNITS**

Advanced level writing course for multilingual 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. 16 hours (1 hour per week) required in Writing Center.

Prerequisite: Grade of C or better in EMLS 110 or qualifying profile from ESL placement process.

**NOTE: EMLS 112 CLASSES REQUIRE 16 HOURS IN WRITING CENTER. ONE HOUR PER WEEK FOR 16-WEEK SEMESTER**

60662	8:00a-10:05a	MW	Keith K	SAC I-106	Full Semester
60664	10:30a-12:35p	Tu Th	Cervantes M	SAC D-213	Full Semester
60665	11:30a-1:35p	MW	Harris J	SAC I-201	Full Semester
60661	12:30p-2:35p	MW	Seyster B	SAC D-210	Full Semester
60663	6:00p-10:15p	M	Cervantes M	SAC I-208	Full Semester

## ENTREPRENEURSHIP

**ENTREPRENEURSHIP 100, INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP 3 UNITS**

Learn that venture creation is a process. Explore the types of ventures one can create and explore venture stories. Discover an overview of the entrepreneurial process. Learn to see opportunities. Discover the resources necessary to turn a dream into a business.

61051			Doolittle G	SAC WEB	10/22-12/14
Section 61051 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
61059	6:00p-9:10p	W	Shweiri G	SAC A-207	Full Semester

**ENTREPRENEURSHIP 101, ENTREPRENEURS AND SUCCESS 1 UNIT**

Learn the psychology of becoming a successful entrepreneur. Discover how to find your flow and stay on course. Learn the habits of highly successful entrepreneurs. Discover how cutting-edge communication, design and technology are 21st century drivers of success.

61060	6:00p-10:00p	Tu	Thomason G	SAC A-207	08/28-09/18
-------	--------------	----	------------	-----------	-------------

**ENTREPRENEURSHIP 102, ENTREPRENEURIAL IDEAS AND CREATIVITY 1 UNIT**

Discover that business creativity is a process that can be learned. Practice the process of searching for new business ideas using proven methods. Turn your creativity into business ideas.

61061	6:00p-10:00p	Tu	Kikawa E	SAC D-103	09/25-10/16
-------	--------------	----	----------	-----------	-------------

**ENTREPRENEURSHIP 103, INNOVATIONS AND OPPORTUNITIES 2 UNITS**

Learn how to search for and create a good business opportunity. Learn how to turn business ideas into entrepreneurial opportunities. Explore and map personal specific knowledge to create business innovation.

61062	6:00p-10:10p	Tu	Hobbs R	SAC A-207	10/23-12/11
-------	--------------	----	---------	-----------	-------------

**ENTREPRENEURSHIP 104, BUSINESS MODELS 2 UNITS**

Learn what a business model is and learn if a business model will make money. Discover how to filter business opportunities. Learn how to project whether business opportunities can be scalable, can target identifiable markets, and can achieve profitability.

61063	6:00p-10:10p	Th	Staff	SAC A-207	08/30-10/18
-------	--------------	----	-------	-----------	-------------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**ENTREPRENEURSHIP 105, SOCIAL MEDIA, BOOTSTRAPPING, AND MARKET VALIDATION 2 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.

61064	6:00p-10:00p	Th	Vonheim E	SAC HYBRID	10/25-12/13
Section 61064 Hybrid instruction combines mandatory on-campus meetings every Thur, 6:00p-10:00p, SAC A-207 plus online instruction.					

## ENVIRONMENTAL STUDIES

**ENVIRONMENTAL STUDIES 140, ENVIRONMENTAL GEOLOGY 3 UNITS**

Study of urban geologic hazards: earthquakes, groundwater pollution, flood potential, landslides and creep, soil expansion, coastal erosion, and volcanic hazards. (Same as Geology 140).

61832	11:30a-12:55p	Tu Th	Hughes P	SAC R-111	Full Semester
-------	---------------	-------	----------	-----------	---------------

**ENVIRONMENTAL STUDIES 200, ENVIRONMENT OF MAN 3 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 and Science 200.)

61646	10:00a-11:10p	Th	Morris A	SAC R-228	Full Semester
-------	---------------	----	----------	-----------	---------------

## ETHNIC STUDIES

**ETHNIC STUDIES 101, INTRODUCTION TO ETHNIC STUDIES 3 UNITS**

Historical and cultural survey of ethnic groups and relations in the U.S. among Euro-Americans, Native Americans, Asian Pacific Americans, African Americans, and Mexican Americans/Latinos from the pre-Columbian period to the present.

60926	11:15a-12:40p	MW	Herrera Thomas H	SAC D-304	Full Semester
60927	7:00p-10:10p	M	Herrera Thomas H	SAC D-208	Full Semester

## Ethnic Studies Degree Courses

COURSE	DESCRIPTION
ANTH 100	Introduction to Cultural Anthropology
ART 104	Mexican & Chicano/Chicana Art History
ASIA 101	Asian American Studies
CHIC ST 101	Introduction to Chicano Studies
DNCE 105	World Dance and Cultures
DNCE 113A/B	Flamenco Dance
ETH ST 101	Introduction to Ethnic Studies
HIST 101	World Civilizations to the 16th Century
HIST 102	World Civilizations Since the 16th Century
HIST 124	Mexican American History in the U.S.
HIST 153	History of Mexico
HUM DEV 221	Cross Cultural Perspectives in Early Childhood Education
MUS 103	Jazz in America
SOC 100	Introduction to Sociology
SPAN 101	Elementary Spanish I
SPAN 102	Elementary Spanish II
VIET 101	Elementary Vietnamese I
VIET 102	Elementary Vietnamese II

## EXERCISE SCIENCE (See Kinesiology)

## FASHION DESIGN MERCHANDISING

**FASHION DESIGN MERCHANDISING 053, INTRODUCTION TO SEWING 2 UNITS**

Basics in sewing; how to use the sewing machine, understanding pattern terms and tools and constructing basic samples, skirts, and shirts.

62631	9:00a-12:55p	W	Staff	SAC T-201	Full Semester
62632	5:45p-9:35p	Th	Silvers L	SAC T-201	Full Semester

**FASHION DESIGN MERCHANDISING 056, BASIC SEWING AND ALTERNATIONS 1 UNIT**

Basic sewing techniques used in the restyling and alteration of ready-made garments. Evaluation of fit and determination of appropriate styling changes emphasized.

62633	9:00a-11:15a	W	Staff	SAC T-201	Full Semester
62634	5:45p-8:00p	Th	Silvers L	SAC T-201	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**REGISTER EARLY—SPACE IS LIMITED**

## Fashion Design or Merchandising



Certificate or AA Degree Programs

### NEW STUDENTS REGISTER FOR:

FDM 100, Introduction to Fashion  
FDM 103, Fashion Selection

### NEW DESIGN STUDENTS ALSO TAKE:

FDM 053, Basic Sewing (if non-sewer)  
FDM 111A, Sketching  
FDM 113, Fashion Draping

### EXPERIENCED STUDENTS / INDUSTRY WORKERS:

Computer classes on Lectra System!

FDM 113, Fashion Draping  
FDM 213, Apparel Line Production  
FDM 214, Manufacturing & Grading

**See your catalog or  
call 714-564-6800  
for more information**

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

### FASHION DESIGN MERCHANDISING 214, MANUFACTURING AND GRADING 2 UNITS

Introduction and application of garment industry manufacturing processes using production equipment to mass produce a consumer targeted product. Included are grading techniques for sizing a sample pattern. Suggested preparation: Fashion Design Merchandising 100, 105B, 108, 109, and 213.

62644 9:00a-1:25p M Staff SAC T-201 Full Semester

## FIRE TECHNOLOGY

### FIRE TECHNOLOGY 101, FIRE PROTECTION ORGANIZATION 3 UNITS

Survey of career opportunities in fire service and related fields, history of fire protection; fire loss analysis; public, quasi-public and private fire protection services; specific fire protection functions; fire chemistry and physics.

62529 Section 62529 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class (stefano\_daniel@sac.edu) Stefano D SAC WEB Full Semester

62525 8:30a-11:40a Tu Busch M SAC A-128 Full Semester

62524 8:30a-11:40a M Verdecia D SAC A-128 Full Semester

62526 12:00p-3:10p W Ash J SAC A-128 Full Semester

62528 7:00p-10:10p Tu Stefano D SAC W-101 Full Semester

### FIRE TECHNOLOGY 102, FIRE BEHAVIOR AND COMBUSTION 3 UNITS

Fundamentals and scientific principles of fire behavior, combustible materials, extinguishing agents, hazardous and toxic materials, and fire prevention/suppression techniques.

62540 Section 62540 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class. (ash\_jeffery@sac.edu) Ash J SAC WEB Full Semester

62531 8:30a-11:40a W Ash J SAC A-128 Full Semester

62538 12:00p-3:10p Tu Busch M SAC A-128 Full Semester

62533 12:00p-3:10p M Freeman S SAC W-101 Full Semester

62539 7:00p-10:10p Th Treanor M SAC W-101 Full Semester

### FIRE TECHNOLOGY 103, PERSONAL FIRE SAFETY 3 UNITS

Provides career directed students, paid/or volunteer firefighters, and fire brigade members demonstrations on current techniques in the prevention of injuries and promotion of safety while conducting routine and emergency fire operations.

62567 Section 62567 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class. (horner\_stephen@sac.edu) Horner S SAC WEB Full Semester

62542 8:30a-11:40a M Childress D SAC W-101 Full Semester

62541 8:30a-11:40a Th Mead F SAC W-101 Full Semester

62564 7:00p-10:10p W Samuels M SAC A-128 Full Semester

### FIRE TECHNOLOGY 104, FIRE PREVENTION TECHNOLOGY 3 UNITS

Organization and function of fire prevention; inspections; surveying and mapping procedures; recognition of fire and life hazards; engineering a solution of a fire hazard; enforcing solutions to a fire hazard; public relations as affected by fire prevention.

Prerequisite: Fire Technology 101 and 102.

62574 Section 62574 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class (freeman\_suzanne@sac.edu) Freeman S SAC WEB Full Semester

62570 8:30a-11:40a W Freeman S SAC W-101 Full Semester

62568 12:00p-3:10p Tu Freeman S SAC W-101 Full Semester

62572 7:00p-10:10p Tu Horner S SAC A-128 Full Semester

### FIRE TECHNOLOGY 105, BLDG CONSTRUCTION FOR FIRE PROTECTION 3 UNITS

The components of building construction that relate to fire safety. Elements of construction and design of structures. The development and evolution of building and fire codes.

Prerequisite: Fire Technology 101 and 102.

62586 Section 62586 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class. (wiskus\_dennis@sac.edu) Wiskus D SAC WEB Full Semester

62578 3:30p-6:40p Tu Busch M SAC A-128 Full Semester

62576 3:30p-6:40p Th Muir J SAC A-128 Full Semester

62577 7:00p-10:10p Th Muir J SAC A-128 Full Semester

### FIRE TECHNOLOGY 106, FIRE PROTECTION EQUIPMENT AND SYSTEMS 3 UNITS

Portable fire extinguishing equipment; protection systems for special hazards; sprinkler systems and fire detection and alarm systems.

Prerequisite: Fire Technology 101 and 102.

62592 Section 62592 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class. (wiskus\_dennis@sac.edu) Wiskus D SAC WEB Full Semester

62589 8:30a-11:40a Tu Freeman S SAC W-101 Full Semester

62590 12:00p-3:10p Th Freeman S SAC A-128 Full Semester

62591 7:00p-10:10p M Horner S SAC A-128 Full Semester

### FASHION DESIGN MERCHANDISING 100, INTRODUCTION TO FASHION 3 UNITS

Traces and analyzes the fashion industry, trends, and designers from socio-economic, political, technological, and global influences; emphasis on current fashion careers.

62635 10:00a-1:10p Tu Staff SAC T-201 Full Semester

### FASHION DESIGN MERCHANDISING 103, FASHION SELECTION 3 UNITS

Analysis of color, line and design with sociological, psychological and fashion trend considerations for garment selection, facial design and wardrobe planning. For men and women.

62636 10:00a-1:10p Th Staff SAC T-201 Full Semester

### FASHION DESIGN MERCHANDISING 105B, INTERMEDIATE SEWING 2 UNITS

Follow-up of Fashion Design Merchandising 053 and 105A, Beginning Sewing. Coordination of woven fabrics and pattern fitting in construction of class projects such as pants, dress shirts, and unlined jackets.

62637 9:00a-12:55p W Staff SAC T-201 Full Semester

62638 5:45p-9:35p Th Silvers L SAC T-201 Full Semester

### FASHION DESIGN MERCHANDISING 111A, FASHION SKETCHING 2 UNITS

Application of the basic techniques of drawing a descriptive garment trade sketch and development of skills in presentation drawing and fashion illustration. The importance of body proportion, garment style lines, drape of fabric and textural interest will be emphasized.

62639 6:00p-9:40p Tu Leonardi A SAC T-201 Full Semester

### FASHION DESIGN MERCHANDISING 111B, FASHION ILLUSTRATION 2 UNITS

Further fashion illustration techniques including color media, camera ready skills, and design of layouts. Focus on Croquis Development and alternative customers. E.G. Children, Maternity, Men, and/or Plus size.

Prerequisite: Fashion Design Merchandising 111A.

62640 6:00p-9:40p Tu Leonardi A SAC T-201 Full Semester

### FASHION DESIGN MERCHANDISING 111C, FASHION PORTFOLIO DEVELOPMENT 2 UNITS

Advanced sketching course to create a cohesive fashion design or merchandising portfolio for job interview presentation. Focus on appropriate formats, design concepts, fabric rendering techniques, fashion figure proportions, flat technical drawings, and scholarship entries.

Prerequisite: Fashion Design Merchandising 111A.

62641 6:00p-9:40p Tu Leonardi A SAC T-201 Full Semester

### FASHION DESIGN MERCHANDISING 113, FASHION DRAPING 3 UNITS

Basic techniques of draping flat fabric into three dimensional garment styles on the dress form to create first patterns. Students are required to sew their sample garments. Suggested preparation: Fashion Design Merchandising 105A and 105B.

62642 9:00a-2:05p M Staff SAC T-201 Full Semester

### FASHION DESIGN MERCHANDISING 213, APPAREL LINE PRODUCTION 2 UNITS

Instruction on designing a line using industry production techniques and equipment, including sketch, pattern and construction.

Prerequisite: Fashion Design Merchandising 100 or 108, and 109 and 111A with a grade of C or better.

62643 9:00a-1:25p M Staff SAC T-201 Full Semester

## FIRE TECHNOLOGY PROGRAMS

- FIRE ACADEMY 025, FITNESS FOR PUBLIC SAFETY PERSONNEL (2.0 Units)  
For details on times, dates and registration, contact the Fire Technology Office at 714-564-6861.
- FIRE PUBLIC SAFETY 030, ANNUAL TOPICS – FIRE INSERVICE TRAINING (0.5-10 Units)
- FIRE ACADEMY 063, HEAVY RESCUE SYSTEM 2
- FIRE ACADEMY 033, SWIFT WATER RESCUE
- FIRE ACADEMY 035, CONFINED SPACE RESCUE: OPERATIONAL
- FIRE ACADEMY 034, EMERGENCY TRENCH SHORING  
For details on times, dates and registration, contact the North Net Training Center at 714-978-7304.
- FIRE ACADEMY 030, STRIKE TEAM LEADER-ENGINE
- FIRE ACADEMY 030, DISASTER RESPONSE FOR EMERGENCY RESPONDERS
- FIRE ACADEMY 030, URBAN/WILDLAND INTERFACE: SAFETY & TACTICS SEMINAR  
For details on times, dates and registration, contact the Fire Technology Office at 714-564-6404.
- FIRE ACADEMY 063, HEAVY RESCUE SYSTEMS
- FIRE ACADEMY 083, PROMOTIONAL PREPARATION  
For details on times, dates and registration, contact the Fire Technology Office at 714-564-6404.
- FIRE ACADEMY 231A, FIRE PREVENTION OFFICER 1A
- FIRE ACADEMY 231B, FIRE PREVENTION OFFICER 1B
- FIRE ACADEMY 231C, FIRE PREVENTION 1C
- FIRE ACADEMY 232A, FIRE PREVENTION 2A
- FIRE ACADEMY 232B, FIRE PREVENTION 2B
- FIRE ACADEMY 232C, FIRE PREVENTION 2C
- FIRE ACADEMY 233A, FIRE PREVENTION 3A
- FIRE ACADEMY 233B, FIRE PREVENTION 3B
- FIRE ACADEMY 241A, FIRE INSTRUCTOR 1A
- FIRE ACADEMY 241B, FIRE INSTRUCTOR 1B
- FIRE ACADEMY 251A, FIRE INVESTIGATION 1A
- FIRE ACADEMY 251B, FIRE INVESTIGATION 1B
- FIRE ACADEMY 261, FIRE MANAGEMENT 1
- FIRE ACADEMY 262A, FIRE MANAGEMENT 2A
- FIRE ACADEMY 262B, FIRE MANAGEMENT 2B
- FIRE ACADEMY 262C, FIRE MANAGEMENT 2C
- FIRE ACADEMY 262D, FIRE MANAGEMENT 2D
- FIRE ACADEMY 262E, FIRE MANAGEMENT 2E
- FIRE ACADEMY 271A, FIRE COMMAND 1A
- FIRE ACADEMY 271B, FIRE COMMAND 1B
- FIRE ACADEMY 271C, FIRE COMMAND 1C
- FIRE ACADEMY 272A, FIRE COMMAND 2A
- FIRE ACADEMY 272B, FIRE COMMAND 2B
- FIRE ACADEMY 272C, FIRE COMMAND 2C
- FIRE ACADEMY 272D, FIRE COMMAND 2D
- FIRE ACADEMY 273B, FIRE COMMAND 2E
- FIRE ACADEMY 252A, FIRE INVESTIGATION 2A
- FIRE ACADEMY 252B, FIRE INVESTIGATION 2B
- FIRE ACADEMY 062, ICS 200
- FIRE ACADEMY 062B, ICS 300
- FIRE ACADEMY 062C, ICS 400

All Fire Officer reservations must be made through the Fire Technology Office, A-113. For details on times, dates and registration, contact the Fire Officer at 714-564-6404.

**FIRE TECHNOLOGY 121, PHYSICAL FITNESS FOR PUBLIC SAFETY PERSONNEL 4 UNITS**  
*This lecture/laboratory class provides information on exercise and nutrition. Topics include cardiovascular/muscular fitness, injury prevention and treatment. Students will receive an individual fitness profile developed from tests given during the arranged hours of the class.*

**Students are required to pay \$12 at the first class meeting.  
5.5 hours arranged per week.**

62580	8:30a-11:40a	Th	Sneddon M	SAC A-128	Full Semester
62595	12:00p-3:10p	W	Argo R	SAC W-101	Full Semester
62593	12:00p-3:10p	M	Argo R	SAC A-128	Full Semester
62597	7:00p-10:10p	M	Argo R	SAC H-207	Full Semester
62599	7:00p-10:10p	W	Sneddon M	SAC H-207	Full Semester

## FRENCH

**FRENCH 101, ELEMENTARY FRENCH 1 5 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. Sixteen additional hours in the Modern Language Lab required. (One hour per week for 16-week semester sections and two hours per week for 8-week summer sessions).*

**16 lab hours required, one hour per week for 16-week semester.**

60928	8:00a-10:30a	M W	Issa K	SAC D-302	Full Semester
60929	8:00a-10:30a	Tu Th	Issa K	SAC D-302	Full Semester
60931	4:15p-6:45p	Tu Th	Anglin M	SAC D-302	Full Semester
60930	7:00p-9:30p	M W	Nguyen M	SAC D-302	Full Semester

**FRENCH 102, ELEMENTARY FRENCH II 5 UNITS**

*A college level French course focusing on further training in pronunciation and grammar, more extensive vocabulary development, conversation and composition. Supplementary cultural readings. Appropriate laboratory assignments. French 102 is equivalent to the third year of high school French.*

Prerequisite: French 101 or two years of high school French with a passing grade.

**16 lab hours required, one hour per week for 16-week semester.**

60932	11:00a-1:30p	M W	Issa K	SAC D-302	Full Semester
-------	--------------	-----	--------	-----------	---------------

**FRENCH 201, INTERMEDIATE FRENCH I 5 UNITS**

*A college level French class focusing on expansive review of usage and grammar; discussion in French of interpretive reading material; conversation and composition.*

Prerequisite: Grade of C or better in French 102 or three years of high school French.

60933	12:00p-2:30p	M W	Ernotte B	SAC D-208	Full Semester
-------	--------------	-----	-----------	-----------	---------------

**FRENCH 202, INTERMEDIATE FRENCH II 5 UNITS**

*A college level French class focusing on a specialized review of grammar and composition; discussions in French of history and culture based on literary materials.*

Prerequisite: French 201, or four years of high school French with a grade of C or better.

60934	12:00p-2:30p	M W	Ernotte B	SAC D-208	Full Semester
-------	--------------	-----	-----------	-----------	---------------

## GEOGRAPHY

**GEOGRAPHY 100, WORLD REGIONAL GEOGRAPHY 3 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.*

60940	8:00a-9:25a	Tu Th	Courter W	SAC D-202	Full Semester
60938	9:45a-11:10a	M W	Courter W	SAC D-202	Full Semester
60937	11:30a-12:55p	M W	Courter W	SAC D-202	Full Semester
60941	1:00p-4:10p	Th	Staff	SAC D-202	Full Semester
60939	7:00p-10:10p	M	Jones K	SAC D-202	Full Semester

**GEOGRAPHY 101, PHYSICAL GEOGRAPHY 3 UNITS**

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

60943	9:45a-11:10a	Tu Th	Courter W	SAC D-202	Full Semester
60942	11:30a-12:55p	Tu Th	Courter W	SAC D-202	Full Semester

**GEOGRAPHY 101L, PHYSICAL GEOGRAPHY LABORATORY 1 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.*

60944	1:15p-4:25p	Tu	Courter W	SAC D-202	Full Semester
-------	-------------	----	-----------	-----------	---------------

**GEOGRAPHY 102, CULTURAL GEOGRAPHY 3 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.*

60945	8:00a-9:25a	M W	Courter W	SAC D-202	Full Semester
-------	-------------	-----	-----------	-----------	---------------



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

## GEOLOGY

### GEOLOGY 101, INTRODUCTION TO GEOLOGY

3 UNITS

Introductory course for students in any major. Study of the internal and external processes that shape the earth (earthquakes, volcanoes, groundwater, streams, landslides). Optional field trip offered. Concurrent enrollment in Geology 101L is recommended.

61823	9:45a-11:10a	MW	Hughes P	SAC R-111	Full Semester
61825	9:45a-11:10a	Tu Th	Hughes P	SAC R-111	Full Semester
61824	6:30p-9:40p	M	Coyne C	SAC R-111	Full Semester
61827			Hughes P	SAC TV	Full Semester

Section 61827 Telecourse instruction plus OPTIONAL on-campus review sessions: Thurs., 9/6; 9/27; 10/18; 11/15 and 12/6 from 5:30p-6:30p, SAC R-111. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

### GEOLOGY 101L, INTRODUCTION TO GEOLOGY LABORATORY

1 UNIT

Study of the common minerals and rocks. Map reading and interpretation of geology using topographic maps, geologic maps and aerial photos.

Prerequisite: Geology 101 or concurrent enrollment.

61828	9:30a-12:40p	F	Hughes P	SAC R-111	Full Semester
61829	6:30p-9:40p	W	Coyne C	SAC R-111	Full Semester

### GEOLOGY 140, ENVIRONMENTAL GEOLOGY

3 UNITS

Introduction to environmental geology, the interaction between the Earth and mankind. Global study of geologic resources, resource management, geologic hazards, and waste remediation.

61830	11:30a-12:55p	Tu Th	Hughes P	SAC R-111	Full Semester
-------	---------------	-------	----------	-----------	---------------

### GEOLOGY 150, INTRODUCTION TO OCEANOGRAPHY

3 UNITS

Introductory study of the ocean and its topography, sediments, circulation, shoreline processes, biological productivity and mineral resources. (Same as Earth Science 150).

61822	11:30a-12:55p	MW	Hughes P	SAC R-111	Full Semester
-------	---------------	----	----------	-----------	---------------

### GEOLOGY 174, GEOLOGIC FIELD STUDIES OF JOSHUA TREE NATIONAL PARK

1 UNIT

The geologic history including mountain building, volcanic activity, faulting, mineral resources and human history of the Joshua Tree region. Mandatory orientation along with a two-day field trip.

63982	5:30p-6:30p	Tu	Hughes P	SAC FLDTRP	10/02-10/23
	5:30p-6:30p	Tu	Hughes P	SAC R-111	10/02-10/02
	5:30p-6:30p	Tu	Hughes P	SAC R-111	10/23-10/23

Section 63982 MANDATORY Pre-trip orientation mtg Tues, 10/02/12, 5:30p - 6:30p, SAC R-111. Field Trip: Fri, 10/12/12 5:00p through Sun, 10/14/12 9:00p. MANDATORY Post-trip mtg Tues, 10/23/12, 5:30p-6:30p, SAC R-111. This class has outdoor, overnight camping.

## HISTORY

### HISTORY 101, WORLD CIVILIZATIONS TO THE 16TH CENTURY

3 UNITS

Development of world civilizations and their interrelationships from the earliest beginnings to the sixteenth century. Basic ideas, institutions, personalities, and artistic achievements of these societies.

60980	8:00a-9:25a	Tu Th	Martin R	SAC D-210	Full Semester
60981	8:00a-9:25a	MW	Martin R	SAC D-210	Full Semester
60983	9:45a-11:10a	MW	Martin R	SAC D-210	Full Semester
60982	7:00p-10:10p	W	Martin R	SAC D-210	Full Semester

### HISTORY 102, WORLD CIVILIZATIONS SINCE THE 16TH CENTURY

3 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.

60984	9:45a-11:10a	Tu Th	Martin R	SAC D-210	Full Semester
-------	--------------	-------	----------	-----------	---------------

### HISTORY 105, ANCIENT MESOAMERICAN CIVILIZATION

3 UNITS

An archeological and ethnohistorical survey of the origin and development of pre-Columbian civilizations in ancient Mesoamerica from Paleo-Indian times to the Spanish conquest. (Same as Anthropology 105.)

60985	7:00p-10:10p	Tu	Veyna A	SAC D-212	Full Semester
-------	--------------	----	---------	-----------	---------------

### HISTORY 118, SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES

3 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.

60986	8:00a-9:25a	Tu Th	Ghelfi G	SAC D-205	Full Semester
60993	8:00a-9:25a	MW	Booth B	SAC I-207	Full Semester
60994	9:45a-11:10a	MW	Ghelfi G	SAC D-205	Full Semester
60995	7:00p-10:10p	M	Lewis J	SAC D-204	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

### HISTORY 120, THE UNITED STATES TO 1865

3 UNITS

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

60999			Heeren J	SAC WEB	Full Semester
Section 60999 is WEB only. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. E-mail instructor first week of class. (heeren_jeffrey@sac.edu).					

61004			Guzman K	SAC TV	Full Semester
Section 61004 Telecourse instruction plus optional on-campus review sessions: First meeting on Monday 8/27/12 is MANDATORY, optional meetings will be on Monday 9/10, 10/8, 11/5 and 12/10 5:00p-6:00p, SAC D-106. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					

60996	8:00a-9:25a	MW	Ghelfi G	SAC D-214	Full Semester
60997	8:00a-9:25a	Tu Th	Riggins C	SAC D-304	Full Semester
60998	9:45a-11:10a	Tu Th	Ghelfi G	SAC D-214	Full Semester
61001	9:45a-11:10a	MW	Guzman K	SAC I-208	Full Semester
61002	1:15p-2:40p	Tu Th	Gunther V	SAC D-105	Full Semester
61000	7:00p-10:10p	M	Ghelfi G	SAC D-106	Full Semester

### HISTORY 121, THE UNITED STATES SINCE 1865

3 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.

61008			Menzing T	SAC WEB	Full Semester
Section 61008 is WEB only. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. E-mail instructor first week of class. (menzing_todd@sac.edu).					

61009			Ghelfi G	SAC TV	Full Semester
Section 61009 Telecourse instruction plus optional on-campus review sessions Mondays 8/27, 9/24, 10/15, 11/5, 11/26, 5:00p-6:00p SAC D-107. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					

61005	11:30a-12:55p	MW	Ghelfi G	SAC D-205	Full Semester
61007	6:00p-9:25p	F	Riggins C	SAC I-109	10/26-12/15
	9:00a-12:25p	Sa	Riggins C	SAC I-109	
61006	7:00p-10:10p	W	Medina M	SAC I-109	Full Semester

### HISTORY 124, MEXICAN-AMERICAN HISTORY IN THE UNITED STATES

3 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.

61017	8:00a-9:25a	Tu Th	Veyna A	SAC D-204	Full Semester
61014	9:45a-11:10a	Tu Th	Guzman K	SAC D-107	Full Semester
61015	9:45a-11:10a	Tu Th	Veyna A	SAC D-204	Full Semester
61016	11:30a-12:55p	MW	Guzman K	SAC I-107	Full Semester
61595	11:30a-12:55p	Tu Th	Veyna A	SAC D-103	Full Semester
61011	11:30a-12:55p	Tu Th	Guzman K	SAC I-208	Full Semester
61013	12:30p-1:55p	MW	Veyna A	SAC D-214	Full Semester
61012	7:00p-10:10p	Th	Medina M	SAC D-105	Full Semester

### HISTORY 127, WOMEN IN U.S. HISTORY

3 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.

61018	8:00a-9:25a	MW	Veyna A	SAC D-308	Full Semester
-------	-------------	----	---------	-----------	---------------

### HISTORY 150, LATIN AMERICAN CIVILIZATION TO INDEPENDENCE

3 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.

61019	6:00p-9:10p	W	Galvan J	SAC D-202	Full Semester
-------	-------------	---	----------	-----------	---------------

### HISTORY 153, HISTORY OF MEXICO

3 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.

61020	9:45a-11:10a	MW	Veyna A	SAC D-305	Full Semester
-------	--------------	----	---------	-----------	---------------

## HUMAN DEVELOPMENT

### HUMAN DEVELOPMENT 070, EARLY CHILDHOOD EDUCATION: INTRODUCTORY

PRINCIPLES &amp; PRACTICES (DS3)

3 UNITS

Bilingual (Spanish/English) course designed to introduce Spanish speaking students who are considering a career as teachers or aides to the scope of early childhood education. This class meets state licensing requirements for aides and limited-English caregivers in Early Childhood Education programs. Suggested Preparation: Beginning ESL 2.

64187	6:30p-9:40p	W	Castellon M	SAC V-151	Full Semester
Section 64187 is designated for English language learners - open to all students.					

Academic Planning Questions?  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

Online Counseling Now Available!  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**HUMAN DEVELOPMENT 107, CHILD GROWTH AND DEVELOPMENT (DS1) 3 UNITS**

This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, from conception through adolescence. Using developmental theories and research methodologies, course emphasis will be on typical and atypical development, maturational processes and environmental factors. Students will also observe children, evaluate individual differences and analyze characteristics of development at various stages.

63780			Pugh J	SAC TV	Full Semester
-------	--	--	--------	--------	---------------

Section 63780: Telecourse instruction plus optional on-campus orientation and review sessions on Thur. 8/30, 5:30p-7:00p, and 9/13, 10/4, 10/25, 11/15, 11/29 6:00p-7:00p, R-114 SAC. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

63772			Kimmel M	SAC WEB	Full Semester
-------	--	--	----------	---------	---------------

Section 63772 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class (kimmel\_michelle@sac.edu)

64186	9:00a-10:25a	M W	Staff	SAC F-103	Full Semester
63776	9:00a-12:10p	F	Valdez S	SAC V-150	Full Semester
63773	6:30p-9:40p	M	Staff	SAC V-151	Full Semester
63774	6:30p-9:40p	Tu	Isais E	SAC V-151	Full Semester

**HUMAN DEVELOPMENT 108A, OBSERVATION AND ASSESSMENT FOR EARLY LEARNING AND DEVELOPMENT 3 UNITS**

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

Prerequisite: Human Development 107. Negative TB Test (must be completed before observations take place during the semester).

63782	11:00a-2:10p	Tu	Valdez S	SAC V-151	Full Semester
-------	--------------	----	----------	-----------	---------------

Section 63782 has 1 hour arranged per week.

63783	6:30p-9:40p	Th	Wahl S	SAC V-151	Full Semester
-------	-------------	----	--------	-----------	---------------

Section 63783 has 1 hour arranged per week.

63983	6:30p-9:40p	M	Staff	SAC R-114	Full Semester
-------	-------------	---	-------	-----------	---------------

Section 63983 has 1 hour arranged per week.

**HUMAN DEVELOPMENT 110, CHILD, FAMILY AND COMMUNITY (DS2) 3 UNITS**

This class examines the developing child in a societal context focusing on the interrelationship of family, school and community and emphasizes historical and socio-cultural factors. Socialization processes and identity development that support and empower families by showing the importance of respectful, reciprocal relationships will be explored.

63984	11:00a-12:25p	M W	Dunn C	SAC V-151	Full Semester
63985	6:30p-9:40p	M	Moran M	SAC V-150	Full Semester
63986	6:30p-9:40p	M	Staff	SAC I-102	Full Semester

**HUMAN DEVELOPMENT 111A, PRINCIPLES AND PRACTICES OF TEACHING YOUNG CHILDREN 3 UNITS**

This course examines the underlying historical and theoretical principles, and the developmentally appropriate practices of early childhood programs and environments. Emphases will be on the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all children. The evolution of professional practices promoting advocacy, ethics and professional identity will be explored.

Prerequisite: Human Development 107 and 108A. Negative TB Test (need to complete before observation during the course).

63988	9:00a-12:00p	W	Valdez S	SAC V-150	Full Semester
-------	--------------	---	----------	-----------	---------------

Section 63988 has 6 hours arranged per semester.

63987	6:30p-9:40p	Tu	Valdez S	SAC V-150	Full Semester
-------	-------------	----	----------	-----------	---------------

Section 63987 has 6 hours arranged per semester.

**HUMAN DEVELOPMENT 111B, INTRODUCTION TO CURRICULUM FOR YOUNG CHILDREN 3 UNITS**

This course presents an overview of knowledge and skills needed to provide developmentally appropriate curriculum for young children. Students will examine the teacher's role in supporting development, fostering the joy of learning and creativity through the essential role of play. Content areas include language/literacy, social/emotional/sensory learning, art, music, math, science, health/safety, and motor development.

Prerequisite: Human Development 108A and 111A. Negative TB Test.

63989	6:30p-9:40p	Th	Morgan-Beazell G	SAC V-150	Full Semester
-------	-------------	----	------------------	-----------	---------------

**HUMAN DEVELOPMENT 112, HEALTH, SAFETY AND NUTRITION FOR CHILDREN 3 UNITS**

This course examines the regulations, policies, procedures and best practices for early childhood curriculum related to child health, safety, and nutrition, while supporting child development through everyday planning and school programming. The importance of collaboration with families and health professionals to ensure physical health, mental health and safety for all children, families, and professionals will be explored.

Prerequisite: HUD-108A and HUD-111. Negative TB Test.

63991			Hardy M	SAC HYBRID	Full Semester
-------	--	--	---------	------------	---------------

Section 63991 combines online instruction plus mandatory on-campus meetings on Sat, 9/1, 10/6, 11/3, 12/1 from 9:30a-12:30p, SAC V-151. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class (hardy\_michelle@sac.edu).

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**HUMAN DEVELOPMENT 113, TUTORING READING IN ELEMENTARY SCHOOLS 1 UNIT**

An examination of effective tutoring strategies, focusing on the support for reading skills of elementary age children. Students are placed in local K-8 classrooms to gain experience with school-age children. 20+ hours service learning hours required in addition to lecture hours. Student must provide proof of negative TB screening.

63992	2:00p-4:05p	W	Torresluna J	SAC V-151	08/29-12/05
-------	-------------	---	--------------	-----------	-------------

Section 63992 will meet every other Wed. beginning Aug. 29.

**HUMAN DEVELOPMENT 114, CAREERS IN TEACHING 1 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. (Same as Counseling 114.)

63993	1:00p-1:50p	W	Bautista S	SAC I-103	Full Semester
-------	-------------	---	------------	-----------	---------------

Section 63993 is linked to Communication Studies 102, Public Speaking, Section 64273. Enrollment in both sections is mandatory. See Freshman Experience program page in the class schedule for more information

**HUMAN DEVELOPMENT 116A, INFANT/TODDLER GROWTH AND DEVELOPMENT (DS4) 3 UNITS**

Examination of the growth and developmental patterns of infants and toddlers and interactions with culturally diverse family structures. Meets licensing requirement. With Human Development 116B, this class fulfills infant/toddler specialization for Child Development Master Teacher Permit. Prerequisite: Human Development 107.

63994	6:30p-9:40p	W	Pham M	SAC I-102	Full Semester
-------	-------------	---	--------	-----------	---------------

Section 63994 has 6 hours arranged per semester

**HUMAN DEVELOPMENT 200, COMPUTER LITERACY FOR EARLY CHILDHOOD EDUCATORS 3 UNITS**

An introduction to computer concepts and digital camera use strategies for child development teachers which will allow them to understand and evaluate the impact of technology as it relates to growth and development of children and developmentally appropriate practices. Basic knowledge and practice in computer operation, word processing, internet operation and research, e-mail and selecting software applications will be included.

63995	7:30p-10:40p	M	Valdez S	SAC T-203-1	Full Semester
-------	--------------	---	----------	-------------	---------------

**HUMAN DEVELOPMENT 205, EXCEPTIONALITY AND SPECIAL NEEDS IN HUMAN DEVELOPMENT 3 UNITS**

Study of diseases and disorders found in children resulting in exceptionalities, including mental retardation; visual, speech, and hearing impairments; behavior disorders, learning disabilities and physical and health impairments. (Same as Special Services 205).

63997	9:00a-10:25a	M W	Pugh J	SAC	Full Semester
63996	7:00p-10:10p	Tu	Holmes A	SAC I-102	Full Semester

**HUMAN DEVELOPMENT 215, ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS: LEVEL I (DS6) 3 UNITS**

Application of the basic principles for the establishment, operation, supervision and evaluation of early care and education programs. Suggested preparation: 12 units in Human Development.

63998	6:00p-10:10p	W	Morgan-Beazell G	SAC V-150	08/29-10/17
-------	--------------	---	------------------	-----------	-------------

Section 63998 will also meet on Sat, Sept 01 and Oct 06 from 8:00a-4:00p, SAC V-150.

**HUMAN DEVELOPMENT 216, ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS: LEVEL II (DS6) 3 UNITS**

An examination of the complex role of the administrator of early care and education programs in the areas of establishing and maintaining program quality, selecting, hiring and supporting staff, establishing and facilitating parent, advisory and community relations, and operating a fiscally sound program. Suggested preparation: 12 units in Human Development.

63999	6:00p-10:10p	W	Staff	SAC V-150	10/24-12/12
-------	--------------	---	-------	-----------	-------------

Section 63999 will also meet on Sat, Oct 27 and Nov 17 from 8:00a-4:00p, SAC V-150.

**HUMAN DEVELOPMENT 220, THE CHILD AS VICTIM 3 UNITS**

Exploration of battered, molested and neglected children from five vantage points: child, law, parents, social services and educator.

64000	9:00a-10:25a	Tu Th	Pugh J	SAC V-150	Full Semester
64001	7:00p-10:10p	Th	Pugh J	SAC R-126	Full Semester

**HUMAN DEVELOPMENT 221, TEACHING IN A DIVERSE SOCIETY 3 UNITS**

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

64002	11:00a-2:10p	Tu Th	Morgan-Beazell G	SAC V-150	08/28-10/18
-------	--------------	-------	------------------	-----------	-------------

**HUMAN DEVELOPMENT 231, DEVELOPING LANGUAGE AND LITERACY IN YOUNG CHILDREN 3 UNITS**

Designed to introduce students to basic concepts of the first and second language acquisition and literacy in young children including classroom applications.

64003	6:30p-9:40p	Tu	Wahl S	SAC I-103	Full Semester
-------	-------------	----	--------	-----------	---------------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**HUMAN DEVELOPMENT 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: Human Development 111B. This is a Capstone Course to be taken after all other courses in this major. (Courses include: Human Development 107, 108A, 110, 111A, 111B, 112, 200, 221, 231). Negative TB Test.

64004	6:00p-8:05p	Tu	Morgan-Beazell G	SAC V-116	Full Semester
-------	-------------	----	------------------	-----------	---------------

Section 64004 has 5 hours per week arranged.

**HUMAN DEVELOPMENT 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 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: Human Development 116B. This is a Capstone Course to be taken after all other courses in this major. (Courses include: Human Development 107, 108A, 110, 112, 116A, 116B, 200, 221, 231). Negative TB Test.

64005	6:00p-8:05p	Tu	Morgan-Beazell G	SAC V-116	Full Semester
-------	-------------	----	------------------	-----------	---------------

Section 64005 has 5 hours per week arranged.

**INTERDISCIPLINARY STUDIES****INTERDISCIPLINARY STUDIES 121, HUMANITIES THROUGH THE ARTS 3 UNITS**

*An introduction to the humanities through a study of seven major art forms: film, drama, music, literature, painting, sculpture and architecture. Artistic works are considered from the perspectives of historical development, the elements used in the creation process, artistic form, and meaning expressed.*

62790			Kehlenbach E	SAC TV	Full Semester
-------	--	--	--------------	--------	---------------

Section 63780: Telecourse instruction plus optional on-campus orientation and review sessions on Tuesdays 9/4,9/18,10/16,11/13,12/4 5:00p-6:30p, SAC A-130.  
Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

**INTERDISCIPLINARY STUDIES 155, HUMAN SEXUALITY 3 UNITS**

*An interdisciplinary review of the biological development and psychological influences across the lifespan, including neuroscience research, and sociocultural considerations in the areas of gender, attraction, attachment, love, sexual orientations, anatomy, sexual arousal and response, conception, contraception, reproduction, health, including sexual coercion, sexually transmitted infections.*

62178	11:00a-12:25p	Tu Th	Sweeny Y	SAC R-124	Full Semester
62182	7:00p-10:10p	W	Goldmann D	SAC R-124	Full Semester

**KINESIOLOGY ACTIVITIES  
(FORMERLY EXERCISE SCIENCE ACTIVITIES)****KINESIOLOGY ACTIVITIES 107, BADMINTON 1 UNIT**

*Instruction in the fundamental skills and strategies of badminton.*

61806	9:00a-10:25a	Tu Th	Brown M	SAC G-105	Full Semester
-------	--------------	-------	---------	-----------	---------------

**KINESIOLOGY ACTIVITIES 160, TENNIS 1 UNIT**

*Instruction and practice in the fundamental skills basic to the successful performance of tennis. These skills include grip and body mechanics involved with the forehand, backhand, serve, lob, smash, and net play. Etiquettes, court strategy, and rules will be covered in singles and doubles play. Tournament play will be introduced.*

61795	9:00a-10:25a	M W	Brown M	SAC G-116	Full Semester
-------	--------------	-----	---------	-----------	---------------

**KINESIOLOGY ACTIVITIES 170, YOGA 1 UNIT**

*An exercise program involving postures to increase flexibility and core muscle strength as a way of improving and enhancing physical and mental alertness. (Formerly: Exercise Science Activities 170)*

62324	10:00a-11:25a	Tu Th	Nutter K	SAC W-107	Full Semester
-------	---------------	-------	----------	-----------	---------------

**KINESIOLOGY ACTIVITIES 210, BASEBALL 1 UNIT**

*Fundamentals of fielding, throwing and hitting. Includes play situations and an emphasis on team offensive and defensive strategy.*

62481	TBA		Sneddon D	SAC G-115	Full Semester
-------	-----	--	-----------	-----------	---------------

**KINESIOLOGY ACTIVITIES 220, BASKETBALL 1 UNIT**

*Instruction and practice in the fundamentals, rules, strategies, philosophies and theories of individual and team basketball.*

61809	11:00a-12:25p	Tu Th	Brown M	SAC G-105	Full Semester
61811	7:00p-10:10p	M	Brown M	SAC G-105	Full Semester

**KINESIOLOGY ACTIVITIES 270, SOFTBALL 1 UNIT**

*Fundamentals of fielding, throwing, hitting, and base running. Includes play situations and an emphasis on team offensive and defensive strategy.*

62352	12:30p-1:20p	Tu W Th	Nutter K	SAC G-120	Full Semester
-------	--------------	---------	----------	-----------	---------------

**KINESIOLOGY ADAPTED  
ACTIVITIES  
(FORMERLY EXERCISE SCIENCE  
ADAPTED ACTIVITIES)****KINESIOLOGY ADAPTED ACTIVITIES 202, ADAPTED CIRCUIT TRAINING 1 UNIT**

*The class is an individually structured circuit training program for students with disabilities.*

Prerequisite: Adapted Kinesiology Medical Release Form required.

62498	1:00p-2:25p	M W	Sos B	SAC E-102	Full Semester
-------	-------------	-----	-------	-----------	---------------

**KINESIOLOGY ADAPTED ACTIVITIES 208, ADAPTED AEROBICS FITNESS 0.5 UNIT**

*Various aerobic and stretching exercises set to music and performed to tone the body, improve cardiovascular endurance, and increase one's ability to exercise safely and effectively.*

Prerequisite: Adapted Kinesiology Medical Release Form required.

62494	11:00a-11:50a	Tu Th	Sos B	SAC W-106	Full Semester
-------	---------------	-------	-------	-----------	---------------

**KINESIOLOGY ADAPTED ACTIVITIES 211, ADAPTED AQUATICS 1 UNIT**

*An exercise class in the water for students with disabilities. The program will be geared toward improving cardiovascular endurance, increasing flexibility and toning muscles. No swimming skills required.*

Prerequisite: Adapted Kinesiology Medical Release Form required.

62496	9:00a-10:25a	Tu Th	Sos B	SAC G-121	Full Semester
-------	--------------	-------	-------	-----------	---------------

**KINESIOLOGY AEROBIC  
FITNESS  
(FORMERLY EXERCISE SCIENCE AEROBIC FITNESS)****KINESIOLOGY AEROBIC FITNESS 140, WALKING/JOGGING FOR FITNESS 1 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.*

62349	8:30a-9:55a	Tu Th	Staff	SAC G-113	Full Semester
-------	-------------	-------	-------	-----------	---------------

**KINESIOLOGY AEROBIC FITNESS 140, WALKING/JOGGING FOR FITNESS 0.5 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.*

62480	1:00p-1:50p	Tu Th	Siddons A	SAC G-113	Full Semester
-------	-------------	-------	-----------	-----------	---------------

**KINESIOLOGY AEROBIC FITNESS 144, CROSS TRAINING 1 UNIT**

*This class will be comprised of aerobic classes designed to introduce the student to the concept of cross training and trying different work-outs. The class will be divided into four sections, cardio boxing, step aerobics, weight training and flexibility work-outs.*

62314	11:30a-12:55p	Tu Th	Macdonald J	SAC G-103	Full Semester
-------	---------------	-------	-------------	-----------	---------------

**KINESIOLOGY AEROBIC FITNESS 146, STABILITY BALL TRAINING FOR FITNESS 1 UNIT**

*A core training and strengthening workout. A full body workout using stability balls, designed to obtain total toning and strength.*

61766	11:00a-12:25p	M W	Breig D	SAC W-107	Full Semester
-------	---------------	-----	---------	-----------	---------------

**KINESIOLOGY AEROBIC FITNESS 150, STRETCH, FLEX AND TONE 1 UNIT**

*A combination of stretching and toning exercises to increase strength, flexibility, and overall body fitness.*

62319	1:00p-2:25p	M W	Macdonald J	SAC W-107	Full Semester
-------	-------------	-----	-------------	-----------	---------------

**KINESIOLOGY AEROBIC FITNESS 156, CARDIO BOXING 1 UNIT**

*A series of boxing, kickboxing, stretching exercises arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program with 10-15 minutes of abdominal work and stretching. Aerobic activity is designed to improve muscle tone and cardiovascular endurance.*

62491	7:30a-8:55a	Tu Th	Sos B	SAC W-107	Full Semester
-------	-------------	-------	-------	-----------	---------------

**KINESIOLOGY AEROBIC FITNESS 156, CARDIO BOXING 0.5 UNIT**

*A series of boxing, kickboxing, stretching exercises arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program with 10-15 minutes of abdominal work and stretching. Aerobic activity is designed to improve muscle tone and cardiovascular endurance.*

61773	10:00a-10:50a	M W	Breig D	SAC W-107	Full Semester
-------	---------------	-----	---------	-----------	---------------



## KINESIOLOGY AQUATICS (FORMERLY EXERCISE SCIENCE AQUATICS)

<b>KINESIOLOGY AQUATICS 201, SWIMMING</b>			<b>1 UNIT</b>	
<i>Instruction and experience in the basic stroke techniques and safety procedures of swimming.</i>				
62361	10:00a-11:25a	M W	Siddons A	SAC G-121 Full Semester
<b>KINESIOLOGY AQUATICS 201, SWIMMING</b>			<b>0.5 UNIT</b>	
<i>Instruction and experience in the basic stroke techniques and safety procedures of swimming.</i>				
62358	11:00a-11:50a	Tu Th	Siddons A	SAC G-121 Full Semester
<b>KINESIOLOGY AQUATICS 206, LAP SWIMMING</b>			<b>1 UNIT</b>	
<i>Individualized swimming program designed to improve swimming techniques and cardiovascular fitness. Emphasis on endurance training.</i>				
Prerequisite: Student must demonstrate swimming skills.				
64288	10:00a-11:25a	M W	Siddons A	SAC G-121 Full Semester
<b>KINESIOLOGY AQUATICS 206, LAP SWIMMING</b>			<b>0.5 UNIT</b>	
<i>Individualized swimming program designed to improve swimming techniques and cardiovascular fitness. Emphasis on endurance training.</i>				
Prerequisite: Student must demonstrate swimming skills.				
64289	11:00a-11:50a	Tu Th	Siddons A	SAC G-121 10/23-12/11

## KINESIOLOGY FITNESS (FORMERLY EXERCISE SCIENCE FITNESS)

### PERSONAL FITNESS EVALUATION

SANTA ANA COLLEGE, Room E-108, 714-564-6946  
ALL STUDENTS MUST ATTEND AN ORIENTATION

#### ORIENTATIONS GIVEN DURING FIRST WEEK OF INSTRUCTION ONLY

Monday ..... 9am  
Tuesday ..... 6pm

**Mini Semester Orientations** given during the first week of the mini semester

Monday at 9am AND Tuesday at 6pm

**Open hours AFTER Orientation Week are:**

Monday 8–11am, Tuesday 4–7pm and Friday 8–11am

This class offers individual testing as follows: Resting Electrocardiogram, pulmonary function, flexibility testing, skinfold tests and/or underwater weighing for body fat percent, strength testing, exercise electrocardiogram using a treadmill test. A fitness profile will be given to each student when they complete course requirements. The results will be discussed with each student.

#### **KINESIOLOGY FITNESS 100, PERSONAL FITNESS EVALUATION** **0.5 UNIT**

*Personal evaluation of your fitness level. Each student completes appointments that evaluate flexibility, strength, blood pressure, body composition, pulmonary function, resting electrocardiogram and a graded exercise test. Students are also required to record 20 hours of exercise outside of class. Outside hours must be completed and supervised at an exercise science facility at the college where the student is enrolled. Designed for students without heart problems.*

**Material Fee(s): \$5**

64189	TBA	Sneddon D	SAC E-108	Full Semester
64190	TBA	Sneddon D	SAC E-108	10/22-12/14

#### **KINESIOLOGY FITNESS 101, PERSONAL FITNESS EVALUATION** **1 UNIT**

*Personal evaluation of your fitness level. Each student completes appointments that evaluate flexibility, strength, blood pressure, body composition, pulmonary function, resting electrocardiogram and a graded exercise test. Students are also required to record 44 hours of exercise outside of class. Outside hours must be completed and supervised at an exercise science facility at the college where the student is enrolled. Designed for students without heart problems.*

**Material Fee(s): \$5**

64191	TBA	Macdonald J	SAC E-108	Full Semester
-------	-----	-------------	-----------	---------------

#### **KINESIOLOGY FITNESS 102, PERSONAL FITNESS EVALUATION** **2 UNITS**

*Personal evaluation of your fitness level. Each student completes appointments that evaluate flexibility, strength, blood pressure, body composition, pulmonary function, resting electrocardiogram and a graded exercise test. Students are also required to record 92 hours of exercise outside of class. Outside hours must be completed and supervised at an exercise science facility at the college where the student is enrolled. Designed for healthy individuals with no heart problems.*

**Material Fee(s): \$5**

64192	TBA	Jones G	SAC E-108	Full Semester
-------	-----	---------	-----------	---------------

## CIRCUIT TRAINING

The SAC Fitness Center is located in E-102, phone 714-564-6917.

#### ATTENDANCE

Students are required to attend the Fitness Center two times per week for continuous enrollment. Students must complete 24 workouts for .5 unit and 48 workouts for 1 unit. Only one section of KNFI 109, 110, or 115 can be taken per semester.

**ORIENTATIONS** (All new students) - Orientations must be completed on-line. All new students must access class page on Blackboard and complete the on-line orientation and test. All instructions are available on the class web page on Blackboard.

**SAC FITNESS CENTER HOURS:** Monday–Thursday 8am–1pm & 4–7pm

#### **KINESIOLOGY FITNESS 109, CIRCUIT TRAINING** **0.5 UNIT**

*An individualized program developed to promote lifetime fitness. Employs resistive designed exercise devices for achieving muscle tone while increasing strength and cardiovascular endurance.*

64090	TBA	Luppani M	SAC E-102	Full Semester
64091	TBA	Luppani M	SAC E-102	10/22-12/14

#### **KINESIOLOGY FITNESS 110, CIRCUIT TRAINING** **1 UNIT**

*An individualized fitness program developed to promote lifetime fitness. Employs resistive designed exercise devices for achieving muscle tone while increasing strength and endurance.*

64092	TBA	Luppani M	SAC E-102	Full Semester
64093	TBA	Luppani M	SAC E-102	10/22-12/14

#### **KINESIOLOGY FITNESS 115, CARDIOVASCULAR CONDITIONING** **1 UNIT**

*Designed for those people who desire a cardiovascular workout using a combination of equipment such as stationary bikes, ellipticals, steppers and rowing machines. Suited for men and women of all age groups interested in maximal cardiovascular fitness.*

64094	TBA	Luppani M	SAC E-102	Full Semester
-------	-----	-----------	-----------	---------------

#### **KINESIOLOGY FITNESS 124, CONDITIONING FOR ATHLETES-MEN** **0.5 UNIT**

*An exercise program designed for athletes who participate in men's sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.*

62583	8:05a-8:55a	Tu Th	Welsh M	SAC G-121 Full Semester
-------	-------------	-------	---------	-------------------------

#### **KINESIOLOGY FITNESS 124, CONDITIONING FOR ATHLETES-MEN** **1 UNIT**

*An exercise program designed for athletes who participate in men's sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.*

62482	12:00p-1:25p	M W	Sneddon D	SAC G-103 Full Semester
63381	2:30p-3:55p	Tu Th	Gonzales F	SAC G-114 Full Semester
61776	3:00p-4:25p	Tu Th	Breig D	SAC G-103 Full Semester

#### **KINESIOLOGY FITNESS 125, CONDITIONING FOR FOOTBALL, DEFENSE** **1 UNIT**

*This class is designed to prepare the college football athlete to play defense and to play on special teams. This class includes resistance training and field work.*

62082	1:30p-2:55p	M W	Jones G	SAC G-103 Full Semester
62084	1:30p-2:55p	Tu Th	Jones G	SAC G-103 Full Semester

#### **KINESIOLOGY FITNESS 128, CONDITIONING FOR ATHLETES-WOMEN** **0.5 UNIT**

*An exercise program designed for athletes who participate in women's sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.*

62308	1:00p-1:50p	Tu Th	Luppani M	SAC G-103 Full Semester
61753	2:50p-3:40p	Tu Th	Abbey T	SAC G-114 Full Semester

#### **KINESIOLOGY FITNESS 147, WEIGHT TRAINING CO-ED** **1 UNIT**

*Introductory instruction and practice in large muscle area development utilizing free weight. Development will be in muscle size or tone and strength or endurance.*

62316	10:00a-11:25a	Tu Th	Macdonald J	SAC G-103 Full Semester
61798	11:00a-12:25p	M W	Brown M	SAC G-103 Full Semester

**Be the** Sign up for SAC's mobile alert  
emergency notification system.  
**First to Know!**

Text **SAC** to 253788 (AlertU) and reply **Y**  
Or sign up online at [www.alertu.org/sac](http://www.alertu.org/sac)

Text messages sent only in emergencies  
No spam ■ Standard text message rates apply

# AlertU

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

## KINESIOLOGY HEALTH EDUCATION (FORMERLY EXERCISE SCIENCE HEALTH EDUCATION)

### KINESIOLOGY HEALTH EDUCATION 101, HEALTHFUL LIVING 3 UNITS

A comprehensive look at factors that impact people's health, longevity and lifetime wellness. Areas covered will be personal fitness, nutrition, drugs, alcohol and tobacco, AIDS and sexually transmitted diseases and degenerative diseases including cancer, heart disease, strokes and diabetes.

61778			Breig D	SAC WEB	10/22-12/14
Section 61778 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor the first week of class (breig_david@sac.edu).					

61777			Breig D	SAC WEB	08/27-10/19
Section 61777 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor the first week of class (breig_david@sac.edu).					

62365	9:30a-10:55a	Tu Th	Siddons A	SAC F-102	Full Semester
61762	11:15a-12:40p	Tu Th	Abbey T	SAC F-102	Full Semester
61760	11:15a-12:40p	M W	Abbey T	SAC F-102	Full Semester
62363	6:00p-9:10p	Tu	Siddons A	SAC F-102	Full Semester

### KINESIOLOGY HEALTH EDUCATION 102, WOMEN'S HEALTH ISSUES 3 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.

62350			Nutter K	SAC WEB	Full Semester
Section 62350 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor the first week of class (nutter_kim@sac.edu).					

62005			Coffman J	SAC WEB	Full Semester
Section 62005 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor the first week of class (coffman_jodi@sac.edu).					

### KINESIOLOGY HEALTH EDUCATION 104, NUTRITION AND FITNESS 2 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.

61763			Abbey T	SAC WEB	08/27-10/19
Section 61763 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor the first week of class (abbey_troy@sac.edu).					

62321	1:30p-3:35p	Tu	Macdonald J	SAC F-103	Full Semester
-------	-------------	----	-------------	-----------	---------------

### KINESIOLOGY HEALTH EDUCATION 105, FIRST AID AND PERSONAL SAFETY 1.5 UNITS

Instruction in accident prevention and immediate care to accident victims. Certificate available upon completion. Prepares student for E.S. Health Education 106.

62499	7:30a-8:55a	Tu Th	Gorrie R	SAC G-107	08/28-10/18
63378	7:30a-8:55a	Tu Th	Gorrie R	SAC G-107	10/23-12/13

### KINESIOLOGY HEALTH EDUCATION 107, CARDIOPULMONARY RESUSCITATION 2 UNITS

Instruction in artificial respiration and manual artificial circulation that is recommended for use in cardiac arrest cases. Instruction in the Automatic External Defibrillator (AED) will also be included. Successful completion may lead to American Heart Association Certificate and/or American Red Cross Certificate. May be repeated for recertification.

62484	9:40a-11:45a	Tu Th	Sneddon D	SAC G-107	08/28-10/18
62483	6:00p-9:20p	W	Sneddon D	SAC G-107	08/29-10/31
62485	9:40a-11:45a	Tu Th	Sneddon D	SAC G-107	10/23-12/13

## KINESIOLOGY INTERCOLLEGIATE ATHLETICS (FORMERLY EXERCISE SCIENCE INTERCOLLEGIATE ATHLETICS)

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 202, BASKETBALL-MEN 3 UNITS

An advanced competitive program for student athletes with exceptional basketball talent. Students must meet C.O.A. eligibility requirements and pass a health screening prior to intercollegiate competition.

61779	2:50p-4:50p	M W F	Breig D	SAC G-105	Full Semester
	4:50p-6:55p	Tu Th	Breig D	SAC G-105	

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 204, FOOTBALL-MEN 3 UNITS

A high-level, competitive program for students with exceptional football talent. The program provides competition with conference colleges as well as with other California community colleges. Students must have a health screening to participate.

**Material Fee(s): \$5**

62090	3:00p-5:30p	Tu W Th F	Jones G	SAC G-113	Full Semester
-------	-------------	-----------	---------	-----------	---------------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 209, WATER POLO - MEN 3 UNITS

A high-level, competitive program for students with exceptional water polo talent. Students must meet C.O.A. eligibility requirements and pass a health screening prior to intercollegiate competition.

63373	5:55a-8:00a	M Tu	Reyes A	SAC G-121	Full Semester
	12:00p-2:00p	M Tu Th	Reyes A	SAC G-121	

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 210, WRESTLING-MEN 3 UNITS

A high-level competitive program for students with exceptional wrestling talent. To compete on an intercollegiate athletic team, the student must comply with C.O.A. regulations.

62584	4:00p-6:05p	M Tu W Th F	Silva V	SAC W-111	Full Semester
-------	-------------	-------------	---------	-----------	---------------

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 212, BASKETBALL-WOMEN 3 UNITS

An advanced competitive program for student athletes with exceptional basketball talent. Students must meet C.O.A. eligibility requirements and pass a health screening prior to intercollegiate competition.

62309	4:50p-6:55p	M W F	Luppiani M	SAC G-105	Full Semester
	2:50p-4:50p	Tu Th	Luppiani M	SAC G-105	

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 213, VOLLEYBALL-WOMEN 3 UNITS

A competitive program for student-athletes. Emphasis will be placed on advanced technical skill development, offensive and defensive systems analysis, sport specific physical fitness, and intercollegiate and conference competition. Students must meet the California Community College Athletic Association eligibility requirements and pass a health screening prior to intercollegiate competition.

61764	12:45p-2:50p	M Tu W Th F	Abbey T	SAC G-105	Full Semester
-------	--------------	-------------	---------	-----------	---------------

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 214, GOLF-WOMEN 3 UNITS

A high-level competitive program for student athletes with exceptional golf talent. Students must meet C.O.A. eligibility requirements and pass a health screening prior to intercollegiate competition.

62587	1:00p-4:25p	M W F	Olsen K	SAC RIV-GOLFFull Semester	
-------	-------------	-------	---------	---------------------------	--

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 216, SOCCER-MEN 3 UNITS

A competitive program for student-athletes. A class in which emphasis is placed on advanced technical and tactical skill development, offensive and defensive systems analysis, sport specific physical fitness, and intercollegiate and conference competition. Students must meet California Community College Athletic Association eligibility requirements and pass a health screening prior to competition.

62523	4:10p-6:15p	M Tu W Th F	Vasquez J	SAC G-118	Full Semester
-------	-------------	-------------	-----------	-----------	---------------

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 219, CROSS COUNTRY-WOMEN 3 UNITS

The program provides competition with conference colleges as well as with other California community colleges.

62585	1:00p-3:05p	M Tu W Th F	Mitzel M	SAC G-113	Full Semester
-------	-------------	-------------	----------	-----------	---------------

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 220, SOCCER-WOMEN 3 UNITS

A competitive program for student-athletes. A class in which emphasis is placed on advanced technical and tactical skill development, offensive and defensive systems analysis, sport specific physical fitness, and intercollegiate and conference competition. Students must meet Commission on Athletic (COA) eligibility requirements and pass a health screening prior to competition.

62522	2:00p-4:05p	M Tu W Th F	Rapoza J	SAC G-118	Full Semester
-------	-------------	-------------	----------	-----------	---------------

### KINESIOLOGY INTERCOLLEGIATE ATHLETICS 221, WATER POLO-WOMEN 3 UNITS

A high level competitive program for women students with exceptional water polo talent. To compete on an intercollegiate athletic team, the student must comply with C.O.A. regulations.

62581	5:55a-8:00a	Th F	Welsh M	SAC G-121	Full Semester
	2:00p-4:00p	M Tu Th	Welsh M	SAC G-121	

## KINESIOLOGY PROFESSIONAL (FORMERLY EXERCISE SCIENCE PROFESSIONAL)

### KINESIOLOGY PROFESSIONAL 101, INTRODUCTION TO KINESIOLOGY 3 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.

62007	9:00a-10:25a	Tu Th	Coffman J	SAC F-103	Full Semester
-------	--------------	-------	-----------	-----------	---------------

### KINESIOLOGY PROFESSIONAL 125, SPORT PSYCHOLOGY 3 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.

62006			Coffman J	SAC WEB	Full Semester
Section 62006 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor the first week of class (coffman_jodi@sac.edu).					

### KINESIOLOGY PROFESSIONAL 140, MOVEMENT EDUCATION FOR ELEMENTARY SCHOOL CHILDREN 3 UNITS

This course is designed to acquaint the elementary school major with physical education programs in grades K-6. The course includes observation, visitation, and actual teaching field work at an elementary school.

63370	9:40a-10:30a	M W	Sos B	SAC G-106	Full Semester
	10:35a-12:00p	M W	Sos B	SAC G-105	

## Do you like, play or watch sports?



### **SPORTS AND SOCIETY** **KNPR 150**

On-Line Class (no campus meetings)

**Learn the role sports play in our society.**

3 Units. Transferable course.

Satisfies Plan A Area D-2 & Plan B Area D-7

**KINESIOLOGY PROFESSIONAL 150, SPORT AND SOCIETY** **3 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.

62312 Luppiani M SAC WEB Full Semester  
Section 62312 Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.  
Email instructor the first week of class (luppiani\_flo@sac.edu).

**KINESIOLOGY PROFESSIONAL 160, MANAGEMENT OF PHYSICAL EDUCATION AND SPORT** **3 UNITS**  
This course examines all aspects of sports administration including the management process, organization of interscholastic and intercollegiate sports, human resources, fiscal issues, legal liability, and public relations. The course is intended for students interested in a career in physical education, coaching, fitness and sports administration.

62477 Siddons A SAC WEB Full Semester  
Section 62477 Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.  
Email instructor the first week of class (siddons\_al@sac.edu).

**KINESIOLOGY PROFESSIONAL 165, THEORY OF SOFTBALL** **2 UNITS**  
A general overview of rules, regulations, strategies, mental preparation, skill evaluation, and the history of the sport of softball. Includes strategies and winning techniques of the game.

62355 11:30a-12:20p Tu Th Nutter K SAC G-120 Full Semester

**KINESIOLOGY PROFESSIONAL 170, SPORT ETHICS** **3 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.

62008 11:00a-12:25p M W Coffman J SAC F-103 Full Semester

**KINESIOLOGY PROFESSIONAL 175, THEORY OF FOOTBALL** **2 UNITS**  
Tactics and strategies applied to specific game situations incorporating evaluation of opponents development of game plan including offense, defense, and the kicking game.

62099 4:00p-6:05p M Jones G SAC F-102 Full Semester

**KINESIOLOGY PROFESSIONAL 200, THEORY OF BASEBALL** **2 UNITS**  
Designed for the competitive baseball player. Topics to include offensive and defensive baseball strategies, bunting, baserunning, mental and physical preparation of becoming a baseball player.

62489 2:10p-3:00p M W Sneddon D SAC G-106 Full Semester

## **KINESIOLOGY SPORTS MEDICINE**

**(FORMERLY EXERCISE SCIENCE SPORTS MEDICINE)**

**KINESIOLOGY SPORTS MEDICINE 101, INTRODUCTION TO SPORTS MEDICINE** **3 UNITS**  
Introduction to the field of sports medicine. Will provide basic exposure to athletic injuries, taping techniques, and appropriate treatment, prevention, and rehabilitation of athletic injuries. Prerequisite: Concurrent enrollment in K.N. Sports Medicine 150.

63379 8:00a-9:25a Tu Th Kinney G SAC G-106 Full Semester

**KINESIOLOGY SPORTS MEDICINE 150, ATHLETIC TRAINING INTERNSHIP** **2 UNITS**  
A laboratory experience in the application of preventative, acute and post-injury treatment of common athletic injuries. Taping skills and use of therapeutic modalities will be emphasized. Also covered will be the administration and daily functioning of the training room and participating in a hands-on internship under certified athletic trainers. Each student will be required to put in 6 hours per week as an intern in the Athletic Training Room and/or at athletic events. Prerequisite: Concurrently in K.N. Sports Medicine 101.

63380 9:30a-10:20a Tu Th Kinney G SAC G-102 Full Semester



## **Library Research**

**Stop wasting time!**

Become an efficient user of information resources.  
Sign up for 1 unit course:

**LIBI 100, Library Research Fundamentals**

## **LIBRARY & INFORMATION STUDIES**

**LIBRARY & INFORMATION STUDIES 100, LIBRARY RESEARCH FUNDAMENTALS** **1 UNIT**  
Designed to provide students with survival skills in libraries. Print and non-print information sources such as reference books, magazines, databases and the Internet will be discussed. Students will participate in hands-on exercises in the Library.

60690 1:00p-2:05p Tu Pedroza L SAC L-112-1 Full Semester  
60689 1:00p-2:05p W Pedroza L SAC L-112-1 Full Semester

## **Library Technology Certificate AA Degree in Library Technology**

- Training for persons working in, or seeking to work in school, public, academic, or special libraries.
- Professional development coursework for library assistants, library technicians, or library media technicians



For additional information visit our program web site:  
[sac.edu/studentservices/library/pages/ltprogram.aspx](http://sac.edu/studentservices/library/pages/ltprogram.aspx)  
or contact Yolanda Garcia, [garcia\\_yolanda@sac.edu](mailto:garcia_yolanda@sac.edu)  
714-564-6717.

## **LIBRARY TECHNOLOGY**

**LIBRARY TECHNOLOGY 053, LIBRARY INTERNSHIP** **3 UNITS**  
Closely supervised field work experience in two 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 on-line. To be taken in the last semester of an A.A. Degree or Certificate in Library Technology.

Prerequisite: Library Technology 101, 110, 122.  
60694 4:00p-5:55p W Garcia Y SAC L-112-1 Full Semester  
Section 60694. First class meeting for Library Technology 053, Library Internship will be the first Wednesday of the semester, August 29, 4:00p-5:55p SAC L-112-1.

**LIBRARY TECHNOLOGY 102, INFORMATION SOURCES FOR PARAPROFESSIONALS: TOOLS AND TECHNIQUES** **3 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.

60713 6:00p-9:10p Tu Gerth K SAC L-112-1 Full Semester



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

## MANAGEMENT

### MANAGEMENT 120, PRINCIPLES OF MANAGEMENT 3 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. (Same as Business 120.)

61031	9:30a-10:55a	Tu Th	Shweiri G	SAC A-130	Full Semester
61035	6:00p-9:10p	W	Irion M	SAC A-130	Full Semester

### MANAGEMENT 121, HUMAN RELATIONS AND ORGANIZATIONAL BEHAVIOR 3 UNITS

The role of the manager and management's relationship to employees. Includes the application of motivational theories, communications, leadership, and organizational structure. (Same as Business 121.)

61040	6:00p-9:10p	M	Shweiri G	SAC D-101	Full Semester
-------	-------------	---	-----------	-----------	---------------

### MANAGEMENT 122, BUSINESS COMMUNICATIONS 3 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.

61049	7:00p-10:10p	M	Woolgar D	SAC A-205	Full Semester
-------	--------------	---	-----------	-----------	---------------

### MANAGEMENT 135, HUMAN RESOURCE MANAGEMENT 3 UNITS

Introductory course covers the goals, activities, and challenges of human resources. Includes equal employment opportunity and diversity, recruitment and selection, leadership and motivation, training and development, compensation, employee and labor/management relations.

61037	6:00p-9:10p	Tu	Irion M	SAC D-102	Full Semester
-------	-------------	----	---------	-----------	---------------

## MANUFACTURING TECHNOLOGY

### MANUFACTURING TECHNOLOGY 011, BASIC BLUEPRINT READING 2 UNITS

Reading and interpreting blueprints for manufacturing. (Same as Engineering 011.)

64079	10:00a-12:00p	M	Staff	SAC A-216	Full Semester
W 64009	5:00p-7:05p	F	Farmer B	SAC A-130	Full Semester

### MANUFACTURING TECHNOLOGY 053, TECHNICAL MATHEMATICS 3 UNITS

Ratios and proportions, formulas, measurements (liner, surface, and volume), geometric construction, and right triangles. Basics of algebra, geometry, and trigonometry for the manufacturing industry.

Prerequisite: Mathematics N48 with grade of C or better.

W 64016	7:15p-10:25p	F	Farmer B	SAC A-130	Full Semester
---------	--------------	---	----------	-----------	---------------

### MANUFACTURING TECHNOLOGY 058, BASIC MACHINING CONCEPTS AND OPERATIONS 3 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. Concurrent enrollment in Manufacturing Technology 011 recommended.

64017	9:30a-1:45p	Tu Th	Kanzler D	SAC T-107	Full Semester
64139	5:30p-9:45p	Tu Th	Gershman B	SAC T-107	Full Semester
64140	6:00p-10:15p	M W	Kanzler D	SAC T-107	Full Semester

### MANUFACTURING TECHNOLOGY 059, ADVANCED TURNING CONCEPTS AND OPERATIONS 3 UNITS

Machine turning theory and skill development with emphasis on lathe principles, capabilities, and operations. Includes construction, tool grinding, and turning machine operations.

Prerequisite: Manufacturing Technology 058 with a grade of C or better.

64020	9:00a-1:15p	Tu Th	Kanzler D	SAC T-107	Full Semester
64141	5:30p-9:45p	M W	Kanzler D	SAC T-107	Full Semester

### MANUFACTURING TECHNOLOGY 068, ADVANCED MILLING CONCEPTS AND OPERATIONS 3 UNITS

Advanced machine tool operation and setup with emphasis on milling machine principles, use, and capabilities, accessories, and operations.

Prerequisite: Manufacturing Technology 058 with a grade of C or better.

64142	9:00a-1:15p	Tu Th	Kanzler D	SAC T-107	Full Semester
64143	5:30p-9:45p	M W	Kanzler D	SAC T-107	Full Semester

### MANUFACTURING TECHNOLOGY 069, JOB SHOP SKILLS 0.5 - 9 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 059 and 068.

Open Entry / Open Exit

64144	9:00a-1:45p	Tu Th	Kanzler D	SAC T-107	Full Semester
64145	5:00p-9:45p	M W	Kanzler D	SAC T-107	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

### MANUFACTURING TECHNOLOGY 071, CNC PROGRAM WRITING 4 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.

Prerequisite: Prior or concurrent enrollment in Manufacturing Technology 058.

W 64146	9:00a-1:15p	Sa	Singh N	SAC H-207	Full Semester
---------	-------------	----	---------	-----------	---------------

### MANUFACTURING TECHNOLOGY 073, MASTERCAM - 2D GEOMETRY, 2D TOOLPATHS 3 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. Suggested preparation: Manufacturing Technology 071.

64147	6:00p-7:25p	Tu Th	Singh N	SAC T-203-1	Full Semester
-------	-------------	-------	---------	-------------	---------------

Section 64147 has 2 hours arranged per week.

### MANUFACTURING TECHNOLOGY 074, CNC MILLING CENTER SET UP AND OPERATION 3 UNITS

Basic setup and operation of numerically controlled milling machines. Students will set up and run a 3 axis CNC milling machine.

Prerequisite: Manufacturing Technology 058 and 071 with a grade of C or better.

64148	7:30p-10:40p	M	Singh N	SAC T-101	Full Semester
-------	--------------	---	---------	-----------	---------------

Section 64148 has 2 hours arranged per week.

### MANUFACTURING TECHNOLOGY 075, MASTERCAM - 3D GEOMETRY, 3D SURFACES 3 UNITS

Continued instruction of computer assisted numerical control programming. Advanced concepts and methods of creating 3-D geometry and 3-D surfaces using mastercam 3-D software. Suggested preparation: Manufacturing Technology 073.

64149	6:00p-7:25p	M W	Singh N	SAC T-203-1	Full Semester
-------	-------------	-----	---------	-------------	---------------

Section 64149 has 2 hours arranged per week.

### MANUFACTURING TECHNOLOGY 078, MASTERCAM LATHE 3 UNITS

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

Prerequisite: Manufacturing Technology 071, 073, and 076.

64150	7:30p-10:40p	Tu	Singh N	SAC T-203-1	Full Semester
-------	--------------	----	---------	-------------	---------------

Section 64150 has 2 hours arranged per week.

### MANUFACTURING TECHNOLOGY 086, ADVANCED CNC LATHE PROGRAMMING, SETUP AND OPERATION 3 UNITS

Advanced programming, setup 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.

Prerequisite: Manufacturing Technology 071 with a minimum grade of C and Manufacturing Technology 076 with a minimum grade of C.

64151	7:30p-10:40p	Th	Singh N	SAC T-101	Full Semester
-------	--------------	----	---------	-----------	---------------

Section 64151 has 2 hours arranged per week.

### MANUFACTURING TECHNOLOGY 094, CNC HORIZONTAL MILL SETUP AND OPERATION 3 UNITS

Set up and operation of CNC Horizontal Machining Center. Student 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, 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.

Prerequisite: Manufacturing Technology 071 with a minimum grade of C, Manufacturing Technology 074 with a minimum grade of C, and Manufacturing Technology 084 with a minimum grade of C.

64152	7:30p-10:40p	W	Singh N	SAC T-101	Full Semester
-------	--------------	---	---------	-----------	---------------

Section 64152 has 2 hours arranged per week.

### MANUFACTURING TECHNOLOGY N96, MACHINE TOOL LABORATORY 0 UNIT

Supervised use of the machine tool lab for completion of lab projects using CNC machines as required for the various CNC machine set up and operation courses. Also available for additional lab work by conventional machining students. Not applicable to associate degree.

Prerequisite: Enrollment in any other MNFG TECH course with a required lab component.

Open Entry / Open Exit

64172	8:30a-10:30a	Tu	Kanzler D	SAC T-107	Full Semester
64174	8:30a-10:30a	Th	Kanzler D	SAC T-107	Full Semester
W 64177	9:00a-10:50a	Sa	Diglio G	SAC T-107	Full Semester
64173	10:45a-12:45p	Tu	Kanzler D	SAC T-107	Full Semester
64176	10:45a-12:45p	Th	Kanzler D	SAC T-107	Full Semester
W 64178	11:00a-12:50p	Sa	Diglio G	SAC T-107	Full Semester
W 64179	1:30p-3:20p	Sa	Diglio G	SAC T-107	Full Semester
W 64180	3:30p-5:20p	Sa	Diglio G	SAC T-107	Full Semester
64164	5:30p-7:30p	M	Kanzler D	SAC T-107	Full Semester
64166	5:30p-7:30p	W	Kanzler D	SAC T-107	Full Semester
64168	5:30p-7:30p	Tu	Gershman B	SAC T-107	Full Semester
64170	5:30p-7:30p	Th	Gershman B	SAC T-107	Full Semester
64165	7:45p-9:45p	M	Kanzler D	SAC T-107	Full Semester
64167	7:45p-9:45p	W	Kanzler D	SAC T-107	Full Semester
64171	7:45p-9:45p	Th	Gershman B	SAC T-107	Full Semester
64169	7:45p-9:45p	Tu	Gershman B	SAC T-107	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**MANUFACTURING TECHNOLOGY N97, CAD/CAM COMPUTER LABORATORY 0 UNIT**

Supervised use of the CAD/CAM Computer Lab for experience in the use of personal computers and software used in the primary course in which the student is enrolled.

Prerequisite: Concurrent enrollment in a CAD/CAM course

Open Entry / Open Exit

W	64181	9:00a-10:50a	Sa	Digilio G	SAC T-107	Full Semester
W	64182	11:00a-12:50p	Sa	Digilio G	SAC T-107	Full Semester
W	64183	1:30p-3:20p	Sa	Digilio G	SAC T-107	Full Semester
W	64184	3:30p-5:20p	Sa	Digilio G	SAC T-107	Full Semester

**MANUFACTURING TECHNOLOGY 103, SOLIDWORKS BASIC SOLID MODELING 3 UNITS**

Introductory course in parametric solid modeling. This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, sweep, primitive, fillet, chamfer, etc), including the preparation of individual solid components and basic solid model assemblies. (Same as Engineering 103.)

	64153	7:00p-10:10p	W	Cole J	SAC T-203	Full Semester
Section 64153 has 2 hours arranged per week.						
	64155	7:00p-10:10p	Tu	Corley G	SAC T-203	Full Semester
Section 64155 has 2 hours arranged per week.						

**MANUFACTURING TECHNOLOGY 105, SOLIDWORKS ADVANCED SOLID MODELING 3 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.

	64158	7:00p-10:10p	Th	Cole J	SAC T-203	Full Semester
Section 64158 has 2 hours arranged per week.						

**MANUFACTURING TECHNOLOGY 114, GEOMETRIC DIMENSIONING AND TOLERANCING 3 UNITS**

Drawing interpretation utilizing geometric dimensioning and tolerancing (ANSI Y14.5) as applied in engineering, manufacturing, and inspection. Suggested preparation: Prior or concurrent enrollment in Manufacturing Technology 011 or Engineering 122. (Same as Engineering 114.)

	64160	7:00p-10:10p	W	Corley G	SAC R-114	Full Semester
--	-------	--------------	---	----------	-----------	---------------

**MANUFACTURING TECHNOLOGY 130A, CATIA SOLID MODELING I 3 UNITS**

Introductory course in parametric solid modeling CAD using CATIA software. Topics include: CAD overview, sketching, basic solid model creation (base features, extrudes, revolves, etc.) sketch constraints, reference elements, hole features, feature editing, assembly and drawing creation.

📺	64137			Cole J	SAC WEB	Full Semester
Section 64137 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.						

**MANUFACTURING TECHNOLOGY 130B, CATIA SOLID MODELING II 3 UNITS**

Intermediate course in parametric solid modeling CAD using CATIA software. Topics: intermediate level sketching, modeling (ribs, slots, lofts), feature transformation, assemblies, drafting workbench, surface modeling, and other CATIA modules. Suggested Preparation: Manufacturing Technology 130A.

📺	64138			Cole J	SAC WEB	Full Semester
Section 64138 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.						

**MANUFACTURING TECHNOLOGY 188, MACHINE TECHNOLOGY SURVEY 3 UNITS**

Machine tool setup and operation for students who desire general knowledge of machine tools and processes. All the basic machine tools are used. Not intended for Manufacturing Technology majors. (Same as Engineering 188.)

Prerequisite: Successful completion of or concurrent enrollment in any one of the following: Manufacturing Technology 011; Engineering 011, 051, 122, 124, 125.

	64161	9:30a-1:45p	Tu Th	Kanzler D	SAC T-107	Full Semester
	64162	5:30p-9:45p	Tu Th	Gershman B	SAC T-107	Full Semester
	64163	5:30p-9:45p	MW	Kanzler D	SAC T-107	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------



## Contemporary Marketing A.A. Degree & Certificate Program

### Core Classes (Full Semester)

Mktg 113 – Fundamentals of Marketing

Tues/Thurs, 9:30-10:55 am  
Mon, 7:00-10:00 pm

### 21st Century Marketing Sequence:

Thurs 6-10 pm – 4 & 8 week classes

Mktg 123 – Marketing and Technology – 8/30-9/20

Mktg 124 – Cause Marketing & PR – 9/27-10/18

Entr 105 – Social Media Marketing – 10/25-12/13



### Advertising & Distribution Sequence:

On line Classes – 8 weeks each



Mktg 125 – Advertising & Promotion – 8/27-10/19

Mktg 126 – Distributing Products & Services – 10/22-12/14

**It's your Moment to Create a Movement !**

## MARKETING

**MARKETING 113, PRINCIPLES OF MARKETING 3 UNITS**

The process of developing products that will satisfy the many needs of consumers and businesses. Includes market research techniques, pricing, distribution, and promotion.

61066	9:30a-10:55a	Th	Grant M	SAC A-203	Full Semester
63351	7:00p-10:10p	M	Stewart L	SAC A-203	Full Semester

**MARKETING 123, MARKETING AND TECHNOLOGY - TRENDS AND CUTTING EDGES 1 UNIT**

This course will cover the latest trends in mixed marketing technologies. Learn to use the latest technologies to drive awareness, create demand, and close sales. Discover the latest trends, strategies, and tools for using technology for marketing what they are, how they work, and how to get started.

61067	6:00p-10:00p	Th	Russo J	SAC A-209	08/30-09/20
-------	--------------	----	---------	-----------	-------------

**MARKETING 124, CAUSE MARKETING AND PUBLIC RELATIONS - DOING WELL BY DOING GOOD 1 UNIT**

This course will cover how companies can be successful by doing good, helping society and people. Learn about not-for-profit businesses and socially responsible for-profit businesses. Learn how authentic corporate giving, cause marketing and the power of public relations can help drive the triple bottom line profits, people and planet.

61068	6:00p-10:00p	Th	Russo J	SAC A-209	09/27-10/18
-------	--------------	----	---------	-----------	-------------

**MARKETING 125, ADVERTISING AND PROMOTION - GET THE WORD OUT AND KEEP YOUR CUSTOMERS BUYING 2 UNITS**

This course will provide students with an in-depth look into cutting edge advertising and promotion strategies used by small, medium and large companies. Students will learn how to create an advertising campaign, including the planning, costs and creative design process. Students will learn how promotions are used to increase sales, to build brand loyalty and to build relationship with customers.

📺	61069			Russo J	SAC WEB	08/27-10/19
Section 61069 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.						

**MARKETING 126, DISTRIBUTING PRODUCT AND SERVICES - REACHING CUSTOMERS WHERE THEY SHOP 2 UNITS**

This course will teach the latest and most cost effective strategies to reach your customer. Students will learn how an efficient B2B and/or B2C distribution system utilizing marketing intermediaries, direct sales, online distribution, and global markets can increase profits. Supply Chain strategies, channel evaluation and relationships will be highlighted.

📺	61070			Grant M	SAC WEB	10/22-12/14
Section 61070 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.						

**Be connected—stay connected**

Keep up to date on campus news.  
Connect with friends on campus.

Become a  
Facebook Fan



<http://www.facebook.com/SantaAnaCollege>



Follow SAC  
on Twitter

<http://twitter.com/#!/SantaAnaCollege>

**Academic Planning Questions?**  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

## Mathematic Course Icons



Students will be required to use the MyMathLab or other software which is packaged with new textbooks. Homework and/or quizzes will be submitted via the internet.

Graphing Calculators will be required.  
TI-84+ Recommended

## MATHEMATICS

### MATHEMATICS N05A, BASIC MATHEMATICS-A

1 UNIT

Reviews whole numbers and fractions using lectures, self-paced computer assisted instruction, and manipulative activities. Not applicable to associate degree.

Open Entry / Open Exit

CAI 61926	8:00a-10:05a	MW	Rogers N	SAC L-206	Full Semester
CAI 61931	10:15a-12:20p	Tu Th	Rogers N	SAC L-206	Full Semester
CAI 61939	1:00p-3:05p	MW	Leeds K	SAC L-206	Full Semester
CAI 61955	5:45p-10:00p	Tu	Shahbazian R	SAC L-206	Full Semester
CAI 61947	5:45p-10:00p	M	Felton D	SAC L-206	Full Semester

### MATHEMATICS N05B, BASIC MATHEMATICS-B

1 UNIT

Reviews decimals and percents using lectures, self-paced computer assisted instruction, and manipulative activities. Not applicable to associate degree.

Prerequisite: Mathematics N05A.

Open Entry / Open Exit

CAI 61927	8:00a-10:05a	MW	Rogers N	SAC L-206	Full Semester
CAI 61932	10:15a-12:20p	Tu Th	Rogers N	SAC L-206	Full Semester
CAI 61940	1:00p-3:05p	MW	Leeds K	SAC L-206	Full Semester
CAI 61956	5:45p-10:00p	Tu	Shahbazian R	SAC L-206	Full Semester
CAI 61949	5:45p-10:00p	M	Felton D	SAC L-206	Full Semester

### MATHEMATICS N05C, BASIC MATHEMATICS-C

1 UNIT

Reviews geometric formulas and signed numbers using lectures, self-paced computer assisted instruction, and manipulative activities. Not applicable to associate degree.

Prerequisite: Mathematics N05A and N05B.

Open Entry / Open Exit

CAI 61928	8:00a-10:05a	MW	Rogers N	SAC L-206	Full Semester
CAI 61933	10:15a-12:20p	Tu Th	Rogers N	SAC L-206	Full Semester
CAI 61942	1:00p-3:05p	MW	Leeds K	SAC L-206	Full Semester
CAI 61957	5:45p-10:00p	Tu	Shahbazian R	SAC L-206	Full Semester
CAI 61951	5:45p-10:00p	M	Felton D	SAC L-206	Full Semester

### MATHEMATICS N06, ESSENTIAL MATHEMATICS

3 UNITS

Reviews whole numbers, fractions, decimals, percents, geometric formulas and signed numbers. Not applicable to associate degree.

Prerequisite: Must take math placement test.

CAI 61876	8:00a-10:05a	MW	Rollins-Logay E	SAC L-207	Full Semester
CAI 61877	9:45a-11:50a	Tu Th	Solheid C	SAC L-207	Full Semester
CAI 61879	12:30p-2:35p	MW	Nguyen H	SAC L-207	Full Semester
CAI 61880	5:00p-7:05p	Tu Th	Root A	SAC L-207	Full Semester
CAI 61878	5:45p-10:00p	W	Felton D	SAC L-207	Full Semester
CAI 61881	7:15p-9:20p	Tu Th	Root A	SAC L-207	Full Semester

### MATHEMATICS N47A, PRE-ALGEBRA/ALGEBRA ESSENTIALS A

2 UNITS

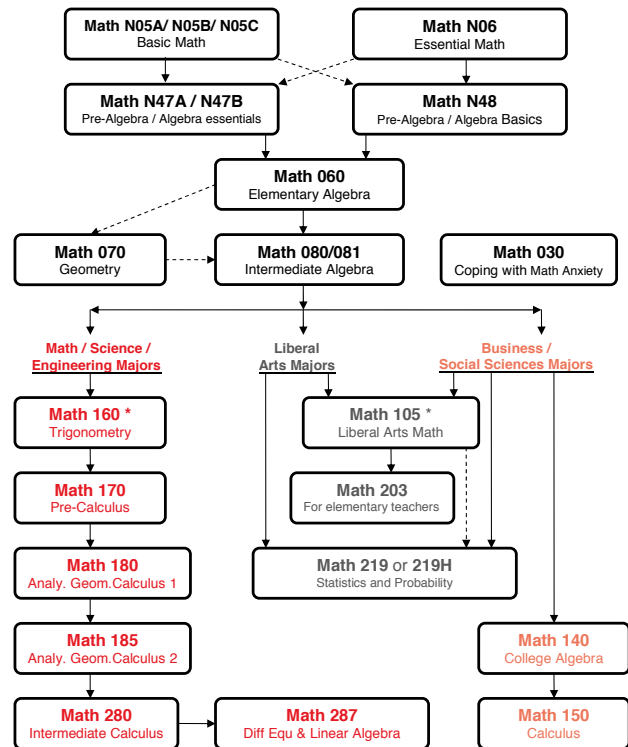
For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, and algebraic operations using lectures, self-paced computer assisted instruction, and manipulative activities. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to the associate degree.

Prerequisite: Mathematics N05 (N05A, N05B, and N05C) or N06 with a grade of C or better or equivalent skills as measured by the Math Level 1 Exam and a course equivalent to Math N05 or N06.

Open Entry / Open Exit

CAI 61929	8:00a-10:05a	MW	Rogers N	SAC L-206	Full Semester
CAI 61934	10:15a-12:20p	Tu Th	Rogers N	SAC L-206	Full Semester
CAI 61944	1:00p-3:05p	MW	Leeds K	SAC L-206	Full Semester
CAI 61958	5:45p-10:00p	Tu	Shahbazian R	SAC L-206	Full Semester
CAI 61952	5:45p-10:00p	M	Felton D	SAC L-206	Full Semester

## Mathematics Course Sequences



**Note:** Where a student places in the sequence will depend upon previous background and test scores. Check prerequisites for all courses.

**Note:** Students planning to transfer to a four-year school should work carefully with a counselor and the catalog of the school of transfer. A college major should be chosen by the end of Math 080/081 to ensure enrollment in the most appropriate subsequent class

\*Geometry is prerequisite.

### MATHEMATICS N47B, PRE-ALGEBRA/ALGEBRA ESSENTIALS B

2 UNITS

For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, and algebraic operations using lectures, self-paced computer assisted instruction, and manipulative activities. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to the associate degree.

Prerequisite: Mathematics N05 or N06 with a grade of C or better or equivalent skills as measured by the Math Level 1 Exam and a course equivalent to Math N05 or N06. Math N47A is a prerequisite/corequisite.

Open Entry / Open Exit

CAI 61930	8:00a-10:05a	MW	Rogers N	SAC L-206	Full Semester
CAI 61936	10:15a-12:20p	Tu Th	Rogers N	SAC L-206	Full Semester
CAI 61945	1:00p-3:05p	MW	Leeds K	SAC L-206	Full Semester
CAI 61959	5:45p-10:00p	Tu	Shahbazian R	SAC L-206	Full Semester
CAI 61953	5:45p-10:00p	M	Felton D	SAC L-206	Full Semester

Online Counseling Now Available!

[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**MATHEMATICS N48, PRE-ALGEBRA/ALGEBRA BASICS**

**4 UNITS**

For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, algebraic operations. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to associate degree.

Prerequisite: Mathematics N05 or N06 with a grade of C or better or placement into Mathematics N48 on the Math Level 1 Exam and a course equivalent to Mathematics N05 or N06.

W 61925	8:00a-12:15p	Sa	Pilz L	SAC R-113	Full Semester
61891	8:00a-10:05a	MW	Staff	SAC R-113	Full Semester
61892	8:30a-10:35a	Tu Th	Marecek L	SAC R-113	Full Semester
Section 61892 is linked to Counseling 107, The Freshman Experience, Section 59462. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.					
61923	9:45a-11:50a	Tu Th	Powers R	SAC R-115	Full Semester
61911	9:45a-11:50a	Tu Th	Anthony M	SAC R-117	Full Semester
61893	10:15a-12:20p	MW	Rogers N	SAC R-113	Full Semester
Section 61893 is linked to Counseling 107, The Freshman Experience, Section 59474. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.					
61894	10:45a-12:50p	Tu Th	Shirman T	SAC R-113	Full Semester
61924	12:00p-2:05p	Tu Th	Marecek L	SAC R-117	Full Semester
61898	12:30p-2:35p	MW	Rogers N	SAC R-113	Full Semester
61895	1:00p-3:05p	Tu Th	Shirman T	SAC R-113	Full Semester
61901	3:15p-5:20p	Tu Th	Zeller M	SAC R-113	Full Semester
61909	5:00p-7:05p	MW	Galima L	SAC R-117	Full Semester
61908	5:30p-7:35p	MW	Lamanski J	SAC R-113	Full Semester
61896	5:30p-7:35p	Tu Th	Zeller M	SAC R-113	Full Semester
61904	7:45p-9:50p	Tu Th	Bradley K	SAC R-113	Full Semester

**MATHEMATICS 060, ELEMENTARY ALGEBRA**

**4 UNITS**

A first course in algebra which includes solutions and applications of first and second degree equations, geometric concepts, graphs, inequalities, exponents, polynomials, and algebraic fractions.

Prerequisite: Mathematics N48 with a grade of C or better; or placement into mathematics 060 on the mathematics level 1 or 2 placement exam and a course equivalent to Mathematics N48 or N47(all four units).

H 62205			Solheid C	SAC HYBRID	Full Semester
Section 62205 Between the dates of Aug 22-24 email the instructor at (solheid_christa@sac.edu) for instructions on how to view the mandatory orientation. Mandatory on-campus class meetings are Fri, Sept 21; Oct 19; Nov 16 and Dec 7, 4:00p-6:00p, SAC L-207. See online courses page in the class schedule or go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					

CAI 61655	7:00a-9:05a	Tu Th	Rollins-Logay E	SAC H-105	Full Semester
CAI 61488	7:00a-9:05a	MW	Heneks K	SAC H-104	Full Semester
CAI 61498	7:30a-9:35a	Tu Th	Hoang K	SAC R-117	Full Semester
CAI 61671	7:30a-9:35a	M Tu W Th	Everett M	SAC R-318	08/27-10/18
Fast Track to Success-Section 61671 is linked to Counseling 100, Lifelong Understanding and Self Development, Section 64076, and Math 080, Intermediate Algebra, Section 61682. Enrollment in all sections is mandatory. E-mail counselor Palomares_Eva@sac.edu for more information..					
CAI 61503	7:45a-9:50a	Tu Th	Nguyen K	SAC I-203	Full Semester
CAI 61482	8:00a-10:05a	MW	Marecek L	SAC I-204	Full Semester
CAI 61504	9:45a-11:50a	Tu Th	Mc Clure C	SAC H-104	Full Semester
CAI 61637	9:45a-11:50a	MW	Hager B	SAC R-117	Full Semester

Section 61637 is linked to Counseling 107, The Freshman Experience, Section 59466. Enrollment in both sections is mandatory.

See Freshman Experience Program page in the class schedule for more information.

CAI 61506	10:00a-12:05p	Tu Th	Hoang K	SAC R-126	Full Semester
CAI 61656	10:15a-12:20p	MW	Heneks K	SAC I-202	Full Semester
CAI 61644	12:00p-2:05p	MW	Marecek L	SAC R-117	Full Semester
CAI 61485	12:00p-2:05p	Tu Th	Lechuga J	SAC R-115	Full Semester

Section 61485 is linked to Counseling 107, The Freshman Experience, Section 59475. Enrollment in both sections is mandatory.

See Freshman Experience Program page in the class schedule for more information.

CAI 61497	12:00p-2:05p	Tu Th	Schult Roman C	SAC R-303	Full Semester
61499	12:00p-2:05p	MW	Zarske J	SAC H-104	Full Semester
CAI 61641	2:45p-4:50p	MW	Lieu T	SAC H-105	Full Semester
CAI 61642	3:15p-5:20p	MW	Nason J	SAC H-109	Full Semester

Section 61642 is linked to Counseling 107, The Freshman Experience, Section 59477. Enrollment in both sections is mandatory.

See Freshman Experience Program page in the class schedule for more information.

CAI 61639	4:00p-6:05p	Tu Th	Camacho O	SAC I-209	Full Semester
CAI 61501	5:00p-7:05p	MW	Mahoney J	SAC I-204	Full Semester
CAI 61493	5:00p-7:05p	Tu Th	Elizondo G	SAC I-204	Full Semester
CAI 61645	5:30p-7:35p	Tu Th	Hashemi S	SAC H-105	Full Semester
CAI 61500	5:30p-7:35p	MW	Nason J	SAC I-203	Full Semester

Section 61500 will be required to use the MyMathLab or other software.

61672 6:00p-8:05p M Tu W Th Meier K SAC R-303 08/27-10/18  
Fast Track to Success-Section 61672 is linked to Counseling 100, Lifelong Understanding and Self Development, Section 64077, and Math 080, Intermediate Algebra, Section 61690.  
Enrollment in all sections is mandatory.

E-mail counselor, palomares\_eva@sac.edu for more information.

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

CAI 61505	7:15p-9:20p	Tu Th	Elizondo G	SAC I-204	Full Semester
Section 61505 will be required to use the MyMathLab or other software.					
61669	7:15p-9:20p	MW	Galima L	SAC R-117	Full Semester
CAI 61658	7:45p-9:50p	MW	Mahoney J	SAC I-204	Full Semester
Section 61658 will be required to use the MyMathLab or other software.					

**MATHEMATICS 070, GEOMETRY**

**3 UNITS**

Basic Euclidean geometry. Includes concepts of lines, planes, triangles, congruence, proofs, inequalities, parallel lines, similarity, areas, and volumes.

Prerequisite: Math 060 or 061 with a grade of C or better; or placement into Math 070 on the mathematics level 2 placement exam and a course equivalent to mathematics.

61674	1:15p-3:20p	Tu Th	Staff	SAC H-109	Full Semester
-------	-------------	-------	-------	-----------	---------------

**MATHEMATICS 080, INTERMEDIATE ALGEBRA**

**4 UNITS**

Systems of equations: inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, problem solving.

Prerequisite: Mathematics 060 or 061 with a grade of C or better; or placement into Math 080 on the Mathematics level 2 placement exam and a course equivalent to Mathematics 060 or 061.

H 62222			Vu D	SAC HYBRID	Full Semester
Section 62222 Between the dates of Aug 22-24 email the instructor at (vu_dahlia@sac.edu) for instructions on how to view the mandatory orientation. Mandatory on-campus class meetings are Fri, Sept 21; Oct 19; Nov 16 and Dec 7, 6:00p-8:00p, SAC I-203. See online courses page in the class schedule or go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					

CAI 61682	7:30a-10:05a	M Tu W Th	Everett M	SAC R-318	10/22-12/13
Fast Track to Success-Section 61682 is linked to Counseling 100, Lifelong Understanding and Self Development, Section 64076, and Math 060, Intermediate Algebra, Section 61671. Enrollment in all sections is mandatory. E-mail counselor, palomares_eva@sac.edu for more information.					

W 61675	8:00a-1:20p	Sa	Maiah A	SAC I-203	Full Semester
61690	6:00p-8:35p	M Tu W Th	Meier K	SAC R-303	10/22-12/13
Fast Track to Success-Section 61690 is linked to Counseling 100, Lifelong Understanding and Self Development, Section 64077, and Math 060, Intermediate Algebra, Section 61672. Enrollment in all sections is mandatory. E-mail counselor, palomares_eva@sac.edu for more information.					

**ATTENTION MATH 081 STUDENTS!**  
All Math 081 classes have a lab component requiring 16 hours (1hr/week) in the Math Center.

**MATHEMATICS 081, INTERMEDIATE ALGEBRA WITH LAB**

**4 UNITS**

A second course in algebra that includes systems of equations: inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, problem solving. All Math 081 classes include a laboratory requirement requiring weekly attendance in the Math Center.

Prerequisite: Mathematics 060 or 061 with a grade of C or better; or placement into Math 080 or 081 on the Mathematics level 2 placement exam and a course equivalent to Mathematics 060 or 061.

CAI 61704	6:15a-8:45a	MW	Minasian A	SAC I-203	Full Semester
CAI 61720	7:00a-9:30a	Tu Th	Powers R	SAC H-107	Full Semester
61696	7:30a-10:00a	MW	Nguyen K	SAC H-109	Full Semester
CAI 61699	8:15a-10:45a	Tu Th	Lechuga J	SAC R-114	Full Semester
CAI 61714	9:00a-11:30a	MW	Bourouis-Benyassine A	SAC I-203	Full Semester
61727	9:15a-11:45a	MW	Zarske J	SAC H-107	Full Semester
61739	10:15a-12:45p	Tu Th	Leeds K	SAC H-109	Full Semester
CAI 61718	10:15a-12:45p	MW	Vu D	SAC H-108	Full Semester
CAI 61724	10:15a-12:45p	Tu Th	Everett M	SAC I-203	Full Semester

Section 61724 is linked to Counseling 107, The Freshman Experience, Section 59465.

Enrollment in both sections is mandatory.

See Freshman Experience Program page in the class schedule for more information.

CAI 61735	11:45a-2:15p	MW	Bourouis-Benyassine A	SAC I-203	Full Semester
CAI 61726	12:00p-2:30p	Tu Th	Vu D	SAC H-107	Full Semester
CAI 61694	12:00p-2:30p	Tu Th	Shahbazian R	SAC H-105	Full Semester
61736	12:30p-3:00p	MW	Bowers C	SAC H-109	Full Semester
CAI 61719	1:00p-3:30p	Tu Th	McKowan-Bourguignon L	SAC I-203	Full Semester
61725	1:15p-3:45p	MW	Sill K	SAC I-109	Full Semester
CAI 61695	2:15p-4:45p	MW	Shahbazian R	SAC H-107	Full Semester
61702	3:45p-6:15p	Tu Th	Leeds K	SAC I-203	Full Semester
61734	5:00p-7:30p	Tu Th	Bowers C	SAC H-107	Full Semester
61701	7:15p-9:45p	MW	Maiah A	SAC H-107	Full Semester
CAI 61740	7:45p-10:15p	MW	Pai R	SAC H-109	Full Semester
61715	7:45p-10:15p	MW	Nguyen T	SAC H-105	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>MATHEMATICS 105, MATHEMATICS FOR LIBERAL ARTS STUDENTS</b> <b>3 UNITS</b>					
<i>An overview of mathematics for the liberal arts student. Topics will include problem solving, financial management, probability, statistics, and selected other topics such as set theory, geometry, logic, mathematical modeling, and the history of mathematics.</i>					
Prerequisite: Mathematics 080 or 081 with a grade of C or better or equivalent skills as measured by the Math Level 3 Exam and a course equivalent to Mathematics 080 or 081.					
CAI 61744	8:00a-12:15p	F	Solheid C	SAC L-207	Full Semester
CAI 61743	10:15a-12:20p	MW	Brown Z	SAC L-207	Full Semester
CAI 61745	12:30p-2:35p	MW	Porter S	SAC H-105	Full Semester
CAI 61747	2:15p-4:20p	Tu Th	Solheid C	SAC L-207	Full Semester
CAI 61746	2:45p-4:50p	MW	Porter S	SAC I-204	Full Semester
CAI 61748	7:45p-9:50p	Tu Th	Hendon S	SAC I-203	Full Semester

<b>MATHEMATICS 140, COLLEGE ALGEBRA</b> <b>4 UNITS</b>					
<i>Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series; counting theory; probability.</i>					
Prerequisite: Mathematics 080 or 081 with a grade of C or better or equivalent skills as measured by the Math Level 3 Exam and a course equivalent to Mathematics 080 or 081.					
H 61767			Carrera C	SAC HYBRID	Full Semester
Section 61767 Between the dates of Aug 22-24 email the instructor at <a href="mailto:carrera_cheryl@sac.edu">carrera_cheryl@sac.edu</a> for instructions on how to view the mandatory orientation. Mandatory on-campus class meetings are Fri, Sept 21; Oct 19; Nov 16 and Dec 7, 6:00p-8:00p, SAC I-204. See online courses page in the class schedule or go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
W 61757	7:00a-9:05a	MW	Nguyen D	SAC H-107	Full Semester
W 61758	8:00a-12:15p	Sa	Carrera C	SAC I-204	Full Semester
CAI 61749	9:45a-11:50a	Tu Th	Youssef M	SAC H-107	Full Semester
CAI 61750	12:00p-2:05p	MW	Kassman S	SAC H-107	Full Semester
CAI 61751	2:45p-4:50p	Tu Th	Hashemi S	SAC H-107	Full Semester
61755	5:00p-7:05p	MW	Carrera C	SAC H-107	Full Semester
CAI 61756	7:45p-9:50p	Tu Th	Lechuga H	SAC H-107	Full Semester

<b>MATHEMATICS 150, CALCULUS FOR BIOLOGICAL, MANAGEMENT AND SOCIAL SCIENCES</b> <b>4 UNITS</b>					
<i>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.</i>					
Prerequisite: Mathematics 140 or Mathematics 145 with a grade of C or better; placement into Mathematics 150 on the Mathematics level 3 placement exam and a course equivalent to Mathematics 140.					
CAI 61771	7:00a-9:30a	Tu Th	Youssef M	SAC L-207	Full Semester
61774	9:45a-12:15p	MW	Meier K	SAC H-105	Full Semester
CAI 61781	7:45p-10:15p	Tu Th	Gonzalez J	SAC H-105	Full Semester

<b>MATHEMATICS 160, TRIGONOMETRY</b> <b>4 UNITS</b>					
<i>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.</i>					
Prerequisite: Both Mathematics 070 and 080 or 081 with a grade of C or better; or placement in Mathematics 160 with the Mathematics Level 3 exam and courses equivalent to Mathematics 070 and 080 or 081.					
61784	8:00a-10:05a	Tu Th	Proffitt J	SAC H-109	Full Semester
CAI 61785	10:15a-12:20p	MW	McKowan-Bourguignon L	SAC H-109	Full Semester
STEM - Section 61785 is linked to Counseling 111, Learning Skills Development, Section 63313 and Counseling 100, Lifelong Understanding and Self Development, Section 63314. Enrollment in all sections is mandatory.					
See Freshman Experience Program page in the class schedule for more information.					
CAI 61786	5:30p-7:35p	MW	Cho A	SAC H-109	Full Semester
CAI 61793	6:30p-8:35p	Tu Th	Martinez J	SAC H-109	Full Semester

<b>MATHEMATICS 170, PRE-CALCULUS MATHEMATICS</b> <b>4 UNITS</b>					
<i>Advanced algebraic topics. Study of rational, trigonometric, exponential and logarithmic functions, and analytic geometry. Preparation for Mathematics 180.</i>					
Prerequisite: Mathematics 160 with a grade of C or better or equivalent skills as measured by the Math Level 4 Exam and a course equivalent to Mathematics 160.					
CAI 61796	7:00a-9:30a	MW	Hager B	SAC H-105	Full Semester
61800	9:15a-11:45a	Tu Th	Kashi M	SAC H-105	Full Semester
61797	2:45p-5:15p	Tu Th	Nguyen K	SAC H-105	Full Semester
CAI 61802	5:00p-7:30p	MW	Lieu T	SAC H-105	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>MATHEMATICS 180, ANALYTIC GEOMETRY AND CALCULUS</b> <b>4 UNITS</b>					
<i>Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates and areas.</i>					
Prerequisite: Mathematics 170 (Precalculus) with a grade of C or better or equivalent skills as measured by the Math Level 4 Exam and a course equivalent to Mathematics 170.					
61805	7:00a-9:30a	Tu Th	McKowan-Bourguignon L	SAC H-104	Full Semester
61812	9:15a-11:45a	MW	Mc Clure C	SAC H-104	Full Semester
61815	2:15p-4:45p	Tu Th	Cedeno J	SAC H-104	Full Semester
61813	2:15p-4:45p	MW	Kashi M	SAC H-104	Full Semester
CAI 61808	5:00p-7:30p	Tu Th	Cedeno J	SAC H-104	Full Semester

<b>MATHEMATICS 185, ANALYTIC GEOMETRY AND CALCULUS</b> <b>4 UNITS</b>					
<i>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.</i>					
Prerequisite: Mathematics 180 or 180H, first semester calculus, with a grade of C or better.					
61841	3:45p-6:15p	Tu Th	Sill K	SAC H-109	Full Semester
61842	7:15p-9:45p	MW	Kashi M	SAC H-104	Full Semester

<b>MATHEMATICS 219, STATISTICS AND PROBABILITY</b> <b>4 UNITS</b>					
<i>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. (Same as Social Science 219.)</i>					
Prerequisite: Mathematics 080 or 081 with a grade of C or better or placement into Mathematics 219 on the Mathematics Level 3 placement Exam AND a course equivalent to Mathematics 080 or 081.					
CAI 61845	7:30a-10:00a	MW	Vu H	SAC H-108	Full Semester
W 61870	8:00a-1:20p	Sa	Bui M	SAC A-215	Full Semester
CAI 61860	9:15a-11:45a	Tu Th	Zarske J	SAC H-108	Full Semester
CAI 61855	1:00p-3:30p	MW	Anthony M	SAC H-108	Full Semester
CAI 61858	2:15p-4:45p	Tu Th	Anthony M	SAC H-108	Full Semester
CAI 61867	5:00p-7:30p	MW	Bowers C	SAC H-108	Full Semester
CAI 61853	7:15p-9:45p	Tu Th	Nguyen D	SAC H-108	Full Semester
62224	7:40p-10:10p	MW	Ortiz F	SAC H-108	Full Semester

<b>MATHEMATICS 219H, HONORS STATISTICS AND PROBABILITY</b> <b>4 UNITS</b>					
<i>Enhanced format for the beginning course in statistics and probability, using a seminar approach and computers and individual research, and presentations. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics, with applications designed around the individual interests of students. (Same as Social Science 219H.)</i>					
Prerequisite: Mathematics 080 or 081 with a grade of C or better (or placement into Mathematics 219 on the Mathematics Level 3 placement exam AND a course equivalent to Mathematics 080 or 081) AND a high school or college GPA of 3.0 or higher.					
CAI 61873	1:00p-3:30p	Tu Th	Mc Clure C	SAC A-215	Full Semester

<b>MATHEMATICS 280, INTERMEDIATE CALCULUS</b> <b>4 UNITS</b>					
<i>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.</i>					
Prerequisite: Mathematics 185, second semester calculus, with a grade of C or better.					
61875	12:00p-2:05p	Tu Th	Sill K	SAC H-104	Full Semester

## MEDICAL ASSISTANT

<b>MEDICAL ASSISTANT 001, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL</b> <b>1 - 4 UNITS</b>					
<i>Supervised paid or volunteer experience in student's major including new or expanded responsibilities. Units are earned based on the number of hours worked per semester: 75-149 hours = 1 unit; 150-224 hours = 2 units; 225-299 hours = 3 units and 300-360 hours = 4 units. May be repeated. grade: Pass/No Pass only.</i>					
60619	5:00p-6:05p	Tu	Seitz C	SAC R-303-1	Full Semester
Section 60619 meets 8/28, 9/4, 9/11, 12/4 from 5:00p-6:05p in SAC, R-303-1. Student arranges work experience placement. Number of units based on number of hours; to be arranged. Healthcare experience is required. MA 051A completion is needed prior to registration.					

<b>MEDICAL ASSISTANT 020, BLOODBORNE AND AIRBORNE PATHOGEN STANDARDS</b> <b>0.5 UNIT</b>					
<i>Presentation of California Occupational Safety and Health Act (Cal-OSHA) Bloodborne and Airborne Pathogen Standards for occupational at-risk exposure to hepatitis, HIV-AIDS and Tuberculosis including compliance requirements, exposure control measures, exposure determination, protective equipment, and post exposure practices.</i>					
60620	8:00a-12:00p	F	Emley C	SAC R-307	09/21-09/21
	1:00p-5:10p	F	Emley C	SAC R-307	

<b>MEDICAL ASSISTANT 051A, BEGINNING MEDICAL TERMINOLOGY</b> <b>3 UNITS</b>					
<i>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.</i>					
60621	3:00p-6:10p	Tu	Emley C	SAC A-210	Full Semester
60622	5:30p-8:40p	W	Emley C	SAC R-126	Full Semester

## FIRST CLASS MEETING

Make sure you attend the first class meeting!

Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

## MEDICAL ASSISTANT PROGRAM



Certificate Program (15 units) Required Courses:  
 MA 051A, MA 051B, MA 053, MA 054, MA 055  
 (Electives: MA 001, MA 020, MA 056)

### MEDICAL ASSISTANT 051B, ADVANCED MEDICAL TERMINOLOGY 3 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.

Prerequisite: Medical Assistant 051A.

60624	1:30p-4:40p	Th	Emley C	SAC R-128	Full Semester
60623	2:00p-5:10p	M	Emley C	SAC A-210	Full Semester

### MEDICAL ASSISTANT 053, MEDICAL ASSISTANT - ADMINISTRATIVE FRONT OFFICE 3 UNITS

Medical front office training including the role, responsibilities, professionalism, medical ethics and laws, medical records, filing, billing and collection, banking, bookkeeping, reception, telephone techniques, oral and written communication, resume and job seeking skills. Also includes a unit on office first aid and life threatening illnesses.

60625	12:30p-3:40p	W	Seitz C	SAC D-105	Full Semester
-------	--------------	---	---------	-----------	---------------

### MEDICAL ASSISTANT 054, MEDICAL INSURANCE AND BILLING FORMS 3 UNITS

Instruction in the rules, regulations, and completion of medical insurance forms for Medicare, Medi-Cal, Tricare, MediMedi, State Disability, Worker's Compensation and private commercial insurance carriers. Includes legal and ethical guidelines, and instruction in procedure coding using current procedural terminology and ICD-9-CM.

60626	6:30p-9:40p	M	Randles D	SAC R-303-1	Full Semester
-------	-------------	---	-----------	-------------	---------------

### MEDICAL ASSISTANT 055, MEDICAL ASSISTANT - CLINICAL BACK OFFICE 3 UNITS

Medical back office with emphasis on asepsis, sterilization, gloving and ungloving, assisting physician with exams and minor office surgical procedures, vital signs, wound care, dressings, bandaging, specimen collections, medications and injection techniques.

60627	5:45p-8:55p	Th	Emley C	SAC R-307	Full Semester
-------	-------------	----	---------	-----------	---------------

## MUSIC

### MUSIC 009, MUSIC LABORATORY 0.5 UNIT

Sign in/out supervised work on instrumental, vocal, music theory, or digital music assignments and projects. Completion of new assignments each semester. Accumulation of 24 hours earns 0.5 unit. Requires concurrent enrollment in a music course.

Prerequisite: Concurrent enrollment in a music course.

Open Entry / Open Exit

61883	TBA		Blake P	SAC N-119	Full Semester
-------	-----	--	---------	-----------	---------------

### MUSIC 101, MUSIC APPRECIATION 3 UNITS

Designed to increase awareness and appreciation of music from the European classical tradition in relation to general culture and history. Develops basic understanding of musical elements and deepens student's experience of music. Recommended for non-music majors.

62606			Jones E	SAC WEB	Full Semester
-------	--	--	---------	---------	---------------

Section 62606 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

Email instructor first week of class. (jones\_elliott@sac.edu).

61884	9:30a-10:55a	MW	Kim J	SAC N-117	Full Semester
61885	9:30a-10:55a	TuTh	Jin J	SAC C-104	Full Semester
61886	11:00a-12:25p	MW	Jin J	SAC C-104	Full Semester
61887	7:00p-10:10p	Tu	Hung G	SAC C-104	Full Semester

### MUSIC 103, JAZZ IN AMERICA 3 UNITS

A historical survey of the development and evolution of jazz in America from its earliest roots in African and European music. The study will also include the social and economic conditions which influenced this art form.

61888	9:30a-10:55a	MW	Kehlenbach E	SAC N-114	Full Semester
61889	9:30a-10:55a	TuTh	Lopez D	SAC N-114	Full Semester

U-LINK-Section 61889 is linked to Counseling 107, The Freshman Experience, Section 59461. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information

61890	7:00p-10:10p	Th	Lopez D	SAC C-104	Full Semester
-------	--------------	----	---------	-----------	---------------

### MUSIC 104, ROCK MUSIC HISTORY AND APPRECIATION 3 UNITS

Historical survey of rock music from its beginnings in the 50's to the present. Major rock and pop styles will be discussed. Personalities and musical styles will be related to the social, political, and cultural context of the time.

61897	7:00p-10:10p	M	Bush N	SAC D-105	Full Semester
-------	--------------	---	--------	-----------	---------------

### MUSIC 109, READING AND MAKING MUSIC 2 UNITS

Introduction to music reading. Practical experience in learning how to perform melodies, rhythms and simple chords from a written score. Recommended for beginning instrumental and voice students, and those preparing for music theory.

61899	4:50p-6:55p	M	Jin J	SAC N-106	Full Semester
-------	-------------	---	-------	-----------	---------------

### MUSIC 110, FUNDAMENTALS OF MUSIC 3 UNITS

Music is explored through lecture, written exercises, melodic and rhythmic performance, and composition. Stresses practical skills necessary for performance. Prepares students for the study of harmony and arranging by examining scales, intervals, and chords. Ability to read music in at least one clef is advised.

61900	11:00a-12:25p	MW	Blake P	SAC N-117	Full Semester
-------	---------------	----	---------	-----------	---------------

### MUSIC 111, BASIC THEORY AND EAR TRAINING 4 UNITS

Beginning level computer assisted course in music theory. Includes detailed study of rhythm, notation, scales, intervals, beginning harmony and musicianship skills. Ability to read music in at least one clef recommended. Required of music majors; open to non-majors.

61903	11:00a-12:55p	MW	Blake P	SAC N-117	Full Semester
-------	---------------	----	---------	-----------	---------------

1 hour per week arranged

61905	6:00p-10:15p	Th	Marr J	SAC N-114	Full Semester
-------	--------------	----	--------	-----------	---------------

1 hour per week arranged

### MUSIC 113A, BASIC MUSICIANSHIP SKILLS 1 UNIT

Ear training and in-class sight-singing preparation for students not ready for Music 114A. Arranged hours in Music Lab for computer programs and ear training CD's. Basic knowledge of scales and intervals recommended.

61912	5:00p-5:55p	Th	Marr J	SAC N-106	Full Semester
-------	-------------	----	--------	-----------	---------------

1 hour per week arranged

### MUSIC 113B, MUSICIANSHIP SKILLS 1 UNIT

Continued ear training and in-class sight-singing preparation for students not ready for Music 114A. Arranged hours in Music Lab for computer programs and ear training CD's. Basic knowledge of scales and intervals recommended.

Prerequisite: Music 113A.

61918	5:00p-5:55p	Th	Marr J	SAC N-106	Full Semester
-------	-------------	----	--------	-----------	---------------

1 hour per week arranged

### MUSIC 114A, MUSICIANSHIP 1 UNIT

Competency-based sight-singing, rhythm, ear training, dictation (melodic/harmonic) for performers and transferring music majors. Arranged hours in Music Lab for computer programs and aural exercises.

Prerequisite: Music 112.

61920	6:00p-6:55p	Th	Kehlenbach E	SAC N-117	Full Semester
-------	-------------	----	--------------	-----------	---------------

2 hours per week arranged

### MUSIC 114B, MUSICIANSHIP 1 UNIT

Competency-based sight-singing, rhythm, ear training, dictation (melodic/harmonic) for performers and transferring music majors. Arranged hours in Music Lab for computer programs and aural exercises. B semester uses more advanced materials.

Prerequisite: Music 114A.

61922	6:00p-6:55p	Th	Kehlenbach E	SAC N-117	Full Semester
-------	-------------	----	--------------	-----------	---------------

2 hours per week arranged

### MUSIC 115A, APPLIED MUSIC (PRIVATE INSTRUCTION) 1 UNIT

Weekly lesson in voice, piano, band/orchestra instrument or classical guitar. Five hours on-campus practice per week and attendance at weekly recital required. B, C, and D semesters require study of more advanced repertoire. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

Prerequisite: Audition and concurrent enrollment in either a music ensemble or music theory course.

Open Entry / Open Exit

62024	TBA		Jones J	SAC N-117	Full Semester
-------	-----	--	---------	-----------	---------------

### MUSIC 115B, APPLIED MUSIC (PRIVATE INSTRUCTION) 1 UNIT

Weekly lesson in voice, piano, band/orchestra instrument or classical guitar covering more advanced repertoire than Music 115A. Five hours on-campus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.

Prerequisite: Audition and concurrent enrollment in either a music ensemble or music theory course.

Open Entry / Open Exit

62025	TBA		Jones J	SAC N-117	Full Semester
-------	-----	--	---------	-----------	---------------

**Online Counseling Now Available!**  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>MUSIC 115C, APPLIED MUSIC (PRIVATE INSTRUCTION) 1 UNIT</b>					
<i>Weekly lesson in voice, piano, band/orchestra instrument or classical guitar. Must attend weekly recital and practice 5 hours per week in Music Building. Requires audition and concurrent enrollment in either a music ensemble or music theory course.</i>					
Prerequisite: Audition and concurrent enrollment in either a music ensemble or music theory course.					
Open Entry / Open Exit					
62026	TBA		Jones J	SAC N-117	Full Semester
<b>MUSIC 115D, APPLIED MUSIC (PRIVATE INSTRUCTION) 1 UNIT</b>					
<i>Weekly lesson in voice, piano, band/orchestra instrument or classical guitar covering more advanced repertoire than Music 115C. Five hours oncampus practice per week and attendance at weekly recital required. No more than a total of 4 semesters of credit may be earned in a combination of Music 115ABCD and 215. Requires audition and concurrent enrollment in either a music ensemble or music theory course.</i>					
Prerequisite: Audition and concurrent enrollment in either a music ensemble or music theory course.					
Open Entry / Open Exit					
62035	TBA		Jones J	SAC N-117	Full Semester
<b>MUSIC 121, BEGINNING VOICE 1 UNIT</b>					
<i>Group instruction for beginners emphasizing basic principles of solo and choral voice production, diction, breath control, and posture. Practice outside of class required. Recommended for non music majors and for music majors not studying privately.</i>					
62310	1:00p-1:55p	M	Jones E	SAC N-117	Full Semester
	1:00p-1:55p	W	Jones E	SAC N-117	
62311	5:00p-5:55p	Tu	Jones E	SAC N-117	Full Semester
	6:00p-6:55p	Tu	Jones E	SAC N-117	
<b>MUSIC 122, INTERMEDIATE VOICE 1 UNIT</b>					
<i>Group instruction designed to develop intermediate principles of solo and choral voice production, diction, breath control and posture. Vocal analysis of each student emphasized. Practice outside of class required. Song literature matched to student level. Recommended for non music majors and for music majors not studying privately.</i>					
Prerequisite: Music 121.					
62340	1:00p-1:55p	M	Jones E	SAC N-117	Full Semester
	1:00p-1:55p	W	Jones E	SAC N-117	
62341	5:00p-5:55p	Tu	Jones E	SAC N-117	Full Semester
	6:00p-6:55p	Tu	Jones E	SAC N-117	
<b>MUSIC 123, ADVANCED VOICE 1 UNIT</b>					
<i>Advanced principles of solo and choral vocal production. Includes vocal exercises and song literature in English and other languages. Practice outside of class required. Recommended for non music majors and for music majors not studying privately.</i>					
Prerequisite: Music 122.					
62343	1:00p-1:55p	M	Jones E	SAC N-117	Full Semester
	1:00p-1:55p	W	Jones E	SAC N-117	
62348	5:00p-5:55p	Tu	Jones E	SAC N-117	Full Semester
	6:00p-6:55p	Tu	Jones E	SAC N-117	
<b>MUSIC 124, ADVANCED VOCAL PRODUCTION AND REPERTOIRE 1 UNIT</b>					
<i>Continuation of group instruction for students who have completed three semesters of voice and can perform at an advanced level. Further develops advanced vocal and choral production in a variety of styles and techniques. Instruction includes advanced English and foreign language song literature. Practice outside of class required. Designed for both music majors and non music majors.</i>					
Prerequisite: Music 123.					
62372	1:00p-1:55p	M	Jones E	SAC N-117	Full Semester
	1:00p-1:55p	W	Jones E	SAC N-117	
62369	5:00p-5:55p	Tu	Jones E	SAC N-117	Full Semester
	6:00p-6:55p	Tu	Jones E	SAC N-117	
<b>MUSIC 135, CONCERT CHORALE 1 UNIT</b>					
<i>Rehearsal and performance of standard and current choral repertoire. Designed to train students in mixed ensemble singing. Public performance emphasized. Each semester requires performance of a variety of new and different repertoire. Designed for students who have basic singing skills.</i>					
62413	2:00p-3:25p	M W	Jones E	SAC N-117	Full Semester
			1.5 hours per week arranged		
62421	7:00p-10:10p	Tu	Jones E	SAC N-117	Full Semester
			1.5 hours per week arranged		
<b>MUSIC 136, COLLEGIATE CHOIR 1 UNIT</b>					
<i>Mixed chorus which rehearses and performs a variety of music, including classical, folk tunes, and songs from Broadway musicals. Each semester requires performance of new repertoire.</i>					
62425	2:00p-3:25p	M W	Jones E	SAC N-117	Full Semester
62427	7:00p-10:10p	Tu	Jones E	SAC N-117	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

## Instrumental and Vocal Ensembles at SAC

**Concert Choir, Music 135**  
**Chamber Choir, Music 137**  
**Concert Band, Music 171**  
**The Jazz Ensemble, Music 175**  
**'Don' Mariachi, Music 178**  
**Chamber Orchestra, Music 181**

For more information on instrumental classes contact David Lopez, 714-564-5652.

<b>MUSIC 137, CHAMBER CHOIR 1 UNIT</b>					
<i>Rehearsal and performance of chamber choir repertoire from various historical periods. Course designed for festival and concert performance. Each semester requires the performance of new repertoire.</i>					
Prerequisite: Audition.					
62429	3:30p-4:50p	M W	Jones E	SAC N-117	Full Semester
			1 hour per week arranged		
<b>MUSIC 141, INSTRUMENTAL ENSEMBLES 1 UNIT</b>					
<i>Study, rehearsal, and performance of music for small commercial instrumental groups. Music literature will differ each semester. Previous instrumental performance experience recommended. Audition required.</i>					
Prerequisite: Audition.					
62431	2:45p-5:50p	Th	Viramontes E	SAC N-114	Full Semester
<b>MUSIC 142, CREATING MUSIC WITH MIDI 1 UNIT</b>					
<i>Basic techniques in creating music with computer assisted technology including MIDI sequencing, drum track programming, editing, mixdown and use of software sampler. Students learn MIDI applications through musical projects. Basic skill level on keyboard suggested.</i>					
62462	12:30p-1:35p	M W	Kehlenbach E	DMC-204	08/27-10/17
			1 hour arranged per scheduled meeting day		
<b>MUSIC 143, INTERMEDIATE TECHNIQUES OF MIDI SEQUENCING 1 UNIT</b>					
<i>Intermediate techniques of MIDI and computer sequencing including graphic editing, virtual mixing, MIDI effects and use of the sampler. Students learn MIDI applications and electronic composition through musical projects.</i>					
Prerequisite: Music 142.					
62467	12:30p-1:35p	M W	Kehlenbach E	DMC-204	10/22-12/12
			1 hour arranged per scheduled meeting day		
<b>MUSIC 144, PROJECTS IN ELECTRONIC MUSIC 1 UNIT</b>					
<i>Exploration of digital recording and MIDI concepts for commercial applications. Individual projects will improve and extend students' skills in the areas of composition, sequencing, and recording. Assignments will help prepare students for level 1 certification in Logic.</i>					
Prerequisite: Music 143 or 147.					
62473	12:30p-1:35p	M W	Kehlenbach E	DMC-204	10/22-12/12
			2 hours arranged per scheduled meeting day		
62475	1:30p-2:35p	Tu Th	Bush N	DMC-204	10/23-12/13
			2 hours arranged per scheduled meeting day		
<b>MUSIC 146, DIGITAL RECORDING STUDIO TECHNIQUES I 2 UNITS</b>					
<i>Introductory class in computer-based hard disk recording. Emphasis on digital sound manipulation, editing, mixdown, and microphone techniques.</i>					
62492	1:30p-2:55p	Tu Th	Bush N	DMC-204	08/28-10/18
			1.5 hours arranged per scheduled meeting day		
62493	6:00p-9:10p	W	Graham A	DMC-204	08/29-10/17
			3 hours arranged per scheduled meeting day		
<b>MUSIC 147, DIGITAL RECORDING STUDIO TECHNIQUES II 2 UNITS</b>					
<i>Continuation of Digital Recording Studio Techniques I. Further study of digital sound manipulation including digital effects, compression, equalization, editing on a digital mixer, live recording techniques and CD production.</i>					
Prerequisite: Music 146.					
62478	1:30p-2:55p	Tu Th	Bush N	DMC-204	10/23-12/13
			1.5 hours arranged per scheduled meeting day		

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>MUSIC 149, THE BUSINESS OF MUSIC</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>Introduction to the business and legal aspects of the music industry. This course covers current trends and issues for performing and recording careers in music. Topics include copyright, royalties, recording contracts, performing rights organizations, publishing, and publicity.</i>					
62495	5:50p-7:55p	Tu	Graham A	DMC-203	Full Semester
<b>MUSIC 161, CLASS PIANO I</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Group instruction for beginners emphasizing note reading, basic keyboard skills, chord patterns and sight reading. Practice outside of class required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.</i>					
62527	12:30p-1:25p	Tu	Jin J	SAC N-106	Full Semester
	12:30p-1:25p	Th	Jin J	SAC N-106	
62543	1:30p-2:25p	M	Blake P	SAC N-106	Full Semester
	1:30p-2:25p	W	Blake P	SAC N-106	
62544	5:50p-6:50p	Tu	Unal F	SAC N-106	Full Semester
	7:00p-7:55p	Tu	Unal F	SAC N-106	
62546	6:00p-6:55p	Th	Kim J	SAC N-106	Full Semester
	7:00p-8:05p	Th	Kim J	SAC N-106	
62547	7:00p-7:55p	M	Jin J	SAC N-106	Full Semester
	8:00p-9:05p	M	Jin J	SAC N-106	
<b>MUSIC 162, CLASS PIANO II</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Group instruction for those possessing basic piano skills, but still classified as beginners. Emphasizes note reading, keyboard technique, chord patterns, sightreading. Daily practice required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.</i>					
Prerequisite: Music 061 or 161.					
62551	11:00a-11:55a	Tu	Jin J	SAC N-106	Full Semester
	11:00a-11:55a	Th	Jin J	SAC N-106	
62554	6:00p-6:55p	W	Blake P	SAC N-106	Full Semester
	7:00p-8:05p	W	Blake P	SAC N-106	
<b>MUSIC 163, CLASS PIANO III</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Instruction for students who have completed two semesters of piano and are ready for the intermediate level. Emphasizes building technique, sight reading and performance. Daily practice required. Practice pianos available on campus.</i>					
Prerequisite: Music 162.					
62556	11:30a-12:25p	Tu	Jin J	SAC N-106	Full Semester
	11:30a-12:25p	Th	Jin J	SAC N-106	
62557	7:00p-7:55p	W	Blake P	SAC N-106	Full Semester
	8:00p-9:05p	W	Blake P	SAC N-106	
<b>MUSIC 164A, INTERMEDIATE PIANO REPERTOIRE I</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Instruction for intermediate level students. Emphasizes solo material, technique, sight reading, interpretation, and performance. Daily practice required. Practice pianos available on campus.</i>					
Prerequisite: Music 163.					
62558	11:30a-12:25p	Tu	Jin J	SAC N-106	Full Semester
	11:30a-12:25p	Th	Jin J	SAC N-106	
62559	7:00p-7:55p	W	Blake P	SAC N-106	Full Semester
	8:00p-9:05p	W	Blake P	SAC N-106	
<b>MUSIC 164B, INTERMEDIATE PIANO REPERTOIRE II</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Continuation of instruction for advanced intermediate level students. Emphasizes solo material, technique, sight reading, and performance. Daily practice required. Practice pianos available on campus.</i>					
Prerequisite: Music 164A.					
63307	11:30a-12:25p	Tu	Jin J	SAC N-106	Full Semester
	11:30a-12:25p	Th	Jin J	SAC N-106	
62561	7:00p-7:55p	W	Blake P	SAC N-106	Full Semester
	8:00p-9:05p	W	Blake P	SAC N-106	
<b>MUSIC 168, STYLISTIC INTERPRETATION OF PIANO REPERTOIRE</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Style characteristics of Baroque, Classical, Romantic and 20th Century music studied through representative piano compositions. Students learn to play expressively within currently accepted performance practices for each period. Not for beginners.</i>					
Prerequisite: Music 164B.					
62562	7:00p-7:55p	W	Blake P	SAC N-106	Full Semester
	8:00p-9:05p	W	Blake P	SAC N-106	
<b>MUSIC 171, CONCERT BAND</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Study and rehearsal of band music for concert performances on campus and in the community. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.</i>					
62563	7:00p-10:20p	W	Lopez D	SAC N-114	09/05-12/12
<b>MUSIC 175, JAZZ ENSEMBLE</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Study, rehearsal, and performance of contemporary jazz/rock music for the jazz ensemble with help in developing techniques of improvisation. Each semester requires performance of new and different jazz repertoire. Designed for students with basic performance skills.</i>					
62565	7:00p-10:25p	M	Lopez D	SAC N-114	09/10-12/10

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>MUSIC 176, JAZZ BAND</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Advanced study, rehearsal, and performance of standard and contemporary jazz literature. Includes advanced techniques in improvisation. Each semester requires performance of new and different repertoire. Designed for students with basic performance skills.</i>					
62569	7:00p-10:10p	M	Lopez D	SAC N-114	Full Semester
<b>MUSIC 178, MARIACHI</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Mixed ensemble for the study, rehearsal and performance of Mariachi repertoire with an emphasis on the music from Jalisco. Each semester requires the performance different repertoire. Designed for students who have basic performance skills.</i>					
62448	2:45p-5:50p	Th	Viramontes E	SAC N-114	Full Semester
<b>MUSIC 179, TECHNIQUE STUDIES FOR PIANIST</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Group study of scales, arpeggios, and exercises to increase finger agility and keyboard control. Suggested concurrent enrollment with Music 164AB or applied piano studies in Music 115. Not for beginners.</i>					
Prerequisite: Music 163.					
62571	5:50p-6:50p	Tu	Unal F	SAC N-106	Full Semester
	7:00p-7:55p	Tu	Unal F	SAC N-106	
<b>MUSIC 180, STRING METHODS</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Instruction on violin, viola, cello or string bass in an ensemble setting at the beginning and intermediate levels. Fundamental skills developed through rehearsal and in-class performance of technical exercises and beginning orchestral repertoire.</i>					
62573	7:00p-8:05p	Tu	Lopez D	SAC N-114	09/04-12/16
	8:05p-8:55p	Tu	Lopez D	SAC N-114	
<b>MUSIC 181, CHAMBER ORCHESTRA</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Rehearsal and performance of standard repertoire for chamber orchestra. Each semester requires the performance of a variety of different repertoire. Designed for students who have basic performance skills.</i>					
62575	7:00p-10:10p	Tu	Lopez D	SAC N-114	09/04-12/11
<b>MUSIC 185, BEGINNING CLASSICAL GUITAR</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Basic instruction in guitar technique and music nomenclature as related to performance of entry level solo and ensemble repertoire. Student must furnish nylon string guitar.</i>					
W 62588	10:00a-10:55a	Sa	Adele D	SAC N-114	Full Semester
	11:00a-12:05p	Sa	Adele D	SAC N-114	
62600	6:00p-6:55p	M	Giralдин M	SAC N-117	Full Semester
	7:00p-7:55p	M	Giralдин M	SAC N-117	
<b>MUSIC 186, INTERMEDIATE CLASSICAL GUITAR</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Intermediate instruction in solo, duo and trio repertoire. Emphasizes technique studies and performance styles of 18th century music. Student must provide nylon string guitar.</i>					
Prerequisite: Music 185.					
62601	8:00p-8:55p	M	Giralдин M	SAC N-117	Full Semester
	9:00p-10:05p	M	Giralдин M	SAC N-117	
<b>MUSIC 211, MUSIC HISTORY AND LITERATURE</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Survey of important European trends in musical style and form from the Middle Ages to the 20th century. Required for music majors. Open to non-music majors. Recommended preparation: Music 112</i>					
62604			Jones E	SAC WEB	Full Semester
Section 62604 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class. (jones_elliott@sac.edu).					
<b>MUSIC 213, THEORY 3</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Continuation of diatonic harmony from Music 112. Chromatic harmony introduced. Includes non-dominant seventh chords, secondary dominants, modulation, and altered chords. Keyboard harmony. Concurrent enrollment in Music 114A recommended. Required for music majors; open to non majors.</i>					
Prerequisite: Music 112.					
62611	7:00p-10:10p	Th	Kehlenbach E	SAC N-117	Full Semester
<b>MUSIC 215A, APPLIED MUSIC (ADVANCED PRIVATE INSTRUCTION)</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Advanced lessons in classical music in voice, piano, band/orchestral instrument or guitar. Weekly requirements include, five hours on-campus practice per week, weekly lessons and weekly recital attendance.</i>					
Prerequisite: MUS 115D and audition and concurrent enrollment in a music ensemble or music theory course.					
62619	TBA		Lopez D	SAC N-117	Full Semester
<b>MUSIC 241, CHAMBER MUSIC ENSEMBLE</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Rehearsal and performance of music for small groups of strings, woodwinds, brass, percussion, and keyboard instruments in varying combinations. Each semester requires performance of new repertoire. Previous instrumental performance experience recommended. Audition required.</i>					
Prerequisite: Audition.					
62621	3:30p-4:50p	M W	Jones E	SAC N-117	Full Semester
62622	7:00p-10:10p	Tu	Lopez D	SAC N-114	Full Semester
62623	7:00p-10:10p	Tu	Jones E	SAC N-117	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>MUSIC 271, SYMPHONIC BAND</b>					<b>1 UNIT</b>
<i>The rehearsal and performance of band music. Preparation of standard band repertoire for performances in the community. Each semester requires performance of a variety of new and different repertoire. Designed for students with intermediate or advanced performance skills.</i>					
62624	7:00p-10:20p	W	Lopez D	SAC N-114	09/05-12/12

## NURSING-REGISTERED

<b>NURSING-REGISTERED 045, CARDIOPULMONARY RESUSCITATION RECERTIFICATION</b>					<b>0.2 UNIT</b>
<i>To provide updated information and skills training in Basic Life Support for healthcare providers.</i>					
Prerequisite: Concurrent enrollment in Registered Nursing, EMT, or RN Re-entry.					
Open Entry / Open Exit					
60614	TBA	F	Steckler M	SAC R-203	Full Semester
Concurrent enrollment in Registered Nursing, EMT, Role Transition, or RN Re-entry. 8 hours to be arranged.					

<b>NURSING-REGISTERED 101, NURSING PROCESS: NON-CRITICAL ADULTS</b>					<b>4.5 UNITS</b>
<i>Emphasizes nursing process in the care of adult and geriatric patients of diverse cultures with non-critical biological and psychosocial system needs deficits.</i>					
Prerequisite: Biology 239, Biology 249, Biology 139 or 229, and English 101, English 101H. Concurrent enrollment in Nursing-Registered 101L.					
60583	10:45a-1:00p	W	Rehm A	SAC R-114	Full Semester
	1:00p-3:20p	Th	Rehm A	SAC B-4	
ALL Registered Nursing 101 students are to pay a Kaplan testing fee. Directions for paying the fee will be explained at the first class meeting.					
60584	5:00p-8:35p	Th	Paunovic M	SAC SJH	07/26-12/13
ALL Registered Nursing 101 students are to pay a Kaplan testing fee. Directions for paying the fee will be explained at the first class meeting.					

<b>NURSING-REGISTERED 101L, NURSING ACTIONS: NON-CRITICAL ADULTS</b>					<b>5 UNITS</b>
<i>Clinical experience emphasizing nursing process for adults and geriatric patients of diverse cultures with non-critical biological system needs. Focuses on psychomotor skills and application. Applies concepts to multicultural groups in acute and other community based settings.</i>					
Prerequisite: Biology 239, Biology 249, Biology 139 or 229, and English 101, English 101H. Concurrent enrollment in Nursing-Registered 101.					
60589			Rehm A	NNR	07/28-12/01
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged. Only students enrolled in the Extended Campus Program may register for sections 60588 or 60589.					
60588			Paunovic M	CAREHOUS	07/28-12/01
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged. Only students enrolled in the Extended Campus Program may register for sections 60588 or 60589.					
60585			Schroeder B	CAREHOUS	08/27-12/04
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged. Only students enrolled in the Extended Campus Program may register for sections 60588 or 60589.					
60586			Rehm A	NNR	08/27-12/04
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged. Only students enrolled in the Extended Campus Program may register for sections 60588 or 60589.					
60587			Coliflores R	KINDRED	08/27-12/04
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged. Only students enrolled in the Extended Campus Program may register for sections 60588 or 60589.					

<b>NURSING-REGISTERED 102, NURSING PROCESS: WOMEN, PARENTS, AND CHILDREN</b>					<b>4 UNITS</b>
<i>Emphasizes nursing process of women, parents and children of diverse cultures with biological and psychosocial system needs. Examines community-based nursing concepts. Focuses on growth and development across the life phases, with emphasis on family centered care. Principles of I.V. therapy will also be emphasized.</i>					
Prerequisite: Nursing-Registered 101, 101L, 103, 112. Concurrent enrollment in Nursing-Registered 102L.					
60590	11:45a-1:50p	W	Ettinger B	SAC R-126	Full Semester
	2:30p-4:35p	Th	Bass S	SAC R-307	
ALL Registered Nursing 102 students are to pay a Kaplan testing fee. Directions for paying the fee will be explained at the first class meeting.					

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>NURSING-REGISTERED 102L, NURSING ACTIONS: WOMEN, PARENTS AND CHILDREN</b>					<b>4.6 UNITS</b>
<i>Clinical laboratory experience emphasizing the nursing process in the care of women, parents and children of diverse cultures with biological and psychosocial system need deficits. Application of the nursing process in acute care and community-based settings. Focus is on the application of the biological and psychosocial theoretical concepts in clinical practice.</i>					
Prerequisite: Nursing-Registered 101, 101L, 103, 112; concurrent enrollment in Nursing-Registered 102.					

60591			Bass S	SJH	08/27-12/10
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 220 clinical hours to be arranged.					
60593			Giroux R	WMC	08/27-12/11
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 220 clinical hours to be arranged.					
60592			Ettinger B	FV	08/27-12/10
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 220 clinical hours to be arranged.					

<b>NURSING-REGISTERED 103, PHARMACOLOGICAL CONCEPTS OF NURSING</b>					<b>3 UNITS</b>
<i>Introduction to pharmacology, dosage calculations, drug classifications and application of nursing process to drug administration. Completion required prior to entry into Nursing-Registered 102/102L.</i>					
Prerequisite: English 101 or English 101H, Biology 239, Biology 249, Biology 139 or 229.					
60611	1:30p-4:40p	W	Paunovic M	SAC R-124	Full Semester

<b>NURSING-REGISTERED 106, HEALTH SCIENCES SKILLS LABORATORY - FIRST YEAR</b>					<b>0.5 UNIT</b>
<i>Supervised use of skills lab to assist the student in development of clinical competency and mastery of psychomotor skills for the first year student.</i>					
Prerequisite: Enrollment in the Registered Nursing Program, EMT, any N.C.E. courses, or RN re-entry.					
Open Entry / Open Exit					
60607	TBA		M Tu W Th F Sa	Steckler M	SAC R-203 Full Semester
24 hours to be arranged.					
60608	12:00p-5:00p	Th		Steckler M	SAC SJH 08/02-12/06
24 hours to be arranged.					

<b>NURSING-REGISTERED 112, NURSING CONCEPTS</b>					<b>1.5 UNITS</b>
<i>Emphasizes development of the registered nurse including role, communication, nursing process, legal and ethical concepts, dimensional analysis, test taking strategies, the Santa Ana Conceptual Framework for Nursing, nutrition and medical terminology. Completion required prior to entry into Nursing-Registered 102/102L.</i>					
Prerequisite: English 101 or Eng 101H, Biology 149 or Biology 239, Biology 249, Biology 139 or 229.					
60612	10:20a-11:45a	Th	Coliflores R	SAC R-318	Full Semester

<b>NURSING-REGISTERED 200, ROLE TRANSITION</b>					<b>2 UNITS</b>
<i>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.</i>					
Prerequisite: Acceptance into the Nursing Program.					
60613	4:00p-6:05p	M W	Horgan L	SAC R-114	10/22-12/12
Letter of Notification from the Nursing Program is required to register for NRN-200, section 60613.					

<b>NURSING-REGISTERED 201, NURSING PROCESS: CRITICAL BIOLOGICAL &amp; PSYCHOSOCIAL SYSTEM NEEDS I</b>					<b>4 UNITS</b>
<i>Emphasizes nursing process of adult and geriatric patients of diverse cultures with critical biological and psychosocial system needs deficits.</i>					
Prerequisite: Nursing-Registered 102 & 102L. Concurrent enrollment in Nursing-Registered 101L.					
60594	1:30p-3:35p	W	Stucken R	SAC R-114	Full Semester
	1:15p-3:20p	Th	Nick J	SAC A-130	
ALL Registered Nursing 201 students are to pay a Kaplan testing fee. Directions for paying the fee will be explained at the first class meeting.					
60595	5:00p-8:10p	Th	Nick J	SAC SJH	07/26-12/13
ALL Registered Nursing 201 students are to pay a Kaplan testing fee. Directions for paying the fee will be explained at the first class meeting.					

<b>NURSING-REGISTERED 201L, NURSE ACTIONS: CRITICAL BIOLOGICAL AND PSYCHOSOCIAL SYSTEM NEEDS I</b>					<b>5 UNITS</b>
<i>Application of the nursing process in caring for adults and geriatric patients of diverse cultures with critical biological and psychosocial system needs in institutional and community settings. Application of psychomotor skills and analysis of concepts.</i>					
Prerequisite: Nursing-Registered 102, 102L and concurrent enrollment in Nursing-Registered 201.					
60596			Nick J	UCI	08/27-12/10
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged.					
60598			Horgan L	SJH	08/27-12/11
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged.					

## FIRST CLASS MEETING

Make sure you attend the first class meeting!

Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

W 60600		Sa Su	Stucken R	COL	07/28-12/09
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged. Only students registered in NRN-201 EXTENDED CAMPUS PROGRAM (60595) can register for 60600 or 60601.					
W 60601		Sa Su	Horgan L	SJH	07/28-12/09
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged. Only students registered in NRN-201 EXTENDED CAMPUS PROGRAM (60595) can register for 60600 or 60601.					
60597		M	Massey B	COL	08/27-12/10
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 240 clinical hours to be arranged.					

**NURSING-REGISTERED 202, NURSING PROCESS: CRITICAL BIOLOGICAL AND PSYCHOSOCIAL SYSTEM NEEDS II 4 UNITS**

*Emphasizes nursing process for adult and geriatric patients of diverse cultures with critical psychosocial and biological system needs with a focus on R.N. role in leadership, decision-making and patient teaching.*

Prerequisite: Nursing-Registered 201, 201L; Concurrent enrollment in Nursing-Registered 202L.

60602	1:30p-4:25p	M	Mixer D	SAC R-126	08/27-11/15
	1:10p-4:05p	Th	Hirsch R	SAC R-114	

ALL Registered Nursing 202 students are to pay a Kaplan testing fee. Directions for paying the fee will be explained at the first class meeting.

**NURSING-REGISTERED 202L, NURSING ACTION: CRITICAL BIOLOGICAL AND PSYCHOSOCIAL SYSTEM NEEDS II 5.4 UNITS**

*Application of leadership theory and nursing process to adult and geriatric patients of diverse cultures with critical psychosocial and biological system needs deficits. Application of cognitive content and practice of psychomotor skills. Preceptorship time and location to be arranged.*

Prerequisite: Nursing-Registered 201, 201L; concurrent enrollment in Nursing-Registered 202.

W 60603		Sa	Naraghi A	UCI	08/28-12/13
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 256 clinical hours to be arranged.					
60604		W	Hirsch R	MH	08/28-12/13
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 256 clinical hours to be arranged.					
60605		Tu	Mixer D	SJH	08/28-12/13
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 256 clinical hours to be arranged.					
60606		Tu	Haglund B	WMC	08/28-12/13
ALL Registered Nursing students must obtain full scheduling information from the Nursing Office, SAC R-213. 256 clinical hours to be arranged.					

**NURSING-REGISTERED 206, HEALTH SCIENCES SKILLS LABORATORY - SECOND YEAR 0.5 UNIT**

*Supervised use of skills lab to assist the student in development of clinical competency and mastery of psychomotor skills for the second year student.*

Prerequisite: Enrollment in the Registered Nursing Program, EMT, any N.C.E. courses, or RN re-entry.

Open Entry / Open Exit

60609	TBA	M Tu W Th F Sa	Steckler M	SAC R-203	Full Semester
24 hours to be arranged.					
60610	12:00p-5:00p	Th	Steckler M	SAC SJH	08/02-12/06
24 hours to be arranged.					

## NUTRITION & FOOD

**NUTRITION & FOOD 065, CONTEMPORARY NUTRITION 3 UNITS**

*Nutrition fundamentals for health maintenance throughout the life cycles of diverse populations including chronic diseases, weight control and athletic performance; use of nutrient supplements and evaluation of information sources.*

63807	10:00a-11:25a	M W	Mathot S	SAC T-212	Full Semester
63808	6:30p-9:40p	W	Drozd A	SAC T-212	Full Semester

**NUTRITION & FOOD 115, NUTRITION 3 UNITS**

*The function and sources of nutrients and their role in health and disease are assessed within the framework of anatomy, physiology and chemistry. The course includes utilization of scientific methods to evaluate nutrition information, research and application of current nutrition issues and controversies. The students will analyze their food intake.*

63813			Higgins R	SAC WEB	Full Semester
Section 63813 combines online instruction plus mandatory on-campus orientation meeting on Wednesday, 8/29, 6:30p-8:30p, SAC I-101. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (higgins_rita@sac.edu).					
63809	10:00a-11:25a	M W	Mathot S	SAC T-212	Full Semester
63810	6:30p-9:40p	W	Drozd A	SAC T-212	Full Semester

**NUTRITION & FOOD 116, PRINCIPLES OF FOOD PREPARATION 3 UNITS**

*Basic knowledge of food science and proficiency in food preparation techniques. Emphasizes scientific basis for preparation techniques, nutritional values, safety, sanitation, and product standards.*

Prerequisite: Negative T.B. Test or chest X-ray.

63814	5:00p-10:10p	Tu	Larson J	SAC T-212	Full Semester
-------	--------------	----	----------	-----------	---------------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

## OCCUPATIONAL THERAPY ASSISTANT

**OCCUPATIONAL THERAPY ASSISTANT 100, TERMINOLOGY AND DOCUMENTATION FOR THE O.T.A. 1 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 239 and 249.

62370			Parolise M	SAC WEB	Full Semester
Section 62370 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (parolise_michelle@sac.edu).					

**OCCUPATIONAL THERAPY ASSISTANT 101, FOUNDATIONS OF OCCUPATION AND OCCUPATIONAL THERAPY 4 UNITS**

*Course defines and explores occupation as it is used to provide the foundation for study of the occupational therapy profession with an overview of past and present practice.*

62375			Reeder S	SAC WEB	Full Semester
Section 62375 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (reeder_shellie@sac.edu).					

**OCCUPATIONAL THERAPY ASSISTANT 101L, EXPLORATION OF OCCUPATION THROUGH ACTIVITY 2.5 UNITS**

*Clinical experience emphasizing the meaning and variability of occupation through analysis of occupational patterns, task analysis, opportunity to observe teaching and learning of selected populations, and practicing teaching and learning skills.*

Prerequisite: English 101 or 101H, and 3 units of Communication Studies (101 or 101H, or 102 or 140 or 145 or 152).

62500	6:00p-9:10p	M W	Staff	SAC T-210	Full Semester
Section 62500 has 2 hours arranged per week.					

**OCCUPATIONAL THERAPY ASSISTANT 102, PSYCHOSOCIAL FUNCTION AND DYSFUNCTION 4 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: OTA 101 with a minimum grade of C; OTA 101L with a minimum grade of C.

62501	9:15a-11:20a	M W	Parolise M	SAC T-210	Full Semester
-------	--------------	-----	------------	-----------	---------------

**OCCUPATIONAL THERAPY ASSISTANT 102L, PSYCHOSOCIAL COMPONENTS OF OCCUPATION 2.5 UNITS**

*This course will explore the occupational therapy assistants' role in conducting assessments and treatment protocols used in pediatric, adolescent, and adult psychosocial settings.*

Prerequisite: Occupational Therapy Assistant 100, 101, 101L.

62504	12:30p-3:40p	M W	Hyman D	SAC T-210	Full Semester
Section 62504 has 2 hours arranged per week.					

**OCCUPATIONAL THERAPY ASSISTANT 103, PHYSICAL FUNCTION AND DYSFUNCTION 4 UNITS**

*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: OTA 102 with a minimum grade of C; OTA 102L with a minimum grade of C.

62505			Staff	SAC WEB	Full Semester
Section 62505 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.					

**OCCUPATIONAL THERAPY ASSISTANT 103L, PHYSICAL COMPONENTS OF OCCUPATION 2.5 UNITS**

*Explores the Occupational Therapy Assistant's role in conducting assessments and treatment commonly used by occupational therapists with clients across the life span.*

Prerequisite: OTA 102 with a minimum grade of C; OTA 102L with a minimum grade of C.

62507	6:00p-9:10p	Tu Th	Eastman K	SAC T-210	Full Semester
Section 62507 has 2 hours arranged per week					

**OCCUPATIONAL THERAPY ASSISTANT 110, HUMAN OCCUPATION ACROSS LIFESPAN 3 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.*

62509			Parolise M	SAC WEB	Full Semester
Section 62509 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (parolise_michelle@sac.edu).					

**OCCUPATIONAL THERAPY ASSISTANT 111, APPLIED KINESIOLOGY 1 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: Biology 149 or 239.

62514	4:00p-5:05p	M	Parolise M	SAC T-210	Full Semester
-------	-------------	---	------------	-----------	---------------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**OCCUPATIONAL THERAPY ASSISTANT 115, HUMAN DISEASE AND OCCUPATION 2 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 101.

63541	8:00a-9:05a	MW	Parolise M	SAC T-210	Full Semester
-------	-------------	----	------------	-----------	---------------

**OCCUPATIONAL THERAPY ASSISTANT 201, CONTEMPORARY MODELS OF OCCUPATIONAL THERAPY PRACTICE 4 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: OTA 102 with a minimum grade of C; OTA 102L with a minimum grade of C.

63544	9:00a-12:00p	Sa	Parolise M Parolise M	SAC HYBRID Full Semester SAC T-210	
-------	--------------	----	--------------------------	---------------------------------------	--

Section 63544: Online instruction plus mandatory on-campus laboratory meetings on Sat, Sept. 8, 22, 29, Oct. 6, 13, 20, 27, Nov. 3, 10, 17, Dec. 1, 8 from 9:00a-12:00p, SAC T-210. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class (parolise\_michelle@sac.edu).

**OCCUPATIONAL THERAPY ASSISTANT 202, LEVEL II FIELDWORK - PART I 6 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.

63531	TBA		Hyman D	SAC	08/27-10/19
-------	-----	--	---------	-----	-------------

Section 63531 has 40 hours arranged per week.

**OCCUPATIONAL THERAPY ASSISTANT 203, LEVEL II FIELDWORK - PART II 6 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.

63536	TBA		Hyman D	SAC	10/22-12/14
-------	-----	--	---------	-----	-------------

Section 63536 has 40 hours arranged per week.

## PARALEGAL

**PARALEGAL 100, INTRODUCTION TO PARALEGAL STUDIES 3 UNITS**

Study of the legal assistant profession. Duties of a legal assistant, investigation, basic law office organization, court system and research fundamentals. Focus on ethics, terminology, and interviewing with sensitivity toward the diverse cultural mix of our society.

61108	8:00a-5:10p	Sa	Lamarra K	SAC A-130	09/01-10/06
61072	9:00a-10:25a	Tu Th	Manzano F	SAC A-205	Full Semester
61071	7:00p-10:10p	M	Robinson K	SAC A-210	Full Semester

**PARALEGAL 101, LAW OFFICE MANAGEMENT 2 UNITS**

Structure and procedures of the law office. Emphasis on organization of filing systems, litigation management, calendaring, tickler systems, indexing and summarizing documents, timekeeping, fees and billing, job search, law office layout.

Prerequisite: Paralegal 100 or concurrent enrollment.

64274			Manzano F	SAC WEB	Full Semester
-------	--	--	-----------	---------	---------------

Section 64274 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

**PARALEGAL 105, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL 1 - 4 UNITS**

Supervised paid or volunteer experience in student's major including new or expanded responsibilities. One unit of credit for each 5 hours worked per week to a maximum of 4 units for 20 hours work per week each semester. Limitation of 16 units in occupational cooperative education courses. Students must be enrolled in minimum of 7 units.

61111			Pollinger B	SAC	Full Semester
-------	--	--	-------------	-----	---------------

Section 61111 Mandatory off-site orientation 9/8 from 9:00a-1:00p. Please email instructor one week before class for more information. (Pollinger\_Barbara@sac.edu).

**PARALEGAL 107, PRINCIPLES AND PROCEDURES IN THE CRIMINAL JUSTICE SYSTEM 3 UNITS**

Role, responsibilities, interrelationships of segments in justice system; law enforcement, courts, corrections, exposure to procedures from initial entry to probation and/or parole. (Same as Criminal Justice 107.)

61073	11:30a-12:55p	Tu Th	Manzano F	SAC A-205	Full Semester
61076	7:00p-10:10p	Tu	Alexander R	SAC I-107	Full Semester

**PARALEGAL 120, COMPUTERS IN THE LAW OFFICE 4 UNITS**

Basic computer concepts for law office personnel. The focus will be on current hardware and software used in the law office.

61089	6:00p-10:10p	W	Keck E	SAC A-108	Full Semester
-------	--------------	---	--------	-----------	---------------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**PARALEGAL 121, ETHICS AND PROFESSIONAL RESPONSIBILITY 2 UNITS**

Ethics and professional responsibility for paralegals: fees, client funds, billing, advertising, solicitation, unauthorized practice, deceit, confidentiality, conflict of interest, suppressing evidence, reporting misconduct and professional practice obligations.

Prerequisite: Paralegal 100 or concurrent enrollment.

61113			Manzano F	SAC WEB	Full Semester
-------	--	--	-----------	---------	---------------

Section 61113 Online instruction. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

**PARALEGAL 130, LEGAL TRANSACTIONS 3 UNITS**

Introduction to contracts and drafting legal documents. Contract formation, performance, breach and third party interests. Student will learn to draft various contracts and other documents and will select, edit and customize formbook and computerized forms in real property, family law, and estate planning.

Prerequisite: Paralegal 100 or concurrent enrollment.

61100	11:30a-12:55p	MW	Robinson K	SAC A-205	Full Semester
-------	---------------	----	------------	-----------	---------------

**PARALEGAL 131, ALTERNATE DISPUTE RESOLUTION 2 UNITS**

Conflict resolution through techniques of negotiation, mediation and arbitration. Students will identify sources of conflict, analyze personalities, mediate impartially and use tools to maximize negotiation effectiveness. The course includes application of mediation skills in the law office and in other situations.

Prerequisite: Paralegal 100 or concurrent enrollment.

61101	9:00a-11:10a	MW	Manzano F	SAC A-206	08/27-10/17
-------	--------------	----	-----------	-----------	-------------

**PARALEGAL 136, REAL PROPERTY LAW AND PROCEDURE 2 UNITS**

Purchase sales agreements, mortgages, leases, easements, deeds, closing and recording of documents, public domain, condemnation, title searches, foreclosure process, eviction process (unlawful detainer), landlord-tenant law.

Prerequisite: Paralegal 100 or concurrent enrollment.

61102	9:00a-11:10a	MW	Manzano F	SAC A-206	10/22-12/12
-------	--------------	----	-----------	-----------	-------------

**PARALEGAL 137, TORT AND INSURANCE LAW 2 UNITS**

Intentional torts, negligence, strict liability, product liability, damages, immunity, defenses to torts. Principles of insurance law, and procedures for the investigation of personal injury cases.

Prerequisite: Paralegal 100 or concurrent enrollment.

61109	6:00p-10:10p	Th	Staff	SAC A-205	08/30-10/18
-------	--------------	----	-------	-----------	-------------

**PARALEGAL 138, LAW OF BUSINESS ORGANIZATIONS 2 UNITS**

Laws of the California Corporations Code. Students prepare articles of incorporation, minutes, by-laws, stock and stock transfer. Agency law, partnership laws.

Prerequisite: Paralegal 100 or concurrent enrollment.

61103	6:00p-10:00p	Th	Staff	SAC HYBRID	10/25-12/13
-------	--------------	----	-------	------------	-------------

Section 61103 Hybrid instruction combines mandatory on-campus meetings every Thur, 6:00p-10:00p, SAC A-205 plus online instruction.

**PARALEGAL 145, CIVIL LITIGATION OVERVIEW 4 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.

Prerequisite: Paralegal 100 or concurrent enrollment.

61104	9:00a-10:55a	MW	Robinson K	SAC A-205	Full Semester
61105	6:00p-10:10p	Tu	Robinson K	SAC A-205	Full Semester

**Be connected – stay connected**  
Keep up to date on campus news.  
Connect with friends on campus.

Become a  
**Facebook Fan**



<http://www.facebook.com/SantaAnaCollege>

**Follow SAC on Twitter**  
<http://twitter.com/SantaAnaCollege>

**Online Counseling Now Available!**  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**PARALEGAL 246, LEGAL RESEARCH AND ANALYSIS 4 UNITS**

*Principles of research, analysis, and techniques for the Paralegal. Must be familiar with Civil Procedure.*

Prerequisite: Paralegal 100, with a grade of C or better, or concurrent enrollment.

H	61110		Lamarra K	SAC HYBRID	10/20-12/15
		8:00a-11:00a	Lamarra K	SAC A-130	
		11:30a-5:30p	Lamarra K	SAC OCLL	

Section 61110 Hybrid instruction combines mandatory on-campus meetings every Sat, 8:00a-11:00a at SAC A-130, plus mandatory offsite meetings at Orange County Law Library every Sat, 11:30a-5:30p plus online instruction.

H	61106	7:00p-10:10p	Rients D	SAC A-108	Full Semester
		7:00p-10:10p	Rients D	SAC OCLL	

**PARALEGAL 248, ADVANCED RESEARCH AND WRITING 3 UNITS**

*Advanced projects in legal research and writing. Emphasis on legal form and style.*

Prerequisite: Paralegal 100, with a grade of C or better, or concurrent enrollment and Paralegal 246 with a grade of C or better.

	61107	6:30p-9:40p	Shelley G	DMC-203	Full Semester
--	-------	-------------	-----------	---------	---------------

**PARALEGAL 298, THE PROFESSIONAL PARALEGAL 2 UNITS**

*This is the capstone class to the paralegal degree/certificate. Students will demonstrate their knowledge of ethics, legal principles, and the technical skills necessary for entry level employment as a paralegal.*

Prerequisite: Students must have a C or better in: Paralegal 100, 101, 120, 121, 246, and either (Business 101 or 105) or all of the following: (Paralegal 107, 130, 131, 136, 137, and 138).

O	61114		Manzano F	SAC WEB	Full Semester
		Section 61114 Online instruction. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.			

**PARALEGAL 299, COOPERATIVE WORK EXPERIENCE EDUCATION 1 - 4 UNITS**

*Supervised volunteer or employment experience and study related to Paralegal major including new and expanded responsibilities. One unit of credit for each 5 hours worked per week to a maximum of 4 units for 20 hours per week each semester. Limitation of 8 units in Paralegal Cooperative Education courses. Must enroll in minimum 7 units.*

	61112		Robinson K	SAC	Full Semester
--	-------	--	------------	-----	---------------

Section 61112 Mandatory off-site orientation 9/8 from 9:00a-1:00p. Please email instructor one week before class for more information. (Robinson\_Kristen@sac.edu).

## PHARMACY TECHNOLOGY

**PHARMACY TECHNOLOGY 048, INTRODUCTION TO PHARMACY TECHNOLOGY 2 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.*

H	62647		Ross Jr J	SAC HYBRID	Full Semester
---	-------	--	-----------	------------	---------------

Section 62647 combines online and in-class instruction. Class will meet on campus every other Saturday beginning 9/1, from 8:00a-10:05a, SAC H-201.

Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class (rossjr\_john@sac.edu).

	62645	9:00a-11:05a	Tu	Ross Jr J	SAC H-210	Full Semester
	62646	6:00p-8:05p	Tu	Phi C	SAC H-201	Full Semester

**PHARMACY TECHNOLOGY 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.*

H	62651		Nguyen H	SAC HYBRID	Full Semester
---	-------	--	----------	------------	---------------

Section 62651 combines online and in-class instruction. Class will meet on campus every other Monday beginning 8/27, from 6:00p-9:45p, SAC H-205. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class (nguyen\_hieu@sac.edu).

	62650	9:00a-12:35p	F	Ross Jr J	SAC H-210	Full Semester
	62648	9:00a-12:35p	Th	Nguyen H	SAC H-210	Full Semester
	62649	6:00p-9:35p	Th	Nguyen H	SAC H-201	Full Semester

**PHARMACY TECHNOLOGY 054, PHARMACY CALCULATIONS 2 UNITS**

*Calculations related to drug dosage, measurements of strength, and preparation of medications. Includes interconversion of units in the metric and common systems of measurement. Emphasis on unit-cancellation for solving pharmacy situation problems. Strong verbal component.*

H	62654		Ross Jr J	SAC HYBRID	Full Semester
---	-------	--	-----------	------------	---------------

Section 62654 combines online and in-class instruction. Class will meet on campus every other Saturday beginning 9/1, from 10:15a-12:20p, SAC H-201. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Email instructor first week of class (rossjr\_john@sac.edu).

	62652	11:15a-1:20p	Tu	Ross Jr J	SAC H-210	Full Semester
	62653	8:15p-10:10p	Tu	Phi C	SAC H-201	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**PHARMACY TECHNOLOGY 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: Completion of Pharmacy Technology 048, 054, and 051 or 052 with grade of C or better, 30 wpm typing.

	62655	6:00p-10:10p	M W	Ross Jr J	SAC H-210	Full Semester
--	-------	--------------	-----	-----------	-----------	---------------

**PHARMACY TECHNOLOGY 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, 054, AND 051 OR 052 with a grade of C or better, 30 wpm typing.

	62656	9:00a-1:20p	M W	Huynh-Dang K	SAC H-210	Full Semester
--	-------	-------------	-----	--------------	-----------	---------------

**PHARMACY TECHNOLOGY 061, PHARMACY TECHNOLOGY SKILLS LAB 0.5 - 6 UNITS**

*Supervised use of the Pharmacy Technology lab to assist the student in developing competency in the technical skills required to successfully complete the Pharmacy Operations, Inpatient Pharmacy Services, Sterile Products, Pharmacy Technology Externship, and/or Sterile Products Review courses. Lab hours verified by sign-in. One-half (0.5) unit is required for the Advanced Certificate and A.S. degree.*

Prerequisite: Concurrent enrollment in Pharmacy Technology 056, 057, 060, 072, or 084. Returning students who took 056, 057, 060, 072, or 084 can take PHAR 061 alone.

Open Entry / Open Exit

W	62659	9:00a-12:00p	Sa	Nguyen N	SAC H-210	Full Semester
---	-------	--------------	----	----------	-----------	---------------

	63556	1:30p-4:30p	M W	Nguyen N	SAC H-210	Full Semester
--	-------	-------------	-----	----------	-----------	---------------

W	62658	9:00a-12:00p	Sa	Nguyen N	SAC H-210	Full Semester
---	-------	--------------	----	----------	-----------	---------------

	62658	1:30p-4:30p	W	Nguyen N	SAC H-210	Full Semester
--	-------	-------------	---	----------	-----------	---------------

	62657	1:30p-4:30p	M	Nguyen N	SAC H-210	Full Semester
--	-------	-------------	---	----------	-----------	---------------

**PHARMACY TECHNOLOGY 072, PHARMACY TECHNOLOGY EXTERNSHIP 0.5 - 6 UNITS**

*On-site training in three pharmacy practice settings. Students must complete the related lab course prior to placement in a specific rotation: PHAR 056 for outpatient, PHAR 057 and PHAR 056 for inpatient, PHAR 060 for sterile products. Students must pass the trade-generic test prior to placement. Some sites require additional screening. Completion of all three rotations (320 hours) required for the advanced certificate. Preceptors may assign NP grade for incomplete or failing competencies. Students receiving NP grades must repeat the rotation hours (40 hours increments).*

Prerequisite: Pharmacy Technology 056, 057, or 060 with a grade of C or better; current TB clearance; Speech Communications 097, 101, 101H or 102.

Open Entry / Open Exit

	63560	TBA		Huynh-Dang K	SAC	08/22-01/06
--	-------	-----	--	--------------	-----	-------------

**PHARMACY TECHNOLOGY 080, PHARMACY CALCULATIONS REVIEW 2 UNITS**

*Review of calculations related to drug dosage, measurements of strength, and preparations of medications. Includes interconversion of units in the metric and common systems of measurements. Emphasis on unit-cancellation for solving pharmacy situation problems.*

Prerequisite: Pharmacy Technology 054.

	63557	11:15a-1:20p	Tu	Ross Jr J	SAC H-210	Full Semester
--	-------	--------------	----	-----------	-----------	---------------

	63558	8:15p-10:20a	Tu	Phi C	SAC H-210	Full Semester
--	-------	--------------	----	-------	-----------	---------------

**PHARMACY TECHNOLOGY 084, STERILE PRODUCTS UPDATE 4.5 UNITS**

*Update 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 060 with grade of C or better.

	63559	9:00a-1:20p	M W	Huynh-Dang K	SAC H-210	Full Semester
--	-------	-------------	-----	--------------	-----------	---------------

## PHILOSOPHY

**PHILOSOPHY 106, INTRODUCTION TO PHILOSOPHY 3 UNITS**

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

	61085	8:00a-9:25a	M W	Shigematsu T	SAC D-105	Full Semester
--	-------	-------------	-----	--------------	-----------	---------------

	61078	9:45a-11:10a	M W	Fish Z	SAC D-102	Full Semester
--	-------	--------------	-----	--------	-----------	---------------

	61088	7:00p-10:10p	Th	Krogfoss W	SAC I-208	Full Semester
--	-------	--------------	----	------------	-----------	---------------

	61086	7:00p-10:10p	Tu	Redoutey M	SAC D-105	Full Semester
--	-------	--------------	----	------------	-----------	---------------

**PHILOSOPHY 106H, HONORS INTRODUCTION TO PHILOSOPHY 3 UNITS**

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

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

	61091	9:45a-11:10a	Tu Th	Shigematsu T	SAC D-105	Full Semester
--	-------	--------------	-------	--------------	-----------	---------------

**PHILOSOPHY 108, ETHICS 3 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.*

	61093	7:00p-10:10p	W	Fish Z	SAC D-105	Full Semester
--	-------	--------------	---	--------	-----------	---------------



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>PHILOSOPHY 110, CRITICAL THINKING</b> <b>4 UNITS</b>					
<i>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.</i>					
Prerequisite: English 101 or 101H with a grade of C or better					
H 61097	5:00p-6:50p	M	Fish Z Fish Z	SAC HYBRID SAC D-105	Full Semester
Section 61097 combines online instruction plus mandatory on campus meetings on Mondays 8/27, 9/24, 10/29, 12/3 at 5:00p-6:50p in room SAC D-105. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class (fish_zachary@sac.edu).					
61096	8:00a-10:05a	Tu Th	Fish Z	SAC A-224	Full Semester
61095	9:45a-11:50a	M W	Shigematsu T	SAC D-105	Full Semester
61094	11:30a-1:35p	Tu Th	Fish Z	SAC D-109	Full Semester

<b>PHILOSOPHY 111, INTRODUCTORY LOGIC</b> <b>4 UNITS</b>					
<i>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.</i>					
61098	12:00p-2:05p	M W	Fish Z	SAC A-206	Full Semester

<b>PHILOSOPHY 112, WORLD RELIGIONS</b> <b>3 UNITS</b>					
<i>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.</i>					
61099	11:30a-12:55p	Tu Th	Shigematsu T	SAC D-105	Full Semester

## PHOTOGRAPHY

<b>PHOTOGRAPHY 009, PHOTOGRAPHY LAB</b> <b>0.5 UNIT</b>					
<i>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 earn 0.5 unit. Requires concurrent enrollment in a photography course.</i>					
Prerequisite: Concurrent enrollment in a photography course.					
Open Entry / Open Exit					
<b>Material Fee(s): \$15</b>					
61902	TBA		Lanoue M	SAC A-217	Full Semester

<b>PHOTOGRAPHY 180, BEGINNING PHOTOGRAPHY</b> <b>3 UNITS</b>					
<i>A beginning black and white photography course including cameras, exposure meters, film, lighting, darkroom printing, digital process and print presentation. The student will develop aesthetic knowledge and technical skills of photography. An adjustable film camera is required.</i>					
<b>Material Fee(s): \$15</b>					
61906	8:30a-9:25a	M W	Lanoue M	SAC A-219	Full Semester
	9:30a-10:55a	M W	Lanoue M	SAC A-217	
61910	12:30p-1:25p	M W	Lanoue M	SAC A-219	Full Semester
	1:30p-2:55p	M W	Lanoue M	SAC A-217	

<b>PHOTOGRAPHY 291, WEDDING AND QUINCEANERA PHOTOGRAPHY</b> <b>3 UNITS</b>					
<i>Instruction in fundamental concepts, equipment demands, and photographic techniques used by contemporary wedding/quinceanera photographers.</i>					
Prerequisite: Photography 180.					
61960	6:45p-7:45p	Tu Th	Staff	SAC A-219	Full Semester
	7:45p-9:10p	Tu Th	Staff	SAC A-217	

## PHYSICAL SCIENCE

<b>PHYSICAL SCIENCE 115, CONCEPTS IN PHYSICAL SCIENCES FOR EDUCATORS</b> <b>4 UNITS</b>					
<i>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)</i>					
61722	2:00p-5:10p	M	Staff	SAC R-309	Full Semester
	2:00p-5:10p	W	Staff	SAC R-309	

<b>PHYSICAL SCIENCE 117, PHYSICAL SCIENCE SURVEY</b> <b>3 UNITS</b>					
<i>Introduction to the methods of science and concepts relating to mechanics, states of matter, waves, heat, electricity, light, atomic structure and chemical reactions. May include topics from Earth and space science. Emphasis is on basic principles, relationships, and applications to modern civilization. This course is open to all majors. Concurrent enrollment in Physical Science 118 is highly recommended.</i>					
62261	11:00a-12:25p	M W	Raoufi A	SAC R-318	Full Semester

<b>PHYSICAL SCIENCE 118, PHYSICAL SCIENCE SURVEY LABORATORY</b> <b>1 UNIT</b>					
<i>Laboratory course to accompany Physical Science 117. Laboratory topics include: motion, forces, energy, thermodynamics, electricity, circuits, optics, and chemical reactions.</i>					
62262	1:45p-4:55p	M	Raoufi A	SAC R-328	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
<b>PHYSICS</b>					
<b>PHYSICS 109, SURVEY OF GENERAL PHYSICS</b> <b>4 UNITS</b>					
<i>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.</i>					
62260	11:00a-12:25p	M W	Raoufi A	SAC R-318	Full Semester
	1:45p-4:55p	M	Raoufi A	SAC R-328	

<b>PHYSICS 210, PRINCIPLES OF PHYSICS I</b> <b>4 UNITS</b>					
<i>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.</i>					
Prerequisite: Mathematics 180/180H with a grade of C or better.					
62263	7:00p-10:10p	Tu	Budarz T	SAC R-126	Full Semester
	4:15p-7:25p	Th	Budarz T	SAC R-328	
62265	7:00p-10:10p	Tu	Budarz T	SAC R-126	Full Semester
	7:30p-10:40p	Th	De Santos G	SAC R-328	

<b>PHYSICS 217, ENGINEERING PHYSICS I</b> <b>4 UNITS</b>					
<i>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.</i>					
Prerequisite: Mathematics 180 or 180H with a grade of C or better.					
62267	11:30a-12:55p	Tu Th	Budarz T	SAC I-204	Full Semester
	8:00a-10:10a	M	Budarz T	SAC R-328	
	10:20a-11:15a	M	Budarz T	SAC R-328	

<b>PHYSICS 227, ENGINEERING PHYSICS II</b> <b>4 UNITS</b>					
<i>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.</i>					
Prerequisite: Physics 217 and Mathematics 185 both with grade of C or better.					
62269	9:40a-11:05a	Tu Th	Budarz T	SAC I-204	Full Semester
	8:00a-10:10a	W	Budarz T	SAC R-328	
	10:20a-11:15a	W	Budarz T	SAC R-328	

<b>PHYSICS 279, COLLEGE PHYSICS I</b> <b>4 UNITS</b>					
<i>A trigonometry-based physics course. Topics include: mechanics, thermodynamics, fluids, oscillatory motion, and sound.</i>					
Prerequisite: Mathematics 160 with a grade of C or better.					
62264	7:00p-10:10p	Tu	Budarz T	SAC R-126	Full Semester
	4:15p-7:25p	Th	Budarz T	SAC R-328	
62266	7:00p-10:10p	Tu	Budarz T	SAC R-126	Full Semester
	7:30p-10:40p	Th	De Santos G	SAC R-328	


## POLITICAL SCIENCE

<b>POLITICAL SCIENCE 101, INTRODUCTION TO AMERICAN GOVERNMENTS</b> <b>3 UNITS</b>					
<i>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.</i>					
H 61143	5:30p-6:55p	Th	Murphy T Murphy T	SAC HYBRID SAC D-105	Full Semester
Section 61143 combines online instruction plus mandatory on campus meetings on Thursdays 8/30, 9/27, 11/1, 12/6 from 5:30p-6:55p in SAC D-105.					
Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
Email instructor first week of class (murphy_tim@sac.edu).					

61144	8:00a-9:25a	Tu Th	Andrade P	SAC D-201	Full Semester
61133	8:00a-9:25a	M W	Petri M	SAC A-210	Full Semester
61134	8:00a-9:25a	M W	Valenzuela E	SAC D-106	Full Semester
61128	8:00a-9:25a	Tu Th	Murphy T	SAC D-101	Full Semester
61122	8:00a-9:25a	M W	Andrade P	SAC D-101	Full Semester
61137	8:00a-9:25a	Tu Th	Valenzuela E	SAC D-303	Full Semester
W 61130	9:00a-12:10p	Sa	Chervenak T	SAC A-210	Full Semester
61145	9:45a-11:10a	Tu Th	Murphy T	SAC D-101	Full Semester
61129	9:45a-11:10a	M W	Murphy T	SAC D-106	Full Semester
61131	9:45a-11:10a	Tu Th	Valenzuela E	SAC I-102	Full Semester
61140	11:30a-12:55p	Tu Th	Murphy T	SAC D-106	Full Semester
61136	11:30a-12:55p	M W	Andrade P	SAC D-102	Full Semester
61132	11:30a-12:55p	M W	Murphy T	SAC D-106	Full Semester
61419	1:15p-2:40p	Tu Th	Andrade P	SAC D-101	Full Semester
61141	5:30p-6:55p	Tu Th	Petri M	SAC D-106	Full Semester
61142	7:00p-10:10p	Tu	Petri M	SAC D-101	Full Semester
61135	7:00p-10:10p	W	Becker C	SAC D-303	Full Semester
61138	7:00p-10:10p	M	Becker C	SAC D-103	Full Semester
61139	7:00p-10:10p	Th	Becker C	SAC D-101	Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**POLITICAL SCIENCE 101H, HONORS INTRODUCTION TO AMERICAN GOVERNMENTS 3 UNITS**

 A student-oriented exploration of the historical and contemporary principles of American government. Study groups and individual computer-based research focus on basic political concepts of American national and state governments. Satisfies graduation requirement for American Institutions and state requirements for California state government.

Prerequisite: A high school or college GPA of 3.0 or above.  
61146 9:45a-11:10a M W Andrade P SAC D-434 Full Semester

**POLITICAL SCIENCE 200, AMERICAN POLITICAL THOUGHT 3 UNITS**

An inquiry into the major influences that have shaped American political thought. Emphasis is on an historical analysis of political thought contributing to contemporary politics.

61147 8:00a-9:25a M W Murphy T SAC I-208 Full Semester

**POLITICAL SCIENCE 201, INTRODUCTION TO COMPARATIVE POLITICS 3 UNITS**

A study of the histories, political cultures, and governmental arrangements of various nations and regions around the world. Comparative study is made of the "First World" or industrialized democracies, the "Second World" or former and current communist countries, and the "Third World" developing, and "Fourth World" non-developing countries.

61148 9:45a-11:10a Tu Th Andrade P SAC D-103 Full Semester

## PSYCHOLOGY

**PSYCHOLOGY 100, INTRODUCTION TO PSYCHOLOGY 3 UNITS**

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

 61188 No on-campus meetings. Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information. Ortiz F SAC TV Full Semester

61183 8:00a-9:25a Tu Th Pedroza J SAC D-434 Full Semester

61166 8:00a-9:25a M W Barbari N SAC D-102 Full Semester

61181 9:00a-12:10p F Pedroza J SAC D-434 Full Semester

 61176 9:00a-12:10p Sa Keo-Trang Z SAC I-108 Full Semester

61168 9:45a-11:10a M W Ortiz F SAC D-101 Full Semester

61184 9:45a-11:10a M W Pedroza J SAC D-214 Full Semester

61164 9:45a-11:10a Tu Th Ortiz F SAC D-106 Full Semester

61162 9:45a-11:10a Tu Th Ortiz F SAC I-201 Full Semester

Section 61162 is linked to Counseling 116, Career/Life Planning and Personal Exploration, Section 59493 and English 101, Freshman Composition, Section 60812. Enrollment in all sections is mandatory. See the Freshman Experience Program page in the class schedule for more information.

61187 11:30a-12:55p M W Castillo R SAC D-204 Full Semester

61174 11:30a-12:55p Tu Th Pedroza J SAC D-101 Full Semester

61172 11:30a-12:55p M W Pedroza J SAC D-101 Full Semester

Section 61172 is designed to focus on Asian-American issues. Open to all students.

61179 1:00p-2:25p Tu Th Beck K SAC A-210 Full Semester

61185 1:15p-2:40p M W Castillo R SAC D-106 Full Semester

61189 2:00p-5:20p M W Larson M SAC D-434 10/22-12/12

61180 7:00p-10:10p M Castillo R SAC D-434 Full Semester

61182 7:00p-10:10p Th Keo-Trang Z SAC D-208 Full Semester

61186 7:00p-10:10p W Barbari N SAC D-305 Full Semester

61170 7:00p-10:10p Tu Castillo R SAC D-106 Full Semester

**PSYCHOLOGY 140, INTRODUCTION TO PSYCHOLOGY OF ADULTHOOD AND AGING 3 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.

61190 6:00p-9:10p W Larson M SAC D-304 Full Semester

**PSYCHOLOGY 157, INTRODUCTION TO CHILD PSYCHOLOGY 3 UNITS**

Survey of human development from conception through adolescence. Covers major theories of development (cognition, perception, language, personality, etc.) and their application to parenting, teaching, and other interactions with children. (No credit if student has taken Human Development 107.)

61191 7:00p-10:10p Th Castillo R SAC D-434 Full Semester

**PSYCHOLOGY 170, MULTICULTURAL PSYCHOLOGY 3 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.

61193 11:30a-12:55p M W Ortiz F SAC D-434 Full Semester

**PSYCHOLOGY 219, INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY 3 UNITS**

Emphasizes methods of study in psychology including: sound and ethical experimental design, analysis of variables contributing to experimental results, data treatment, and communicating findings.

Prerequisite: Social Science 219 or Mathematics 219 (may be taken concurrently) and Psychology 100.

61195 12:00p-12:50p Tu Th Castillo R SAC D-434 Full Semester

1:15p-4:25p Tu Castillo R SAC D-434

61196 12:00p-12:50p Tu Th Castillo R SAC D-434 Full Semester

1:15p-4:25p Th Castillo R SAC D-434

**PSYCHOLOGY 250, INTRODUCTION TO ABNORMAL PSYCHOLOGY 3 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.

61198 9:45a-11:10a Tu Th Pedroza J SAC D-434 Full Semester

61197 7:00p-10:10p Th Beck K SAC D-106 Full Semester

## READING

**READING N49A, READING FOR NON-NATIVE SPEAKERS OF ENGLISH - PART I 3 UNITS**

A beginning academic reading course for students who have had some exposure to English. Development of vocabulary, word attack skills, spelling, reading strategies, and reading comprehension. 16 additional hours in Reading Lab required (one hour per week for 16-week semester sections). Not applicable to associate degree. This class is recommended for students enrolled in ESL N40B and ESL N49.

**16 lab hours required, one hour per week for 16-week semester.**

61220 1:15p-2:40p Tu Th Kossler W SAC D-307-1 Full Semester

61222 5:30p-6:55p M W Kossler W SAC D-309 Full Semester

**READING N49B, READING FOR NON-NATIVE SPEAKERS OF ENGLISH - PART I 3 UNITS**

Continued development of vocabulary, word attack skills, spelling, reading strategies, and reading comprehension for non-native speakers of English. 16 additional hours in Reading Lab required (one hour per week for 16-week semester sections). Not applicable to associate degree. This class is recommended for students who need more practice at this level. Grade: Pass/No Pass Only.

**16 lab hours required, one hour per week for 16-week semester.**

61221 1:15p-2:40p Tu Th Kossler W SAC D-307-1 Full Semester

61223 5:30p-6:55p M W Kossler W SAC D-309 Full Semester

**READING N50A, READING FOR NON-NATIVE SPEAKERS OF ENGLISH - PART II 3 UNITS**

An expanded focus on reading for non-native speakers of English. Continued development of vocabulary, word attack skills, spelling, reading strategies, and reading comprehension. 16 additional hours in Reading Lab required (one hour per week for 16-week semester sections). Not applicable to associate degree. Grade: CR/NCR only. This class is recommended for students who have taken Reading N49A or Reading N49B.

**16 lab hours required, one hour per week for 16-week semester.**

61224 1:15p-2:40p M W Kossler W SAC D-307-1 Full Semester

**READING N50B, READING FOR NON-NATIVE SPEAKERS OF ENGLISH - PART II 3 UNITS**

Continued expansion of reading skills for non-native speakers of English, with a focus on vocabulary development, word attack skills, spelling, reading strategies, and reading comprehension. 16 additional hours in Reading Lab required (one hour per week for 16-week semester sections). Not applicable to associate degree. Grade: CR/NCR only. This class is recommended for students who need more practice at this level.

**16 lab hours required, one hour per week for 16-week semester.**

61225 1:15p-2:40p M W Kossler W SAC D-307-1 Full Semester

**Can't find the class you need?**

**It may be waiting for you at  
Santiago Canyon College!**

**View SCC's class schedule at  
[www.sccollege.edu/schedule](http://www.sccollege.edu/schedule)**

**Hurry! Class sizes are limited.**

**Academic Planning Questions?**

[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------



**On the Road to Success!!**  
Build your skills in Basic Math, Reading, English and ESL – on your own time!!

**The Success Center**  
Library Building, Room L-206

We want to help you build your basic skills! Set your own arranged hours developing the skills you need for your college classes. Sign up for IDS N04, Essential Basic Skills, 0 units, open entry/open exit.

This is YOUR center, dedicated to helping you! Come by L-206 and check it out!

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**READING N90B, INDIVIDUALIZED READING**

**3 UNITS**

Further develops reading skills. Individualized instruction in vocabulary, comprehension, critical evaluation and reading rate. Grade: P/NP only. 16 additional hours in the Reading Lab required (one hour per week for 16-week semester sections).

Prerequisite: Reading N90A.

**16 lab hours required, one hour per week for 16-week semester.**

61250	8:00a-9:25a	Tu Th	Gilreath G	SAC D-309	Full Semester
61248	9:45a-11:10a	Tu Th	Gilreath G	SAC D-309	Full Semester
61254	11:30a-12:55p	M W	Gilreath G	SAC D-309	Full Semester
61252	7:00p-10:10p	W	Monahan L	SAC D-309	Full Semester

**READING 102, ACADEMIC READING**

**3 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. Completion of or concurrent enrollment in English 061 recommended.

61216	8:00a-9:25a	M W	Colunga M	SAC D-307-1	Full Semester
61215	9:45a-11:10a	Tu Th	Colunga M	SAC D-307-1	Full Semester

**READING 150, CRITICAL READING**

**3 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. Completion of or concurrent enrollment in English 101 recommended.

61217	8:00a-9:25a	M W	Gilreath G	SAC D-309	Full Semester
61246	9:45a-11:10a	M W	Gilreath G	SAC D-309	Full Semester
61218	1:15p-2:40p	Tu Th	Gilreath G	SAC D-309	Full Semester

## SCIENCE

**SCIENCE 200, ENVIRONMENT OF MAN**

**3 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 and Environmental Studies 200.)

61647	10:00a-1:10p	Th	Morris A	SAC R-228	Full Semester
-------	--------------	----	----------	-----------	---------------

## SIGN LANGUAGE

**SIGN LANGUAGE 110, AMERICAN SIGN LANGUAGE I**

**3 UNITS**

This introductory 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 skills, modeling of grammatical structures, and general information about American Deaf culture. Sign Language 110 is equivalent to two years of high school ASL.

62798	9:30a-10:55a	Tu Th	Yingst S	SAC R-124	Full Semester
62794	9:30a-10:55a	M W	Yingst S	SAC I-206	Full Semester
62679	11:00a-12:25p	Tu Th	Collins M	SAC R-128	Full Semester
62615	6:30p-9:40p	W	Ascheman J	SAC I-206	Full Semester
62616	7:00p-10:10p	Th	Ascheman J	SAC I-206	Full Semester

**SIGN LANGUAGE 111, AMERICAN SIGN LANGUAGE II**

**3 UNITS**

The second course in the study of American Sign Language (ASL) focuses on vocabulary development, comprehension skills, grammatical structures and practice in the receptive and expressive aspects of ASL, as well as continued exposure to American Deaf culture. It is designed for the student or professional interested in working and interacting with the Deaf community.

Prerequisite: Sign Language 110.

62799	11:00a-12:25p	M W	Yingst S	SAC I-206	Full Semester
-------	---------------	-----	----------	-----------	---------------

## SOCIAL SCIENCE

**SOCIAL SCIENCE 219, STATISTICS AND PROBABILITY**

**4 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. (Same as Mathematics 219.)

Prerequisite: Mathematics 080/081 or 140 with a grade of C or better or equivalent skills as measured by the Math Level 3 Exam and a course equivalent to Mathematics 080/081 or 140.

<b>W</b> <b>CA</b> 61846	7:30a-10:00a	M W	Vu H	SAC H-108	Full Semester
<b>W</b> <b>CA</b> 61871	8:00a-1:20p	Sa	Bui M	SAC A-215	Full Semester
61861	9:15a-11:45a	Tu Th	Zarske J	SAC H-108	Full Semester
<b>CA</b> 61856	1:00p-3:30p	M W	Anthony M	SAC H-108	Full Semester
<b>CA</b> 61859	2:15p-4:45p	Tu Th	Anthony M	SAC H-108	Full Semester
<b>CA</b> 61868	5:00p-7:30p	M W	Bowers C	SAC H-108	Full Semester
<b>CA</b> 61854	7:15p-9:45p	Tu Th	Nguyen D	SAC H-108	Full Semester
62234	7:40p-10:10p	M W	Ortiz F	SAC H-108	Full Semester

**READING N80A, FUNDAMENTALS OF READING**

**3 UNITS**

Instruction in basic reading skills including techniques for improving vocabulary and spelling, word attack skills, and reading comprehension. Not applicable to associate degree.

61244	8:00a-9:25a	Tu Th	Madison M	SAC D-212	Full Semester
61230	8:00a-9:25a	Tu Th	Colunga M	SAC D-307-1	Full Semester
61226	9:45a-11:10a	Tu Th	Kossler W	SAC D-205	Full Semester
61228	9:45a-11:10a	M W	Colunga M	SAC D-307-1	Full Semester
61234	11:15a-12:40p	Tu Th	Simmons K	SAC I-107	Full Semester
61236	11:30a-12:55p	Tu Th	Kossler W	SAC D-309	Full Semester
61240	11:30a-12:55p	M W	Colunga M	SAC D-307-1	Full Semester
61238	1:00p-2:25p	M W	Simmons K	SAC D-309	Full Semester
61242	1:00p-2:25p	Tu Th	Colunga M	SAC I-107	Full Semester
61232	5:30p-6:55p	Tu Th	Madison M	SAC D-309	Full Semester

**READING N80B, FUNDAMENTALS OF READING**

**3 UNITS**

Continued instruction in basic reading skills including techniques for improving vocabulary and spelling, word attack skills, and reading comprehension. Not applicable to associate degree.

Prerequisite: Reading N80A.

61245	8:00a-9:25a	Tu Th	Madison M	SAC D-212	Full Semester
61231	8:00a-9:25a	Tu Th	Colunga M	SAC D-307-1	Full Semester
61227	9:45a-11:10a	Tu Th	Kossler W	SAC D-205	Full Semester
61229	9:45a-11:10a	M W	Colunga M	SAC D-307-1	Full Semester
61235	11:15a-12:40p	Tu Th	Simmons K	SAC I-107	Full Semester
61237	11:30a-12:55p	Tu Th	Kossler W	SAC D-309	Full Semester
61241	11:30a-12:55p	M W	Colunga M	SAC D-307-1	Full Semester
61239	1:00p-2:25p	M W	Simmons K	SAC D-309	Full Semester
61243	1:00p-2:25p	Tu Th	Colunga M	SAC I-107	Full Semester
61233	5:30p-6:55p	Tu Th	Madison M	SAC D-309	Full Semester

**READING N90A, INDIVIDUALIZED READING**

**3 UNITS**

Individualized instruction in vocabulary, comprehension, critical evaluation and reading rate. Grade: P/NP only. 16 additional hours in Reading Lab required (one hour per week for 16-week semester sections).

**16 lab hours required, one hour per week for 16-week semester.**

61249	8:00a-9:25a	Tu Th	Gilreath G	SAC D-309	Full Semester
61247	9:45a-11:10a	Tu Th	Gilreath G	SAC D-309	Full Semester
61253	11:30a-12:55p	M W	Gilreath G	SAC D-309	Full Semester
61251	7:00p-10:10p	W	Monahan L	SAC D-309	Full Semester

**Be the First to Know!**

Sign up for SAC's mobile alert emergency notification system.

Text SAC to 253788 (AlertU) and reply Y  
Or sign up online at [www.alertu.org/sac](http://www.alertu.org/sac)

Text messages sent only in emergencies  
No spam ■ Standard text message rates apply





**Be connected – stay connected**  
**Keep up to date on campus news.**  
**Connect with friends on campus.**

Become a  
Facebook Fan



<http://www.facebook.com/SantaAnaCollege>

Follow SAC on Twitter

<http://twitter.com/#!/SantaAnaCollege>

**SOCIAL SCIENCE 219H, HONORS STATISTICS AND PROBABILITY 4 UNITS**

Enhanced format for the beginning course in statistics and probability, using a seminar approach, computers, individual research, and presentations. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics, with applications designed around the individual interests of students. (Same as Mathematics 219H.)

Prerequisite: Mathematics 080/081 with a grade of C or better (OR placement into Mathematics 219 on the Mathematics Level 3 placement exam AND a course equivalent to Mathematics 080/081) AND a high school or college GPA or 3.0 or above.

61874	1:00p-3:30p	Tu Th	McClure C	SAC A-215	Full Semester
-------	-------------	-------	-----------	-----------	---------------

**SOCIOLOGY**

**SOCIOLOGY 100, INTRODUCTION TO SOCIOLOGY 3 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.

61330			Rogers N	SAC TV	Full Semester
Section 61330 Telecourse instruction plus optional on-campus orientation: Saturday 9/1, 9:00a-10:00a SAC A-128 or Thursday 9/6, 5:00p-6:00p, SAC A-130. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					

61325	8:00a-9:25a	Tu Th	Wood S	SAC D-401	Full Semester
61324	9:45a-11:10a	MW	Wood S	SAC D-304	Full Semester
61326	11:30a-12:55p	Tu Th	Govea M	SAC I-202	Full Semester
61329	11:30a-12:55p	Tu Th	Wood S	SAC D-304	Full Semester
61327	7:00p-10:10p	W	O'Dell R	SAC I-207	Full Semester
61328	7:00p-10:10p	Th	O'Dell R	SAC D-102	Full Semester

**SOCIOLOGY 100H, HONORS INTRODUCTION TO SOCIOLOGY 3 UNITS**

A seminar-style, content enriched course to provide a critical and extensive exploration of the sociological perspective, methods, and theories of social interaction, stability and change. Focuses on the importance of sociology for understanding individuals in a social context and provides a comprehensive understanding of and scientific way of thinking about society.

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

61333	8:00a-9:25a	MW	Wood S	SAC D-401	Full Semester
Section 61333 is linked with English 101H Section 60863. Enrollment in both sections is mandatory. See Freshman Experience Program page in the class schedule for more information.					

**SOCIOLOGY 112, RELATIONSHIPS, MARRIAGES, AND FAMILY DYNAMICS 3 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.

61334			King Y	SAC WEB	Full Semester
Section 61334 WEB only class. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class.					

61335			Rogers N	SAC TV	Full Semester
Section 61335 Telecourse instruction plus optional on-campus orientation: Saturday 9/1, 10:00a-11:00a SAC A-128 or Thursday 9/6, 6:00p-7:00p, SAC A-130. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					

**SOCIOLOGY 140, ANALYSIS OF SOCIAL TRENDS AND PROBLEMS 3 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.

61336	9:45a-11:10a	Tu Th	King Y	SAC D-109	Full Semester
-------	--------------	-------	--------	-----------	---------------

**SPANISH**

**SPANISH 101, ELEMENTARY SPANISH I 5 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. Sixteen additional hours in the Modern Language Lab required. (One hour per week for 16-week semester sections and two hours per week for 8-week summer sessions).

**16 lab hours required, one hour per week for 16-week semester.**

61347	7:00p-9:30p	Tu Th	Galvan J	SAC HYBRID	Full Semester
					SAC I-109

This section has been specifically designed for Spanish native speakers. Section 61347 combines online instruction with 5 mandatory on-campus meetings on Thursdays 8/30, 9/20, 10/18, 11/8 and 12/6 from 7:00p-9:30p in SAC I-109. Class will use text "Mundo 21." Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

Email instructor first week of class (galvan\_javier@sac.edu).

61349	4:30p-6:50p	M	Galvan J	SAC HYBRID	Full Semester
					SAC D-304

Section 61349 combines online instruction with 5 mandatory on-campus meetings on Mondays 8/27, 9/17, 10/15, 11/5 and 12/3 from 4:30p-6:50p, room SAC D-304. Class will use text "Puntos de Partida." Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

Email instructor first week of class (galvan\_javier@sac.edu).

61350	8:00a-10:30a	MW	Guerrero-Phlaum M	SAC D-303	Full Semester
61353	8:00a-10:30a	MW	Lopez-Jaurequi L	SAC I-201	Full Semester

16 lab hours required, one hour per week. Section 61353 is designed for Spanish speakers.

Open to all students.

61345	10:45a-1:15p	Tu Th	Guerrero-Phlaum M	SAC D-305	Full Semester
61346	10:45a-1:15p	MW	Galvan J	SAC D-303	Full Semester
61348	10:45a-1:15p	Tu Th	Lopez-Jaurequi L	SAC D-303	Full Semester

Section 61348 is designed for Spanish speakers. Open to all students.

**SPANISH 102, ELEMENTARY SPANISH II 5 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. Sixteen additional hours in the Modern Language Lab required. (One hour per week for 16-week semester sections and two hours per week for 8-week summer sessions). Prerequisite: Spanish 101/101H, or two years of high school Spanish with a grade of C or better.

**16 lab hours required, one hour per week for 16-week semester.**

61354	4:30p-6:50p	Tu	Guerrero-Phlaum M	SAC HYBRID	Full Semester
					SAC D-303

Section 61354 combines online and 5 mandatory on-campus meetings on Tuesdays 8/28, 9/18, 10/16, 11/13 and 12/4 4:30p-6:50p in SAC D-303.

Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

61357	8:00a-10:30a	Tu Th	Guerrero-Phlaum M	SAC V-151	Full Semester
61359	8:00a-10:30a	Tu Th	Lopez-Jaurequi L	SAC D-305	Full Semester

Section 61359 is designed for Spanish speakers. Open to all students.

61355	4:00p-6:30p	MW	Labrit G	SAC D-303	Full Semester
-------	-------------	----	----------	-----------	---------------

**SPANISH 195A, ADVANCED CONVERSATIONAL SPANISH 3 UNITS**

Further development of conversational skills. Review of language structures as well as reinforcement of new vocabulary and idioms through discussions of reading selections dealing with historical and current events to deepen appreciation of Hispanic cultures.

Prerequisite: Spanish 102 or 102H.

61360	11:00a-2:10p	W	Guerrero-Phlaum M	SAC I-102	Full Semester
-------	--------------	---	-------------------	-----------	---------------

**SPANISH 195B, ADVANCED CONVERSATIONAL SPANISH 3 UNITS**

Continuation of development of conversational skills. Provides avenues for the expression of ideas introduced in literary and current event readings through discussions and class presentations to deepen appreciation of Hispanic cultures.

Prerequisite: Spanish 195A.

61362	11:00a-2:10p	W	Guerrero-Phlaum M	SAC I-102	Full Semester
-------	--------------	---	-------------------	-----------	---------------

**SPANISH 201, INTERMEDIATE SPANISH I 5 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 or better.

61363	11:30a-2:00p	MW	Lopez-Jaurequi L	SAC D-305	Full Semester
-------	--------------	----	------------------	-----------	---------------

**Online Counseling Now Available!**  
[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**SPANISH 213, COLLEGE SPANISH COMPOSITION****3 UNITS***Writing of composition through discussions and interpretive readings.*

Prerequisite: Spanish 201 with a grade of C or better or three years of high school Spanish with a grade of C or better; Concurrent enrollment in Spanish 201.

61365 6:00p-9:10p Tu Lopez-Jaurequi L SAC D-213 Full Semester

**SPECIAL SERVICES****SPECIAL SERVICES N83, CAREER EXPLORATION****0.5 UNIT***Designed to assist students in exploration of appropriate career areas. Includes vocational assessment, self-awareness, goal setting, job market outlook, individualized task analysis of jobs, career planning and job search techniques. Open to students with disabilities in the WorkAbility Program. Not applicable to Associates of Arts and Science degrees.*

Open Entry / Open Exit

62757 TBA Morris-Pfyl S SAC L-225 Full Semester

**SPECIAL SERVICES N91, FUNDAMENTALS OF COGNITIVE LEARNING****0.5 - 1.5 UNITS***Fundamentals of Cognitive Retraining is designed for individuals who have sustained an acquired brain impairment and who are experiencing cognitive difficulties. Instruction focuses on improving attention and concentration, perceptual processing skills and memory. Arranged schedule.*

Prerequisite: Verified brain impairment.

Open Entry / Open Exit

62752 TBA Miller R SAC M-105 Full Semester

**SPECIAL SERVICES N92, ASSISTIVE COMPUTER TECHNOLOGY INSTRUCTION****0.5 - 2 UNITS***This course is intended for students with disabilities. Emphasis is on mastering appropriate assistive computer technologies and to provide instruction in Windows, Microsoft Office and Internet/E-Mail access. Not applicable to associate degree.*

Open Entry / Open Exit

62728 TBA Dutton Jr D SAC U-103 Full Semester

**SPECIAL SERVICES N94, INTERMEDIATE COGNITIVE RETRAINING****0.5 - 1.5 UNITS***Intermediate Cognitive Retraining is designed for students who have sustained and acquired brain impairment. Instruction focuses on the use of compensatory memory strategies, utilizing critical thinking/ problem solving skills and improving organizational skills. Arranged schedule.*

Prerequisite: Verified brain impairment.

62754 TBA Miller R SAC M-105 Full Semester

**SPECIAL SERVICES N95, COGNITIVE RETRAINING - ACADEMIC TRANSITION****0.5 - 1.5 UNITS***Cognitive Retraining - Academic Transition is designed for students who have sustained an acquired brain impairment. Instruction focuses on utilizing and applying cognitive skills in the areas of reading, written language and study skills strategies to achieve success in an academic program. Arranged schedule.*

Prerequisite: Verified brain impairment

62825 TBA Miller R SAC M-105 Full Semester

**SPEECH COMMUNICATION****(See Communication Studies)****SPEECH LANGUAGE PATHOLOGY ASSISTANT****SPEECH LANGUAGE PATHOLOGY ASSISTANT 118, INTRODUCTION TO SPEECH-LANGUAGE PATHOLOGY ASSISTING****1 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.*

62771 5:00p-5:55p Tu Porter M SAC I-202 Full Semester

**SPEECH LANGUAGE PATHOLOGY ASSISTANT 119, SPEECH-LANGUAGE AND HEARING DEVELOPMENT ACROSS THE LIFE SPAN****3 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.*

62677 6:00p-9:10p Tu Auzenne L SAC I-104 Full Semester

**SPEECH LANGUAGE PATHOLOGY ASSISTANT 120, SPEECH-LANGUAGE PATHOLOGY CLINICAL MANAGEMENT AND PROCEDURES****2 UNITS***Organizational and functional skills required in the speech-language pathology workplace. Includes interdisciplinary and supervisory relationships, client and public interaction, safety issues, technical writing, data collection, record keeping and computer applications.*

Prerequisite: Speech Language Pathology Assistant 118 with a grade of C or better.

62772 6:00p-8:05p Tu Porter M SAC I-202 Full Semester

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

Connect with people and  
make a difference . . . Santa Ana College's**SPEECH-LANGUAGE PATHOLOGY ASSISTANT PROGRAM (SLPA)****A PROGRAM IN A HELPING PROFESSION**

Explore this rewarding, fulfilling career.

SLP Assistants will be trained to help children and adults improve their communication skills.

Contact the SLPA Department for more information,  
714-564-6668.**SPEECH LANGUAGE PATHOLOGY ASSISTANT 150, OBSERVATION OF SPEECH-LANGUAGE PATHOLOGY CLINICAL PRACTICES****0.5 UNIT***Beginning clinical observation of practices and procedures required in speech-language pathology. Observation sites will be both educational and medical.*

Prerequisite: Speech Language Pathology Assistant 118 with a grade of C or better and concurrent enrollment in Speech Language Pathology Assistant 160.

62773 5:00p-5:55p M Porter M SAC I-202 Full Semester  
Section 62773 Mandatory on-campus meetings: 8/27, 10/1, 11/5, 12/10.**SPEECH LANGUAGE PATHOLOGY ASSISTANT 160, INTRODUCTION TO COMMUNICATIVE DISORDERS AND TREATMENT****3 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.*

62749 5:00p-8:10p M Miller R SAC I-202 Full Semester

**SPEECH LANGUAGE PATHOLOGY ASSISTANT 180, SPEECH-LANGUAGE PATHOLOGY SCREENING PROCESSES AND INTERVENTION PROCEDURES****3 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, 150 and 160 with grade of C or better.

62742 6:00p-9:10p Tu Greenhalgh P SAC I-108 Full Semester  
6:00p-8:00p Th Greenhalgh P SAC I-108**SPEECH LANGUAGE PATHOLOGY ASSISTANT 190, SPEECH-LANGUAGE PATHOLOGY ASSISTANT CLINICAL FIELD WORK I****2 UNITS***Application of supervised clinical practice procedures as required of a speech-language pathology assistant in an educational setting.*

Prerequisite: Speech Language Pathology Assistant 120, 150, 160; concurrent enrollment in Speech Language Pathology Assistant 180; Application to Department Coordinator required prior to enrollment; Current TB Clearance; Fingerprinting and background check; Current CPR and First Aid Certification.

62774 5:00p-5:55p Th Porter M SAC I-202 Full Semester  
Section 62774 Mandatory on-campus meetings: 8/30, 10/4, 11/1, 12/13.**SPEECH LANGUAGE PATHOLOGY ASSISTANT 250, SPEECH-LANGUAGE PATHOLOGY ASSISTANT CLINICAL FIELDWORK II****2 UNITS***Advanced application of clinical practice procedures in a clinical or medical setting by the speech-language pathology assistant under the supervision of a speech-language pathologist.*

Prerequisite: Speech Language Pathology Assistant 180, 190. Application to Department Coordinator required prior to enrollment; current TB Clearance; Fingerprinting and background check; current CPR and First Aid Certification.

62775 5:00p-5:55p W Porter M SAC I-202 Full Semester  
Section 62775 Mandatory on-campus meetings: 8/29, 10/3, 11/7, 12/12.**Can't find the class you need?****It may be waiting for you at  
Santiago Canyon College!****View SCC's class schedule at  
[www.sccollege.edu/schedule](http://www.sccollege.edu/schedule)****Hurry! Class sizes are limited.**

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

## TUTORIAL LEARNING CENTER

The SAC Tutorial Learning Center offers FREE tutoring to students taking courses through RSCCD. The Center, located in U-202, provides a variety of tutorial programs and services to help students maximize their learning potential. Tutoring takes place in both one-to-one and small group settings; exam reviews are offered on occasion for some subjects. You can schedule a tutoring appointment by calling 714-564-6260, or by visiting U-202. Investigate the TLC today to see how it can benefit you!

## STUDY SKILLS

### STUDY SKILLS 091, EFFECTIVE STUDY TECHNIQUES 1 UNIT

A short-term course designed to teach effective college study skills. Topics include time management, textbook study, lecture notetaking, test taking strategies, exam preparation.

63392	8:00a-8:50a	F	Staff	SAC I-104	Full Semester
63393	12:00p-12:50p	Th	Coffman J	SAC I-102	Full Semester
63391	1:00p-3:05p	Tu	Campos J	SAC L-202	10/23-12/11
63390	1:00p-3:00p	Tu	Campos J	SAC L-202	08/28-10/16

### STUDY SKILLS 109, COLLEGE LEARNING SKILLS 3 UNITS

Development of operative college learning skills. Topics include: Time Management, Listening, Notetaking, Textbook Study, Exam Preparation, Memory Techniques, and Critical Reading.

63389			Norwood J	SAC WEB	Full Semester
Section 63389 Online instruction. Students enrolled must attend one Mandatory Orientation on Monday, August 27th from 12:00p-1:00p or on Tuesday, August 28th from 6:00p-7:00p. Both Orientations will take place in L-225.					

63384	9:30a-10:55a	M	Coffman J	SAC HYBRID	Full Semester
Section 63384 Combines online instruction plus mandatory on-campus meetings: Mondays 9:30a-10:55a, SAC I-101. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
63383	9:00a-12:10p	F	Sanchez G	SAC I-106	Full Semester
63385	11:00a-12:25p	Tu Th	Sanchez G	SAC A-210	Full Semester
63386	11:30a-12:55p	M W	Sanchez G	SAC I-103	Full Semester
63387	1:00p-2:25p	Tu Th	Sanchez G	SAC I-103	Full Semester
63388	6:00p-9:10p	M	Conner M	SAC I-206	Full Semester

## TV/VIDEO COMMUNICATIONS

### TV/VIDEO COMMUNICATIONS 009, TELEVISION/VIDEO COMMUNICATIONS LABORATORY 0.5 UNIT

Sign-in/out supervised work on television projects/production assigned in TV/Video Communications classes 110 or above or on independent projects. Completion of new assignments each semester. Accumulation of 24 hours earns 0.5 unit. Requires concurrent enrollment in courses 110 or above.

61673	TBA		Schultz R	DMC-135	Full Semester
Requires concurrent enrollment in TV/Video 110 or above					

### TV/VIDEO COMMUNICATIONS 010, TELEVISION/VIDEO COMMUNICATIONS ADVANCED LABORATORY 0.5 UNIT

Sign-in/out supervised work on advanced television projects/production assigned in TV/Video Communications classes 110 or above 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 classes Television/Video Communications 110 or higher.

61676	TBA		Schultz R	DMC-135	Full Semester
Requires concurrent enrollment in TV/Video 110 or above					

### TV/VIDEO COMMUNICATIONS 100, INTRODUCTION TO ELECTRONIC MEDIA: TV, RADIO, FILM, AND THE INTERNET 3 UNITS

Survey of historical development, impact, and business practices of TV, Radio, Film, and the Internet. Emphasizes career opportunities and basic studio operations.

61677	11:00a-12:25p	M W	Bales T	SAC A-210	Full Semester
-------	---------------	-----	---------	-----------	---------------



### TV News

Auditions and orientation for SAC-TV's cable newscasts "Around & About OC" and "Noticiero Latino" will be held Tuesday, August 28 at 11 am at the new Digital Media Center, 1300 S. Bristol, Room DMC-135, Santa Ana. Sign up for TV/Video 130 to be involved or call 714-241-5778.

### TV/VIDEO COMMUNICATIONS 104, HISTORY OF FILM FROM 1945 TO PRESENT 3 UNITS

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

61678	1:00p-4:10p	W	Bales T	SAC A-210	Full Semester
-------	-------------	---	---------	-----------	---------------

### TV/VIDEO COMMUNICATIONS 105, MASS MEDIA AND SOCIETY 3 UNITS

Exploration of the history, effects, and role of mass media in U.S. society. Examines major media forms (TV, radio, film, newspapers, magazines, ads, the Internet) in our information-conscious culture.

61679	9:30a-10:55a	M W	Bales T	SAC A-210	Full Semester
-------	--------------	-----	---------	-----------	---------------

### TV/VIDEO COMMUNICATIONS 110, INTRODUCTION TO TELEVISION PRODUCTION 3 UNITS

Introduction to production of television programs and operation of studio and field 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. Prior or concurrent enrollment in TV/Video Communications 100 recommended.

61680	7:00p-10:10p	Tu	Schultz R	DMC-135	Full Semester
	7:00p-10:10p	Th	Schultz R	DMC-135	

### TV/VIDEO COMMUNICATIONS 112, INTRODUCTION TO VIDEO EDITING & POSTPRODUCTION 3 UNITS

Fundamental methods and techniques used to edit video for TV, film, web and multi-media. Hands-on training in basic operation of Final Cut Pro digital non-linear editing system and software. Completion of Television/Video 110 or concurrent enrollment recommended.

61684	7:00p-10:10p	M	Schultz R	DMC-204	Full Semester
3 hours per week arranged					

### TV/VIDEO COMMUNICATIONS 115A, SINGLE-CAMERA PRODUCTION AND EDITING 3 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. Prior or concurrent enrollment in Television/Video Communications 110 and 112 recommended.

61685	7:00p-10:10p	W	Schultz R	DMC-135	Full Semester
3 hours per week arranged					

### TV/VIDEO COMMUNICATIONS 130, PRINCIPLES OF BROADCAST NEWS 3 UNITS

Introduction to broadcast journalism 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.

61686	11:00a-11:50a	Tu Th	Bales T	DMC-135	Full Semester
	12:00p-1:25p	Tu Th	Bales T	DMC-135	

### TV/VIDEO COMMUNICATIONS 142, ACTING FOR TELEVISION AND FILM 3 UNITS

Techniques and disciplines of acting as applied to film and television production. Opportunity to practice and perform with emphasis on developing talents and skills required in acting for the screen. (Same as Theatre Arts 113.)

62663	6:00p-7:55p	M	Cannon C	SAC P-105	Full Semester
	8:00p-10:00p	M	Cannon C	SAC P-105	

### TV/VIDEO COMMUNICATIONS 150, PRODUCING AND DIRECTING FOR TELEVISION 3 UNITS

Emphasizes production planning and preparation, aesthetics, budgeting and working with a production team. Practical experience in producing and directing studio and remote productions. Different directing/producing assignments each semester. Prior or concurrent enrollment in Television/Video Communications 110, 112 and 115A recommended.

60495	6:00p-8:55p	M	Sternsheim S	DMC-135	Full Semester
	9:00p-10:10p	M	Sternsheim S	DMC-135	
2 hours per week arranged					

### TV/VIDEO COMMUNICATIONS 230A, BROADCAST NEWS PRODUCTION 4 UNITS

Emphasizes actual live production of a weekly on-air cable newscast using latest newsgathering methodology and equipment. Prior or concurrent enrollment in Television/Video Communications 110 recommended.

Prerequisite: Television/Video Communications 130.					
61687	11:00a-11:55a	Tu Th	Bales T	DMC-135	Full Semester
	12:00p-2:00p	Tu Th	Bales T	DMC-135	
3 hours per week arranged					

### TV/VIDEO COMMUNICATIONS 230B, BROADCAST NEWS PRODUCTION 4 UNITS

Emphasizes actual live production of a weekly on-air cable newscast using latest newsgathering methodology and equipment. Assignments vary in subsequent semesters.

Prerequisite: Television/Video Communications 230A.					
61691	11:00a-11:55a	Tu Th	Bales T	DMC-135	Full Semester
	12:00p-2:00p	Tu Th	Bales T	DMC-135	
3 hours per week arranged					

### TV/VIDEO COMMUNICATIONS 230C, BROADCAST NEWS PRODUCTION 4 UNITS

Emphasizes actual live production of a weekly on-air cable newscast using latest newsgathering methodology and equipment. Assignments vary in subsequent semesters.

Prerequisite: Television/Video Communications 230B.					
61692	11:00a-11:55a	Tu Th	Bales T	DMC-135	Full Semester
	12:00p-2:00p	Tu Th	Bales T	DMC-135	
3 hours per week arranged					



SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**TV/VIDEO COMMUNICATIONS 230D, BROADCAST NEWS PRODUCTION 4 UNITS**  
*Emphasizes actual live production of a weekly on-air cable newscast using latest newsgathering methodology and equipment. Assignments vary in subsequent semesters.*  
 Prerequisite: Television/Video Communications 230C.

61693	11:00a-11:55a	Tu Th	Bales T	DMC-135	Full Semester
	12:00p-2:00p	Tu Th	Bales T	DMC-135	

3 hours per week arranged

**TV/VIDEO COMMUNICATIONS 298, TV/VIDEO COMMUNICATIONS PRACTICUM/INTERNSHIP 3 UNITS**  
*Supervised field work in broadcast writing, announcing, journalism, editing or production at professional sites. Skills assessed before placement to match abilities with employer needs. Concurrent enrollment or completion of one TV/Video Communications production class recommended.*  
 Open Entry / Open Exit

61697	TBA		Bales T	SAC A-210	Full Semester
62833	TBA		Schultz R	DMC-135	Full Semester

## THEATRE ARTS

**THEATRE ARTS 100, INTRODUCTION TO THEATRE 3 UNITS**  
*An introduction to the art and concepts of theatre through a study of modern and historical theories of dramatic structure, playwriting, directing, design, and acting. Attendance at live theatre required.*

62626			Tivenan V	SAC WEB	Full Semester
Section 62626 Login to BLACKBOARD for instructions during Week 1. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
62627	9:30a-10:55a	Tu Th	Tivenan V	SAC P-105	Full Semester
Section 62627 Login to BLACKBOARD for instructions during Week 1. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
62628	9:30a-10:55a	MW	Cannon C	SAC P-105	Full Semester

**THEATRE ARTS 110, ACTING FUNDAMENTALS 3 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.*

62661	11:15a-1:20p	M	Cannon C	SAC P-105	Full Semester
	11:15a-12:15p	W	Cannon C	SAC P-105	
	12:20p-1:20p	W		SAC P-105	

**THEATRE ARTS 111, INTERMEDIATE ACTING 3 UNITS**  
*Further study in the art of acting for the stage, investigating in-depth character study, role portrayal, special problems, and personal technique. Acting skills developed through use of exercises, monologues, and scenes from contemporary theatre.*  
 Prerequisite: Theatre Arts 110.

63353	1:00p-3:00p	Tu	Cannon C	SAC P-105	Full Semester
	1:00p-1:55p	Th	Cannon C	SAC P-105	
	2:00p-3:00p	Th		SAC P-105	

**THEATRE ARTS 113, ACTING FOR TELEVISION AND FILM 3 UNITS**  
*Techniques and disciplines of acting as applied to film and television production. Opportunity to practice and perform with emphasis on developing talents and skills required in acting for the screen. (Same as Television/Video Communications 142.)*

62662	6:00p-7:55p	M	Cannon C	SAC P-105	Full Semester
	8:00p-10:00p	M	Cannon C	SAC P-105	

## THEATRE AUDITIONS

### Production Title to be announced

Auditions: August 29 & 30 at 7:00pm  
 Callbacks: August 31 at 7:00pm  
 Santa Ana College, Phillips Hall, room 108

To be cast in this production an audition is required. Enrollment in THEA 150 is a requirement for anyone who has been successfully cast in a role.

For more information contact Assistant Professor  
 Chris Cannon at [cannon\\_chris@sac.edu](mailto:cannon_chris@sac.edu) or  
 714-564-5666.

SECTION	TIME	DAYS	INSTRUCTOR	LOCATON / ROOM	DATES
---------	------	------	------------	----------------	-------

**THEATRE ARTS 133, STAGE LIGHTING 3 UNITS**  
*Theory and practice of modern stage lighting including the design of lighting layouts, properties of varied conventional lighting instruments, and the hang and focus of lighting equipment for college productions.*  
 Prerequisite: Theatre Arts 131.

63053			Small S	SAC WEB	Full Semester
-------	--	--	---------	---------	---------------

Section 63053 Online instruction plus arranged lab hours each week on campus in P-100.  
 Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

**THEATRE ARTS 150, THEATRE PRODUCTION 2 UNITS**  
*Practical experience in performance production or technical production culminating in a series of public performances. Students desiring an acting role must audition.*

63054	TBA		Cannon C	SAC P-100	08/27-10/19
-------	-----	--	----------	-----------	-------------

Section 63054 CAST: Audition Required: Aug. 29 & 30, 7:00p Technical students should contact Valinda Tivenan for specific schedules. (tivenan\_valinda@sac.edu).

**THEATRE ARTS 152, TOUR ENSEMBLE 2 UNITS**  
*Acting ensembles providing performance experience for advanced students. Audition required.*

64381	1:00p-2:00p	TuTh	Cannon C	SAC P-105	Full Semester
	2:00p-3:00p	Tu	Cannon C		
	1:00p-3:00p	Th			

**THEATRE ARTS 165, INTRODUCTION TO INTELLIGENT LIGHTING 2 UNITS**  
*The fundamental study of intelligent lighting equipment to include a variety of state of the art lighting fixtures and programming/control consoles. Basic skills in control and programming are emphasized.*

63052			Tivenan V	SAC WEB	Full Semester
-------	--	--	-----------	---------	---------------

Section 63052 Online instruction plus mandatory on campus arranged lab hours in P-100.  
 Go to [www.sac.edu/disted](http://www.sac.edu/disted) for more information.

## VIETNAMESE

**VIETNAMESE 101, ELEMENTARY VIETNAMESE I 5 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. Sixteen additional hours in the Modern Language Lab required. (One hour per week for 16-week semester sessions and two hours per week for 8-week summer sessions.)*

**16 lab hours required, one hour per week for 16-week semester.**

61368	7:00p-9:30p	MW	Le V	SAC D-205	Full Semester
-------	-------------	----	------	-----------	---------------

**VIETNAMESE 102, ELEMENTARY VIETNAMESE II 5 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. Sixteen additional hours in the Modern Language Lab required. (One hour per week for 16-week semester sessions and two hours per week for 8-week summer sessions.)*  
 Prerequisite: Vietnamese 101.

**16 lab hours required, one hour per week for 16-week semester.**

61369	7:00p-9:30p	Tu Th	Tran D	SAC D-214	Full Semester
-------	-------------	-------	--------	-----------	---------------

## WELDING

**WELDING 008, OXYACETYLENE-ARC WELDING 3 UNITS**  
*Technical knowledge and basic skills needed for occupational oxyacetylene and arc welding processes and applications. Students must furnish safety equipment. (Same as Automotive Technology 008 and Diesel 008.)*

63749	8:30a-12:10p	Tu Th	Moreno G	SAC K-101	Full Semester
63757	6:00p-9:40p	Tu Th	Moreno G	SAC K-101	Full Semester

**WELDING 020, WELDING LABORATORY 0.5 UNIT**  
*Independent practice for advanced knowledge and skills development in specific areas of welding technology. Students furnish own equipment.*  
 Prerequisite: Concurrent enrollment in any welding course required.

63765	12:15p-1:40p	Tu	Moreno G	SAC K-101	Full Semester
63766	3:30p-4:55p	W	Moreno G	SAC K-101	Full Semester

**WELDING 025, INTERMEDIATE ARC WELDING 3 UNITS**  
*This is a course designed to improve the student's previously acquired arc welding skills and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using the shielded metal arc welding process E-7018 (SMAW).*  
 Prerequisite: Welding 008, satisfactory completion of proficiency exam in arc welding skills, and concurrent enrollment in Welding 020.

64132	6:00p-9:30p	F	Staff	SAC K-101	Full Semester
	8:00a-11:50a	Sa	Staff	SAC K-101	

**WELDING 029, ADVANCED ARC WELDING** **3 UNITS**

*Provides advanced manipulative skills and technical knowledge needed to pass a 1" plate guided bend test required for structural steel certification.*

Prerequisite: Welding 008, satisfactory completion of proficiency exam in arc welding skills, and concurrent enrollment in Welding 020.

63752	8:30a-12:10p	Tu Th	Moreno G	SAC K-101	Full Semester
63758	6:00p-9:40p	Tu Th	Moreno G	SAC K-101	Full Semester
63762	6:00p-9:40p	M W	Moreno G	SAC K-101	Full Semester

**WELDING 039, INERT GAS WELDING** **4 UNITS**

*Gas shielded welding, TIG and MIG welding of aluminum, mild and stainless steel. Students to furnish protective safety devices.*

Prerequisite: Welding 008 and concurrent enrollment in Welding 020.

63753	8:00a-12:10p	Tu Th	Moreno G	SAC K-101	Full Semester
63759	5:30p-9:40p	Tu Th	Moreno G	SAC K-101	Full Semester
63763	5:30p-9:40p	M W	Moreno G	SAC K-101	Full Semester

**WELDING 040, WELDING CERTIFICATION TRAINING** **3 UNITS**

*This is an advanced course that will provide lecture and hands-on practice in welding in multiple areas of certification using SMAW (shielded metal arc welding) as well as in FCAW (flux cored arc welding). The student will focus on welding in the vertical and overhead position and the preparation of test plates.*

Prerequisite: Welding 008, satisfactory completion of proficiency exam in arc welding skills, and concurrent enrollment in Welding 020.

W 63754	8:30a-12:10p	Tu Th	Moreno G	SAC K-101	Full Semester
W 64133	6:00p-9:30p	F	Staff	SAC K-101	Full Semester
	8:00a-11:50a	Sa	Staff	SAC K-101	
63760	6:00p-9:40p	Tu Th	Moreno G	SAC K-101	Full Semester
63764	6:00p-9:40p	M W	Moreno G	SAC K-101	Full Semester

**WELDING 041, WELDING CERTIFICATION EXAM PREPARATION** **3 UNITS**

*This practical course is for advanced welding students. Instruction will cover design, prequalified base/filler material, procedure/welder qualifications, fabrication essentials, and testing as specified by American Welding Society (AWS D1.1) Structural Code specifications leading to Los Angeles City or AWS welding certifications.*

Prerequisite: Welding 008 or 098, Intermediate Arc Welding or Welding 025.

W 64134	8:00a-11:10a	Sa	Staff	SAC K-115	Full Semester
---------	--------------	----	-------	-----------	---------------

## WOMEN'S STUDIES

**WOMEN'S STUDIES 101, INTRODUCTION TO WOMEN'S STUDIES** **3 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.*

61373	9:45a-11:10a	Tu Th	Govea M	SAC D-304	Full Semester
61374	7:00p-10:10p	Th	Govea M	SAC I-201	Full Semester

## FIRST CLASS MEETING

Make sure you attend the first class meeting!

Attendance at the first meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.

## Academic Planning Questions?

[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

## Online Counseling Now Available!

[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)



**SAC IS TOBACCO-FREE**

Use of tobacco-related products is allowed only in parking lots.

## Can't find the class you need?

It may be waiting for you at  
**Santiago Canyon College!**

View SCC's class schedule at  
[www.sccollege.edu/schedule](http://www.sccollege.edu/schedule)

**Hurry! Class sizes are limited.**

**Be the First to Know!**

Sign up for SAC's mobile alert emergency notification system.

Text SAC to 253788 (AlertU) and reply Y  
Or sign up online at [www.alertu.org/sac](http://www.alertu.org/sac)

Text messages sent only in emergencies  
No spam ■ Standard text message rates apply

# AlertU

# Be connected – stay connected

Keep up to date on campus news.  
Connect with friends on campus.

Become a  
Facebook Fan



Like us on  
Facebook



<http://www.facebook.com/SantaAnaCollege>



Follow SAC  
on Twitter



<http://twitter.com/SantaAnaCollege>



Do you know where your

## STUDENT SERVICES FEES

# go?

Your fees go to fund these programs and services or to give you discounts:

- Amusement Park Discounts
- ASG Book Loan Program
- Athletic Event Discounts
- Gameroom
- Inter Club Council
- Math Study Center
- Movie Theatre Discounts
- Student Activities Office
- Student Leadership Programs (ASG)
- Transfer Center
- Tutorial Center

Additionally, the Student Services Fee supports academic, cultural, and social programs and activities.

## Student Activities for Fall 2012

Sponsored by Associated Student Government (ASG) and Inter-Club Council (ICC) of Santa Ana College

### AUGUST

ASG APPLICATIONS AVAILABLE

### SEPTEMBER

WELCOME BACK EVENTS  
NATIONAL HISPANIC HERITAGE MONTH  
MEXICAN INDEPENDENCE DAY  
CLUB RUSH  
CONSTITUTION DAY

### OCTOBER

BLOOD DRIVE  
RED RIBBON WEEK  
HALLOWEEN FESTIVITIES  
STUDENT LEADERSHIP INSTITUTE

### NOVEMBER

HOMECOMING WEEK  
NATIVE AMERICAN HERITAGE MONTH  
HOLIDAY DRIVE  
INTERNATIONAL FESTIVAL

### DECEMBER

WORLD AIDS DAY  
OPERATION SANTA  
ASSOCIATED STUDENTS RECOGNITION CEREMONY

## SANTA ANA COLLEGE FOUNDATION

Established in 1968 and reactivated in 1998, the Santa Ana College Foundation is a non-profit 501(c)3 organization. The Foundation's mission is to maintain, expand and enhance the educational opportunities at Santa Ana College by linking community organizations, businesses, funding sources, alumni and staff, thus preserving our near century of "A History of Success, A Future of Promise."

Here are some ways you can get involved:

- Help strengthen the Foundation and assist with the college's greatest funding priorities with a gift to our unrestricted fund.
- Donate to the General Scholarship Fund or start your own scholarship to help continuing, transferring and incoming students.

- Support the Ed Arnold Golf Classic to assist the Athletic Hall of Fame and student-athletic scholarships.
- Help ignite the mind of a child with a gift to the "Pathways to the Stars" endowment fund that helps to bring over 16,000 youth to our Tessmann Planetarium for educational programs.
- You can "Leave your Legacy" at SAC through a planned gift for the endowment fund or restricted purpose of your choice.

Please visit our web site at [www.sac.edu/community/foundation.htm](http://www.sac.edu/community/foundation.htm) or call us at 714-564-6091 to learn more about the Santa Ana College Foundation.

# SERVICES FOR STUDENTS

## SERVICE HOURS

### ADMISSIONS/REGISTRATION HOURS

first floor of the Administration Building, S-101.

<b>Santa Ana College</b> .....	<b>714-564-6005</b>
Monday–Thursday .....	8:00 am to 6:45 pm
Friday .....	8:00 am to 4:30 pm
Saturday .....	8:30 am to 12:30 pm <b>on 9/1/12 only</b>

### CASHIER'S OFFICE & PHOTO I.D. HOURS

first floor of Administration Building, Room S-104

<b>Santa Ana College</b> .....	<b>714-564-6965</b>
Monday–Thursday .....	8:00 am to 5:00 pm
Friday .....	8:00 am to Noon
<b>Pay fees on-line <a href="http://www.sac.edu">www.sac.edu</a></b>	

### BOOKSTORE HOURS (subject to change)

located on first floor of Johnson Campus Center

<b>Santa Ana College Bookstore</b> .....	<b>714-564-6435</b>
Monday–Thursday .....	8:00 am to 7:30 pm
Friday .....	8:00 am to 12:30 pm
Saturday .....	9:00 am to 2:00 pm <b>on 8/25/12 only</b>

### BOOKSTORE CHECK CASHING POLICY

Personal checks made payable to SAC 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 **VENDING** machine located in Cesar Chavez Building and at the Don Express.

### LIBRARY HOURS

<b>Santa Ana College Nealley Library</b> .....	<b>714-564-6700</b>
Monday–Thursday .....	8:00 am to 8:00 pm
Friday .....	9:00 am to 1:00 pm
Saturday/Sunday .....	Closed

### LIBRARY USE POLICY

Current enrollment and a valid photo I.D. card is required to check out materials.

### CAFETERIA HOURS

located on second floor of Johnson Campus Center

<b>Santa Ana College</b>	
Monday - Thursday .....	7:30 am to 8:30 pm
Friday (CLOSED FRIDAYS DURING SUMMER) .....	7:30 am to 1:00 pm

### DON EXPRESS HOURS (subject to change)

Snacks, sandwiches, drinks, school supplies, test forms, and magazines.

### Santa Ana College

located between Dunlap Hall and Phillips Hall

Monday–Thursday .....	7:30 am to 7:30 pm
-----------------------	--------------------

## SERVICE PROGRAMS

### ASSOCIATED STUDENTS

**SAC Johnson Center, Room U-100C** ..... **714-564-6208**

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

### CAREER/JOB RESOURCE CENTER

**SAC Library Building 2nd floor, Room L-225** ..... **714-564-6254**

The SAC Career/Job Resource center offers access to computerized resources and hard copy information on careers, training programs, and job resource services as well as workshops. Individuals and entire classes can utilize the center to explore careers keyed to interests, skills, personality, and values. Information is available on employment trends and salaries, locally, nationally, and on the international level.

The Career/Job Resource Center provides all the resources necessary for students to find a satisfying major, set career goals, and obtain successful employment.

### UNDECIDED MAJORS 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. Workshops are **open to the community**. 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 Job Search Techniques. Call for dates and times.

### 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 SAC 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** 714-564-7544

### COMMUNITY SERVICES

**SAC Administration Building, S-204** ..... **714-564-6594**  
**Also at [www.sac.edu/cms](http://www.sac.edu/cms)** ..... **FAX 714-564-0240**

The Community Services 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

**SAC Administration Building, 1st Floor, Room S-110** ..... **714-564-6100**  
**Centennial Education Center** ..... **714-241-5720**

RSCCD 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: [www.sac.edu/students/counseling/services.htm](http://www.sac.edu/students/counseling/services.htm).

# ... SERVICES ...

## SERVICE PROGRAMS (continued)

### DISABLED STUDENTS PROGRAMS AND SERVICES (DSPS)

Santa Ana College is committed to equal access and opportunity for individuals with disabilities. The DSPS program provides academic accommodations and support services to minimize disability related barriers. Individualized programs are designed to enable students to compete academically on the equal basis with their non-disabled peers. Please contact any of the DSPS departments listed below and we will gladly answer your questions.

#### DSPS MAIN OFFICE/PHYSICAL DISABILITIES

**SAC Russell Hall, Room R-101** .....714-564-6295

Services include; intake & verification of disability status, referrals to other DSPS programs on campus, academic advisement, registration assistance, elevator cards, mobility and learning assistance.

#### ASSISTIVE TECHNOLOGY CENTER

**SAC Johnson Center, Room U-103** .....714-564-6260

The center provides computer assisted instruction through the use of assistive technology for disabled students.

#### COMMUNICATIONS DISABILITIES/ ACQUIRED BRAIN IMPAIRMENT PROGRAM

**SAC Planetarium, Room M-105** .....714-564-6283

**TTY** .....714-564-6347

Students with verifiable communication disabilities or acquired brain impairments can receive assistance with program planning, registration, assessment, and computer assisted instruction.

#### DEAF and HARD OF HEARING PROGRAM

**SAC Johnson Center, Room U-107** .....714-564-6283

**TTY/TDD** .....714-564-6284

Sign language, interpreters, note taking supplies, assistive listening devices are provided for deaf and hard of hearing students.

#### LEARNING DISABILITIES

**SAC Johnson Center, Room U-103** .....714-564-6260

**Centennial Education Center, Room D-101** .....714-564-5135

A program for students with learning deficits severe enough to affect classroom performance. Program includes assessment, tutoring, and special classes.

#### PSYCHOLOGICAL DISABILITIES

**SAC Johnson Center, Room U-103** .....714-564-6260

The Psychological Disabilities Program is designed to support and assist students with mental and emotional disorders who are attempting to function more independently.

#### WORKABILITY III

**SAC Library Building, Room L-220** .....714-564-6255

The objective of this program is to provide work readiness activities, job development, and job placement for students with disabilities.

### EXTENDED OPPORTUNITY PROGRAM AND SERVICES (EOPS)

**SAC Johnson Center Room U-101** .....714-564-6232

**Hours: Mon.-Thur. 8:00 am-6:30 pm, Fri. 8:00 am-12:00 noon**

The Extended Opportunity Program & Services (EOPS) is a statewide program created to provide opportunities and services to underserved 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. EOPS also houses the CARE program, which provides additional support services for single parents with children under the age of 14. For more information and eligibility criteria, please stop by or call the EOPS office at one of the above locations and/or numbers listed.

### FINANCIAL AID

**SAC Johnson Center, Room U-221** .....714-564-6242

**Hours: Mon.-Wed. 8:00 am-5:00 pm, Thur. 8:00 am-6:45 pm,**

**Fri. 8:00 am-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 Board of Governors Fee Waiver, Cal Grant programs, Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Work-Study and Stafford Loans. Since the application process can take a number of weeks, students are encouraged to Complete the Free Application for Federal Student Aid (FAFSA) in early Spring (January-May) for the following Fall semester. In addition to the FAFSA, applicants for financial aid will be notified if any additional documents are needed to complete their application.

**REMINDER: IT IS NOT TOO LATE TO APPLY!** You could still qualify for financial aid for Fall and Spring. Complete the Free Application for Federal Student Aid now! Contact the Financial Aid Office for further details.

### HEALTH AND WELLNESS CENTERS

**SAC Johnson Center, Room U-120** .....714-564-6216

**(Hours: Mon.-Thur. 9:00 am-7:00 pm)**

Currently enrolled students who have paid the Health Fee are eligible to use the services available in the Health Centers. A Registered Nurse is available at all times. Physicians, Psychologists, and doctoral level Psychology Interns are available by appointment only. Services include but are not limited to: first-aid, diagnosis and treatment of acute illness, pap smears, low cost birth control pills and condoms, emergency contraception, hearing and vision screening, and psychological services.

**PSYCHOLOGICAL SERVICES** – Currently enrolled students who have paid the Health Fee are invited to visit the Santa Ana College Health Center for individual and group counseling, on a short-term basis, for personal problems, stress, and low self-esteem, as well as other mental health concerns. If appropriate, referrals are made to community agencies. Appointments can be made by calling or visiting the Health Center location listed above. Classes relating to mental health issues which provide education and support, are also offered by Psychological Services (see class schedule under Special Services).

### MESA (Math, Engineering, & Science Achievement)

**SAC Administration Building, Room S-107** .....714-564-6373

MESA is an academic program designed to support educationally disadvantaged community college 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, and scholarships.

**Academic Planning Questions?**

[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)

**Online Counseling Now Available!**

[www.sac.edu/online\\_counseling](http://www.sac.edu/online_counseling)



# ... SERVICES ...

## SERVICE PROGRAMS (continued)

### SCHOLARSHIP PROGRAM

**SAC Administration Building, Room S-204** .....714-564-6478  
**Hours: Mon.-Thur. 8:30 am-4:00 pm**

The SAC Scholarship Program offers scholarships to incoming, continuing and graduating/transferring SAC students. The program opens during the first week of November and closes the first week in March. Information and application packets are available in the Scholarship Program office. Awards are announced during a special ceremony in May and funds are available for the following fall semester. Help in how to apply for scholarships is also available.

The Scholarship Program is also available to work with interested business, corporations and individuals to establish new scholarships. Scholarships can be structured to meet the wishes and parameters of the donor and may be given one-time only, in memoriam, in perpetuity, or on an annual renewable basis. For more specific information about the SAC Scholarship Program, contact the Scholarship Program directly at 714-564-6478.

### SERVICE LEARNING

**SAC Johnson Center, Room U-100A** .....714-564-6362

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 PLACEMENT

**SAC Johnson Center, Room U-222** .....714-564-6201  
**Hours: Mon.-Thur. 8:00 am-5:00 pm, Fri. 9:00 am-12:00 noon**

The Student Placement Office assists currently enrolled students in obtaining on-campus student assistant/work study employment. The Student Placement Office also provides housing listings placed by members of the community.

### STUDENT SUPPORT SERVICES PROGRAM (TRIO)

**SAC Johnson Center, Room U-102B** .....714-564-6843  
**Hours: Mon.-Thur. 8:00 am-5:00 pm, Fri 8:00 am-12:00 noon**

The Student Support Services Program (TRIO) is a federally funded program designed to improve the retention, transfer and graduation rate of low income, first-generation and disabled college students. The SSS program provides students with academic, personal and career counseling, tutoring, specialized workshops, field trips and assistance in transferring to a four-year university.

### TEACHER EDUCATION CENTER

**SAC Administration Building, Room S-110** .....714-564-6352

The Center for Teacher Education is a resource center which offers information, academic advisement, and support for students interested in pursuing a career in teaching with an emphasis in preparing students for employment in local public elementary and secondary schools.

### UNIVERSITY TRANSFER CENTER

**SAC Administration Building, Room S-110** .....714-564-6165

The University Transfer Center provides information and assistance to students preparing for transfer to baccalaureate granting institutions. Transfer services include appointments with university representatives and college fairs at Santa Ana College, as well as in-state and out-of-state university field trips. Our *Counseling N45 Orientation to College* program informs both parents and students about the transfer process and how to successfully achieve their academic goals. Additional information sessions focus on UC and CSU admissions, guarantee transfer programs, scholarships and internship opportunities. Students may also use our computers to access a complete digital resource library of university catalogs and videos.

### TUTORIAL CENTER

**SAC Johnson Center, Room U-202** .....714-564-6260  
**Hours: Mon.-Wed. 9:00 am-6:00 pm, Thur. 9:00 am-4:00 pm, Fri. 9:00 am-12:00 noon**

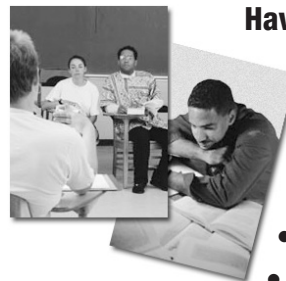
Free tutoring in a wide variety of subject areas is available at the Tutorial Learning Center. Call or visit the Center to schedule your appointment today. Services include tutoring, group study sessions, exam reviews and study skills information. Make the most of your educational experience at SAC by checking out this valuable resource.

### VETERANS RESOURCE CENTER

**SAC Johnson Center, Room U-103** .....714-564-6050  
**Hours: Mon.-Wed. 9:00 am-7:00 pm, Thurs. 9:00 am-5:00 pm, Fri. 9:00 am-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.

## FALL 2012 PSYCHOLOGICAL SERVICES: GOT STRESS?



Having difficulty with:

- Friends?
- Family?
- Relationships?
- Self-esteem?
- Time Management?
- Test Anxiety?

Psychological Services are available to ensure that students have the support as needed while working on their educational/career goals at Santa Ana College. A team of psychologists and interns can help students find solutions to life problems through individual or group counseling.

All services are confidential. Services are free to currently enrolled students. Come visit us at the Student Health and Wellness Center on the first floor of the Johnson Center (U-120) or call 714-564-6261.

**For individual psychological  
counseling appointments contact:**

**Santa Ana College Health Center  
714-564-6216  
Johnson Center, Room U-120**

# ACADEMIC PLANNING . . .

## 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 course-work, background or abilities which adequately prepare the student for the course. A Prerequisite Challenge Form can be obtained from the appropriate division office. Prerequisites may be challenged for one or more of the following reasons:

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

The challenge will be reviewed by a committee consisting of the 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.

### RSCCD ASSESSMENT INFORMATION COURSE EXCEPTION LIST

**GROUP I** - The courses listed below do not have advisory reading levels and are **EXEMPT** from participation in the matriculation process (orientation, assessment, advisement, and counseling). However, students are encouraged to complete assessment and other matriculation services (see page 10).

**MUSIC** - Music 113AB, 114AB, 115ABCD, 132, 133, 134, 135, 136, 141, 171, 175, 176, 215ABCD, 241

**GROUP II** - The courses listed below have advisory reading levels and are **EXEMPT** from participation in the matriculation process (orientation, assessment, advisement, placement, and follow-up). However, students are encouraged to complete assessment and other matriculation services (see page 10).

**ACCOUNTING** - All Accounting Courses

**APPRENTICESHIP** - All Apprenticeship Courses

**ART** - Art 119, 121AB, 122, 124, 128, 130, 131, 140AB, 141, 143, 151, 151, 153, 155, 156, 160, 161, 171, 175A, 182, 183, 184AB, 186, 196AB, 197AB, 221, 230, 231, 232, 233, 234, 240, 241, 242, 243, 250, 251, 282, 283, 296, 298

**BANKING** - All Banking Courses

**BUSINESS** - All Business Courses

**COMPUTER SCIENCE** - All Computer Science Courses

**CONTINUING EDUCATION NURSING** - All Continuing Education Nursing Courses

**DANCE** - Dance 112, 201AB, 202, 204AB, 205, 206AB, 209, 210, 213, 214, 215AB, 216, 219AB, 220, 221, 230, 232, 240, 260, 298

**DRAFTING TECHNOLOGY** - All Drafting Technology Courses

**ENGINEERING** - All Engineering Courses

**ENVIRONMENTAL STUDIES** - All Environmental Studies Courses

**FIRE ACADEMY** - All Fire Academy Courses

**FRENCH** - French 101, 195, 201 & 202

**KINESIOLOGY** - Kinesiology Activities, Kinesiology Adaptive Activities, Kinesiology Aquatics, Kinesiology Fitness, Kinesiology Intercollegiate Athletics

**MANUFACTURING TECHNOLOGY** - All Manufacturing Technology Courses

**MANAGEMENT & MARKETING** - All Management & Marketing Courses

**MUSIC** - Music 121, 122, 123, 124, 161, 162, 163, 164, 165, 185, 186, 187, 188, 213, 214, 215, 216, 217

**PHOTOGRAPHY** - Photography 165, 180, 181, 182, 183, 195, 200, 292, 293, 294

**PUBLIC WORKS** - All Public Works Courses

**SPANISH** - Spanish 101, 201, & 202

**TELEVISION/VIDEO PRODUCTION** - Television/Video Production 111, 112, 114, 141, 142, 150, 160, 181, 182, 185, 186, 211, 280, 298

**THEATRE ARTS** - Theatre Arts 112, 113, 131, 132, 133, 135, 150, 230, 235, 250, 280

**TRAVEL AND TOURISM** - All Travel and Tourism Courses

**WATER UTILITY SCIENCE** - All Water Utility Science Courses

**Can't find the class you need?**

**It may be waiting for you at  
Santiago Canyon College!**

**View SCC's class schedule at  
[www.sccollege.edu/schedule](http://www.sccollege.edu/schedule)**

**Hurry! Class sizes are limited.**

# ... PLANNING ...

## EDUCATIONAL OPTIONS — ASSOCIATE DEGREE

### SANTA ANA COLLEGE ASSOCIATE DEGREE REQUIREMENTS

To qualify for an associate degree, the candidate must meet the following requirements:

**COURSES:** Sixty units in the following five 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. 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 79.
- IV. Oral Communication Requirement:** See page 79.

**Note:** The requirements in parts II, III, and IV above 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 at 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.

Courses numbered less than 100 and preceded by “N” are NOT applicable to the Associate Degree.

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

**Residency:** At least 12 units completed at SAC (at least six of the units must be in courses required for the major).

**Petition for Graduation and Catalog Rights:** 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 SAC 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.

#### I. Major Requirements

See the *Instructional Programs* section of the SAC catalog.

#### II. General Education Requirements for the Associate Degree

### Plan A: 2012-2013

**Note:** A single course may be used to meet only one category requirement.

#### A. NATURAL SCIENCES (minimum 3 units)

Anthropology 101, 101L  
Astronomy 109, 110 or 110H, 140  
Biology 109 or 109H, 109L, 115, 149, 177, 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  
Geology 101, 101L, 140, 150 or 150H, 201  
Physical Science 117, 118  
Physics 109, 210, 217, 279  
Science 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  
Criminal Justice 101  
Economics 120, 121  
Geography 100 or 100H, 102 or 102H  
History 101 or 101H, 102 or 102H  
Human Development 107, 110  
Political Science 101 or 101H  
Psychology 100 or 100H  
Sociology 100 or 100H

#### C. HUMANITIES (minimum 3 units)

Anthropology 104 or 104H  
Art 100 or 100H, 101, 102, 105, 110  
Communications and Media Studies 103, 111  
Dance 100 or 100H, 105  
English 104 or 104H  
Foreign Language:  
Chinese 101, 102  
French 101, 102, 201 or 201H, 202 or 202H  
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, 233ABCD, 241, 242, 270, 271, 272  
Music 101 or 101H, 102 or 102H, 104, 110, 211  
Philosophy 106 or 106H, 108, 112, 118  
Sign Language 110, 111, 112, 116  
TV/Video Communications 101, 103, 104, 105 or 105H  
Theatre Arts 100, 105

#### D. CULTURAL BREADTH (Three units required from D1 or D2)

##### 1. Ethnic Studies / Women’s Studies

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

##### 2. International Perspective

Anthropology 100 or 100H  
Business 106  
Criminal Justice 209  
Dance 105  
English 271, 272  
Geography 100 or 100H, 102 or 102H  
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.  
Communication Studies 102, 140, 145  
Computer Science 100, 105, 111  
Counseling 144  
English 102 or 102H, 103 or 103H  
Mathematics 080/081, 105, 140, 145, 150, 160, 170, 180 or 180H, 185, 219 or 219H, 280, 290, 295  
Philosophy 110 or 110H, 111, 144  
Reading 102, 150  
Social Science 219 or 219H



# ... PLANNING ...

## ASSOCIATE DEGREE (continued) AND CERTIFICATE PROGRAMS

### 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.

1. Completion of one of the following:  
Business 130  
Counseling 100, 116, 120, 124, 125, 128  
Family & Consumer Studies 120  
Fashion Design Merchandising 103  
Human Development 102, 107  
Interdisciplinary Studies 111, 155  
Kinesiology, Health Education 101, 102, 104, 120  
Kinesiology, Professional 125, 140, 160  
Library and Information Studies 100  
Mathematics 030  
Nutrition & Food 115 or 115H  
Philosophy 111  
Psychology 140, 230  
Sociology 112
2. Completion of one of the following:  
Dance 102, 201A, 201B, 206A, 206B, 219A, 219B  
Kinesiology, Activities 107, 123, 130, 132, 133, 134,  
140, 141, 150, 155, 160, 169, 170, 171, 180,  
185, 200, 202, 210, 211, 220, 226, 227, 231,  
232, 235, 236, 240, 245, 260, 261, 262, 265,  
270, 271, 280, 281, 290, 291, 292  
Kinesiology, Adapted Activities 201, 202, 205, 206,  
208, 211, 220  
Kinesiology, Aerobic Fitness 140, 143, 144, 146,  
150, 155, 156, 157, 158, 160  
Kinesiology, Aquatics 201, 204, 206, 207  
Kinesiology, Fitness 100, 101, 102, 103, 108, 109,  
110, 115, 116, 119, 120, 124, 125, 126, 127,  
128, 145, 147  
Kinesiology, Intercollegiate Athletics 201, 202, 203,  
204, 205, 206, 208, 209, 210, 211, 212, 213,  
214, 215, 216, 217, 218, 219, 220, 221, 222  
Kinesiology, Professional 155, 165, 175, 180, 200

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

**Note:** 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.

### 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

1. Satisfactory score on the SAC/SCC Reading Placement Test at the time of initial placement testing, OR
2. Satisfactory score on a Reading Department Test, OR
3. Successful completion of any Reading course at the 100 level, OR
4. A "C" grade, or better in 9 units of general education courses for the Associate Degree in Areas A (Natural Sciences) - 3 units; B (Social and Behavioral Sciences) - 3 units each in B1 and B2.

#### B. MATHEMATICS

1. Completion of Mathematics 080/081 or any other 3 unit mathematics course numbered above the level of 080/081 **OR**
2. Score on the SAC/SCC mathematics placement test indicating placement in a mathematics course numbered above the level of 080/081.

### 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 (Public Speaking), Communication Studies 140 (Argumentation and Debate), Communication Studies 145 (Group Dynamics), Communication Studies 152 (Oral Interpretation).

### PROFICIENCY EXAMINATIONS FOR THE ASSOCIATE DEGREE

Students may satisfy the English writing, reading, and computational skills required for the Associate Degree by achieving a satisfactory score on the appropriate proficiency test in each skill area or by fulfilling other options as listed under the Associate Degree Requirements in the class schedule.

Students taking the proficiency examinations must be currently enrolled at Santa Ana College or Santiago Canyon College. Students who do not achieve a satisfactory score on the English Writing Proficiency Examination may not rechallenge that examination but must satisfactorily complete an approved course as listed in the graduation requirements.

#### READING PROFICIENCY EXAMINATION (I.D. required)

1. Contact the Reading Center, SAC Dunlap Hall, room 307 and make arrangements to take the Reading Proficiency Exam. Any questions call 714-564-6569

#### MATHEMATICS PROFICIENCY EXAMINATION

1. Contact the Math Study Center, SAC Library, room 204, and make arrangements to take the Math Department Proficiency Examination.

### 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.

**MORE EDUCATIONAL OPTIONS ...**

# CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH (CSU GE)

## Plan B: 2012–2013 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 units of general education at either college in the Rancho Santiago Community College District 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 general education units.
2. No more than 30 semester units may be certified for areas B through D combined which are described in the next section.
3. Credit/No Credit grades are accepted for certification in all areas, however they are not recommended for transfer credit in basic skill areas. (A. Communication in the English Language and Critical Thinking, A1, A2, and A3; and B. The Physical Universe and Its Life Forms, B4.) 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.
4. A single course may not meet more than one general education requirement.
5. 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.)
6. Certification of coursework from other colleges will only be granted to students whose last community college of attendance prior to transfer is Santa Ana.
7. 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.
8. 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 2012 and are valid through Summer 2013.**

### 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. (C minus is not acceptable.)
- A1: Oral Communication**  
Communication Studies 101 or 101H, 102, 103 or 103H, 140, 145
- 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, 144  
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. (C minus is not acceptable.)

**B1: Physical Science**

Astronomy **109, 110 or 110H**  
Chemistry **109, 115, 119, 209, 210, 219 or 219H**  
Earth Science 110 or 110H, **115, 150 or 150H**  
Environmental Studies 140  
Geography 101  
Geology 101, 140, 150 or 150H, **201**  
Physical Science **115, 117**  
Physics **109, 210, 211, 217, 279**

**B2: Life Science**

Anthropology 101  
Biology 109 or 109H, **109L, 115, 139, 149, 177, 211, 212, 214, 229, 239, 259**  
Environmental Studies **259**

**B3: Laboratory Activity**  
Anthropology **101L**  
Astronomy **140**  
Biology **109L, 115, 139, 149, 211, 212, 214, 229, 239, 259**

Chemistry **109, 115, 119, 209, 210, 219 or 219H**  
Earth Science **115**  
Environmental Studies **259**  
Geography **101L**  
Geology **101L, 201**  
Physics **109, 210, 211, 217, 279**  
Physical Science **115, 118**

**B4: Mathematics/Quantitative Reasoning**

Courses must be completed with a grade of "C" or better.  
Mathematics 105, 140, 145, 150, 160, 170, 180 or 180H, 219 or 219H  
Social Science 219 or 219H

**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  
Dance 100 or 100H, 102, 105  
English 233A, 233B, 233C, 233D  
Interdisciplinary Studies 121  
Music 101 or 101H, 102 or 102H, 103, 104, 211  
Photography 150  
Television/Video Communications 103, 104  
Theatre Arts 100, 105

**C2: Humanities: Literature, Philosophy, Languages Other Than English**

Chinese 101, 102  
English 102 or 102H, 206, 220, 231, 232, 233A, 233B, 233C, 233D, 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  
Japanese 101, 102  
Kinesiology, Professional 170  
Philosophy 106 or 106H, 108, 112, 118  
Sign Language 110, 111, 112, 116  
Spanish 101 or 101H, 102 or 102H, 195A, 195B, 201 or 201H, 202 or 202H  
Vietnamese 101, 102

**D. Social Sciences**

(minimum 9 semester/12 quarter units)  
The 9 units selected from this area must include courses from at least 2 different subareas.

**D1: Anthropology and Archeology**  
Anthropology 100 or 100H, 103, 104 or 104H, 105, 125  
English 104 or 104H  
History 105, 125

**D2: Economics**  
Economics 120, 121

**D3: Ethnic Studies**  
Anthropology 125  
Asian American Studies 101  
Black Studies 101  
Chicano Studies 101  
Communication Studies 206 or 206H  
English 245, 278  
Ethnic Studies 101 or 101H, 102 or 102H

### Planning to Transfer?

[www.assist.org](http://www.assist.org)



Your official source for California articulation and student transfer information.

History 123, 124 or 124H, 125, 146

Political Science 235

Psychology 170

**D4: Gender Studies**

Communication Studies 206 or 206H

English 245, 278

History 127, 181

Women's Studies 101, 102

**D5: Geography**

Geography 100 or 100H, 102 or 102H

**D6: History**

Anthropology 105, 125

History 101 or 101H, 102 or 102H, 105, **118, 120** or

**120H, 121 or 121H, 122, 123, 124 or 124H, 125, 127,**

**133, 146, 150, 151, 153, 163**

**D7: Interdisciplinary Social or Behavioral Science**

Biology 200

Communication Studies 103 or 103H

Communications and Media Studies 111

Computer Science 100

Counseling 150

Environmental Studies 200

Human Development 107, 110

Interdisciplinary Studies 117H, 155

Kinesiology, Professional 150

Science 200

Television/Video Communications 105 or 105H

**D8: Political Science, Government, and**

**Legal Institutions**

Political Science **101 or 101H, 200 or 200H, 201, 220,**

**226, 235**

**D9: Psychology**

Human Development 107

Psychology 100 or 100H, 140, 157, 170, 200, 219, 230, 240, 250

Sociology 240

**D10: Sociology and Criminology**

Criminal Justice 101

Sociology 100 or 100H, 112, 140 or 140H

**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, 122, 123, 124 or 124H, 127,

146. These courses (in **bold** in D6 above) 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:**

Communication Studies 104

Counseling 100, 116, 120, 124, 125, 128

Family & Consumer Studies 120

Human Development 107, 229

Interdisciplinary Studies 155

Kinesiology, Health Education 101, 102, 104, 120

Kinesiology, Professional 125

Nutrition and Food 115 or 115H

Psychology 140, 157, 230

Sociology 112

**E2:**

Kinesiology, Activities 107, 130, 132, 140, 150, 155, 160,

169, 170, 180, 185, 200, 202, 210, 220, 226, 235, 240,

245, 260, 265, 270, 280, 290, 292

Kinesiology, Adapted Activities 201, 202, 205, 206, 208, 211,

220

Kinesiology, Aerobic Fitness 140, 143, 144, 150, 155, 156,

158, 160

Kinesiology, Aquatics 201, 204, 206

Kinesiology, Fitness 100, 101, 102, 110, 115, 116, 120, 124,

125, 126, 127, 128, 145, 147

Kinesiology, Intercollegiate Athletics 201, 202, 203, 204, 205,

206, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217,

218, 219, 220, 221, 222

# INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC) Plan C: 2012–2013 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.

- 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.
- Complete all courses used for IGETC certification with a minimum grade of C (C minus is not acceptable).** A "credit" is acceptable providing it is equivalent to a grade of C or higher. The catalog must reflect this policy.
- 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.)
- Prior to requesting certification, have all official transcripts on file from every high school and college you have attended.
- 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.
- 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.
- 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 2012 and are valid through Summer 2013.**

## AREA 1 - ENGLISH COMMUNICATION

**C.S.U.:** 3 courses required, one from each group.

**U.C.:** 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, 103\*\* or 103H\*\*, 140, 145

## AREA 2A - MATHEMATICAL CONCEPTS & QUANTITATIVE REASONING

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

Math 105, 140\*\*, 145, 150\*\*, 170\*\*, 180\*\* or 180H\*\*, 185, 219\*\* or 219H\*\*, 280; Social Science 219\*\* or 219H\*\*

## 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

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

Interdisciplinary Studies 121

Music 101\*\* or 101H\*\*, 102\*\* or 102H\*\*, 103, 104, 111, 211

Photography 150

Television/Video Communications 103, 104

Theatre Arts 100, 105

### Group B: Humanities (minimum 1 course)

Chinese 102

English 102\*\* or 102H\*\*, 206, 220, 231, 232, 233A or 233B or 233C or 233D, 241, 242, 243, 245, 246, 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

Japanese 102

Philosophy 106\*\* or 106H\*\*, 108, 112, 118

Sign Language 111, 112, 116

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

Communication Studies 206\*\* or 206H\*\*

Communications and Media Studies 111

Criminal Justice 101

Economics 120, 121

English 104\*\* or 104H\*\*

Environmental Studies 200

Ethnic Studies 101\*\* or 101H\*\*, 102\*\* or 102H\*\*

Geography 100\*\* or 100H\*\*, 102\*\* or 102H\*\*

History 105, 118, 120\*\* or 120H\*\*, 121\*\* or 121H\*\*, 122\*\*, 123, 124\*\* or 124H\*\*, 125, 127, 133, 146, 163\*, 181

Human Development 107\*\*

Interdisciplinary Studies 117H, 155

Political Science 101\*\* or 101H\*\*, 200\*\* or 200H\*\*, 201, 220, 235

Psychology 100\*\* or 100H\*\*, 140, 157\*\*, 170, 200, 219, 230, 240, 250

Science 200

Sociology 100\*\* or 100H\*\*, 140\*\* or 140H\*\*, 240

TV/Video Communications 105\*\* or 105H\*\*

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\*\*

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

Physical Science 115, 117\*\*

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

Planning to Transfer?

[www.assist.org](http://www.assist.org)

**assist**

Your official source for California articulation and student transfer information.

### Group B: Biological Science (1 course)

Anthropology 101L

Biology 109\*\* or 109H\*\*, 115, 139\*\*, 177, 211, 212, 214, 229\*\*, 239, 249, 259

Environmental Studies 259

### Group C: Laboratory Activity

Anthropology 101L

Astronomy 140

Biology 109L, 115, 139, 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: Chinese 101, French 101, Japanese 101, Sign Language 110, Spanish 101\*\* or 101H\*\*, or Vietnamese 101;

**OR**

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

**OR**

satisfactory score in examinations of languages other than English as follows:

3 or higher on College Board Advanced Placement Examination, 5 or higher on International Baccalaureate Higher Level Examination; SAT II: Subject Tests (see counselor for required scores); A, B, or C on "0" Level exam; 5, 6, or 7 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 SAC 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\*\*, 122\*\*, 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 designated with an asterisk may be counted in one area only.

\*\* Indicates that transfer credit may be limited by either UC or CSU or both. Please consult with a counselor for additional information.

\*\*\* High School transcript must be on file in the admissions office. Please consult with a counselor for additional information.



**SANTA ANA COLLEGE  
SCHOOL OF CONTINUING EDUCATION**

**FREE CLASSES! ENROLL NOW!**

**FALL SEMESTER BEGINS AUGUST 27**

**CONTINUOUS ENROLLMENT THROUGHOUT THE SEMESTER**

For specific class schedules, see Centennial Education Center Schedule of Classes at our website:

**[www.sac.edu/sce](http://www.sac.edu/sce)**

*The first step  
toward a better future.*



**Santa Ana College  
School of  
Continuing Education**

**Free Classes  
for adults**

- Adult Basic Education (ABE)**
- Citizenship**
- Community Learning Center**
- Computer Applications**
- Computer Basics**
- English as a Second Language (ESL)**
- General Education Development (GED)**
- Adult High School Diploma Program**
- Spanish Literacy**

**Saturday Classes Are Available!**

**714-241-5700**

*Classes Start August 27! Enroll Today!*

**HOW TO REGISTER FOR  
FREE CLASSES**

Registration for tuition-free, noncredit courses for adults begin August 27, 2012. Students are registered on a first-come, first-served basis. Registration may be done in person throughout the semester:

**VISIT OUR WEBSITE AT:  
[www.sac.edu/sce](http://www.sac.edu/sce)**

**CENTENNIAL EDUCATION CENTER**

2900 W. Edinger, Santa Ana, CA 92704  
714-241-5700

**REGISTRATION HOURS:**

Monday–Thursday 8:00 am–8:45 pm  
Friday 8:00 am–12:45 pm  
Saturday 8:00 am–11:45 am

**SANTA ANA COLLEGE  
SCHOOL OF CONTINUING EDUCATION  
PHONE LISTING**

Registration/Admissions . . . . . 714-241-5700  
Adult High School Diploma Prog. . . . . 714-241-5720  
Counseling . . . . . 714-241-5720  
Child Development Center. . . . . 714-241-5739  
Computer Classes. . . . . 714-241-5736

**FALL SEMESTER 2012**

Registration Begins. . . . . August 13  
Instruction Begins. . . . . August 27  
Labor Day (holiday). . . . . September 3  
Veterans' Day (holiday) . . . . . November 12  
Thanksgiving (holiday) . . . . . November 19–24  
Instruction Ends . . . . . December 15  
Winter Recess. . . . . December 19–January 9

# SANTA ANA COLLEGE SCHOOL OF CONTINUING EDUCATION

## WHO CAN ATTEND?

Individuals 18 years or older may attend. Students currently enrolled in high school, who wish to attend continuing education courses, must present a Petition for Registration form signed by their high school principal, counselor and parent. Forms are available at registration offices. Students may register for courses throughout the semester.

## WHAT IS CONTINUING EDUCATION?

The School of Continuing Education offers academic, vocational, basic skills and personal enrichment programs to adults. Day, evening and Saturday classes are offered at convenient locations throughout the city of Santa Ana.

## INSTRUCTIONAL PROGRAMS OFFERED

### ADULT BASIC EDUCATION (ABE)

Provides adult learners the opportunity to build a strong foundation in reading, writing, language and math skills. Recommended for ESL Intermediate I and higher.

### ADULT HIGH SCHOOL DIPLOMA PROGRAM

Provides all classes necessary to obtain a high school diploma through both traditional and individualized instructional methods.

### CITIZENSHIP CLASSES (ESL CIVICS)

Provides basic knowledge of local, state and federal government in preparation for the United States citizenship examination, including language development within the context of history and government.

### COMMUNITY LEARNING CENTER

Provides adult learners of all English levels the opportunity to improve their English skills, learn about civics, citizenship and computer literacy, through individualized, small group and computer-based instruction.

### COMPUTER APPLICATIONS

Provides instruction on current computer applications used in the workplace. Some courses are taught in both English and Spanish.

### COMPUTER BASICS

Hardware and software instruction and “hands-on” experience in troubleshooting, repairing, maintaining and upgrading computers. Provides review and practice for taking the A+ Certification Test.

### ENGLISH AS A SECOND LANGUAGE (ESL)

Provides seven levels of instruction in English language development, including listening, speaking, reading and writing for adults. Additional classes include pronunciation, conversation and writing. Academic ESL classes are offered on the SAC campus for continuing education students. Classes are free and not for credit.

### ESL/FAMILY LITERACY

Provides English language development and a family literacy focus on helping children with reading and homework.

### FAMILY CHILD CARE PROVIDERS TRAINING

Teaches students to establish and maintain a successful home-based child care business. Classes are offered in English/Vietnamese and Spanish.

### GED TEST PREPARATION

Prepares adults to pass the GED high school equivalency exam. This course is also offered with bilingual (Spanish/English) instruction.

### SPANISH LITERACY

This program offers Spanish-speaking students the opportunity to improve basic skills in their native language, so they can persist and succeed in ESL and other academic and vocational courses in English.

## STUDENT SERVICES & PROGRAMS

### CALWORKS

Provides counseling and assistance to all CalWORKs eligible students.

### CHILD DEVELOPMENT PROGRAM

Provides early childhood education while parents pursue their education.

### DISABLED STUDENT PROGRAMS AND SERVICES

Assists students who have average or above average potential for learning and who exhibit difficulties in at least one academic area. Students who qualify may enroll in the Learning Skills Program and receive various services.

### COUNSELING DEPARTMENT

Assists diverse students by providing academic guidance, personal and career counseling to achieve their lifelong goals.

### STUDENT DEVELOPMENT

Provides students with opportunities to participate in leadership training classes, student association, clubs, student conferences, celebrations and other activities.

### STUDENT OUTREACH

Provides outreach services to the community and assists with student recruitment.



# RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT

SANTA ANA COLLEGE • SANTIAGO CANYON COLLEGE

## MAJOR SITES

- 1 RSCCD Operations Center .....2323 N. Broadway.....Santa Ana
- 2 Santa Ana College (SAC) .....1530 W. 17th Street.....Santa Ana
- 3 Santiago Canyon College (SCC).....8045 E. Chapman Avenue.....Orange
- 4 SCC Orange Education Center (OEC) .....1465 N. Batavia Street .....Orange
- 5 Centennial Education Center (CEC).....2900 W. Edinger Avenue .....Santa Ana
- 6 Orange County Sheriff’s Department Training Center (OCST).....1900 W. Katella Avenue.....Orange
- 7 Orange County Sheriff’s Regional Training Academy (CJTC).....15991 Armstrong Ave.....Tustin
- 8 Digital Media Center (DMC) .....1300 S. Bristol Street .....Santa Ana
- 9 Joint Powers Training Center (JPTC CN).....18301 Gothard .....Huntington Beach
- 10 Orange County Probation Department.....1001 S. Grand Avenue .....Santa Ana



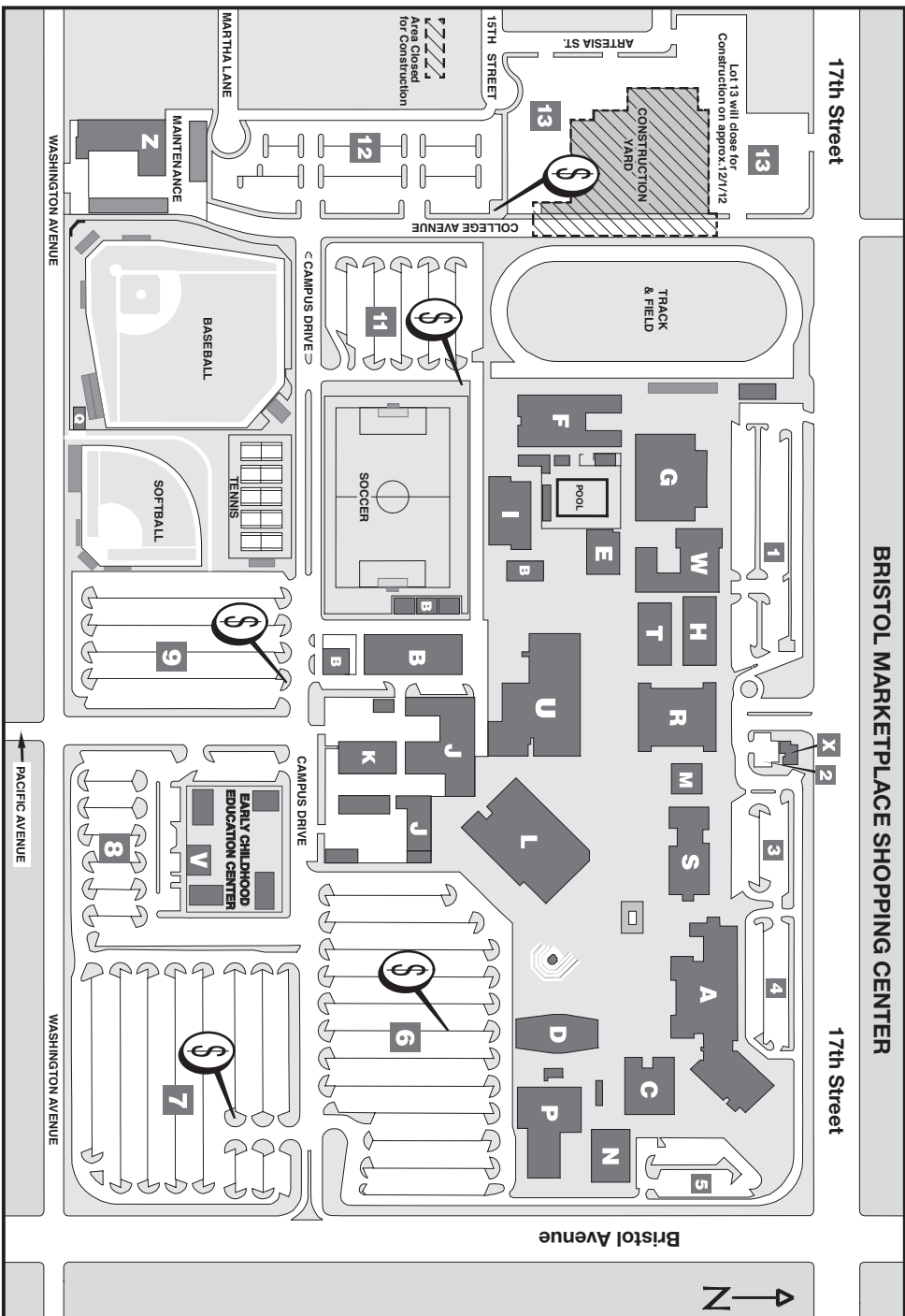


**SANTA ANA COLLEGE**

**1530 W. 17th Street  
Santa Ana, CA 92706  
714-564-6000**

**SAC FACILITIES AND LOCATIONS**

- A** Cesar Chavez Building /Business / Computer Lab
- B** Middle College High School
- C** Fine Arts / Art Gallery
- D** Dunlap Hall / Amphitheatre (west of bldg.)
- E** Fitness Center
- F** Locker Rooms
- G** Cook Gym
- H** Hammond Hall
- I** Classroom Building
- J** Auto Shop / Quick Center
- K** Welding / Auto Diesel
- L** Nealley Library



**(Tobacco use permitted in parking lots only.)**

- M** Planetarium
- N** Music Building
- P** Phillips Hall Theatre
- Q** Concession
- R** Russell Hall
- S** Administration Building / Admissions / Counseling
- T** Technical Arts
- U** Johnson Center / Student Business Office / Bookstore / Cafeteria / International Students Program
- V** Early Childhood Education Center
- W** Kinesiology
- X** Security / Safety
- Z** Maintenance

**SAC PARKING**

- 1** Staff Parking
- 2** Visitor Parking
- 3** Staff Parking
- 4** Staff Parking
- 5** Student Parking (except as posted)
- 6-12** Permit Dispenser (\$2.00 for 8 hours)

**tobacco-free SAC**

**SAC IS TOBACCO-FREE**

Use of tobacco-related products is allowed only in parking lots.