

# 2014 summer schedule of classes

June 16, 2014 - August 10, 2014



## Welcome to Santa Ana College!

We are excited to continue SAC's outstanding history and legacy of success. Our faculty and staff, academic programs, and student services are ranked high in quality among our alumni. This summer we encourage you to take advantage of our wide range of resources available to help reach your potential in all areas of life and academics.

The SAC Family looks forward to serving your educational needs. See you around campus!

Erlinda J. Martinez, Ed.D



**SANTA ANA COLLEGE**

A complete list of classes available online: **sac.edu**

# HOW TO APPLY AND REGISTER

## NOTE:

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

**Summer hours are Monday–Thursday, 8:00 am–6:45 pm  
Subject to change**

## STEP ONE:

To apply to Santa Ana College, complete an application online at [www.sac.edu](http://www.sac.edu). Under the “Study at SAC” heading, click on the “How to Apply” link. After submitting all of your information, you will receive an e-mail confirmation from CCCApply. Within 24 hours, you will receive another e-mail from Santa Ana College with your login information and important registration information. You will be able to log in to **WebAdvisor** to register for classes.

## STEP TWO:

### ONLINE REGISTRATION STEPS:

WebAdvisor is open Monday–Sunday (Please note: The online system will not be available on Saturdays from 2:00 am to 5:00 am).

- 1 Go to [www.sac.edu](http://www.sac.edu) and click on the “WebAdvisor” link.
- 2 Click on “Log In” from the Main Menu.
- 3 Log in (if you forget your password, go back to the Main Menu and click on the “What’s my password?” link).
- 4 From the Menu, click on the “Student” tab.
- 5 Click on “Register for Classes” from the Registration Menu.
- 6 Follow the instructions to complete your registration.
- 7 Pay immediately to keep your classes.

### ONLINE PRIORITY REGISTRATION DATES:

Veterans/Foster Youth/CalWORKs/DSPS/EOPS. . .	May 16–June 13
Continuing Students . . . . .	May 18–June 13
New Students . . . . .	June 3–June 13
Loss of Priority Registration Students. . . . .	June 9–June 13
CAP High School Students . . . . .	June 12–June 13

### DROP FOR NON-PAYMENT POLICY

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

### STUDENT RESPONSIBILITY TO DROP CLASSES

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

## WAIT LIST POLICY

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

## PAY FEES IMMEDIATELY

Fees must be paid within 3 calendar days of registering for courses or you 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:** \$46.00 per unit. Payment is required of all students upon registering for classes.

**Non Resident Tuition:** \$214.00 per unit (\$190.00 tuition + \$24.00 capitol outlay) in addition to the per enrollment fee for non-resident students. Refer residency questions to the Admissions office.

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

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

**Student Photo Identification Card:** \$2.50 for College Services: Library, student and instructional services.

**Student Service Fee:** \$5.00 for college activities and discounts.

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

## FIRST CLASS MEETING

Make sure you attend the first class meeting!

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

## PHOTOGRAPHY:

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

Can’t find the class you need? It may be waiting for you at  
**SANTIAGO CANYON COLLEGE (SCC)**  
Classes for both SAC and SCC are listed online

# CALENDAR FOR SUMMER 2014 CLASSES

May 12, 2014 . . . . . Online registration  
 June 16, 2014 . . . . . Instruction begins

Refer to section information in WebAdvisor

{ Last day to add a class with instructor's signature or add code  
 Last day to drop a class with enrollment fee refund and no "W" grade  
 Last day to file Pass/No Pass  
 Last day to drop a class with "W" grade





August 10, 2014 . . . . . Summer Session ends

**REGISTRATION QUESTIONS?  
 CALL 714-564-6005**

## 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.

### NOTES

-  Online Classes. For more information go to [www.sac.edu/disted](http://www.sac.edu/disted)
  -  Hybrid Classes. For more information go to [www.sac.edu/disted](http://www.sac.edu/disted)
  -  Off campus field trips. Read the policy on this page.
  -  Students will be required to use the internet for this class. Assignments and/or quizzes submitted via the internet.
- Class location CJTC-SD: **Orange County Sheriff's Regional Training Academy**  
 15991 Armstrong Avenue, Tustin.
- JPT-CN: **Joint Powers Training Center-Central Net**

# SCHEDULE OF CLASSES

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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## ACCOUNTING


SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>ACCOUNTING 101, FINANCIAL ACCOUNTING</b> <span style="float: right;"><b>4.0 UNITS</b></span>					
<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>					
85188	8:30a-12:45p	M W	Phung T	SAC A-211	06/16-08/06
85189	6:00p-10:15p	M W	Erlandson S	SAC A-211	06/16-08/06
<b>ACCOUNTING 102, MANAGERIAL ACCOUNTING</b> <span style="float: right;"><b>4.0 UNITS</b></span>					
<i>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.</i>					
Prerequisite: Accounting 101.					
85190	6:00p-10:15p	Tu Th	Phung T	SAC A-209	06/17-08/07

## ANTHROPOLOGY

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>ANTHROPOLOGY 100, INTRODUCTION TO CULTURAL ANTHROPOLOGY</b> <span style="float: right;"><b>3.0 UNITS</b></span>					
<i>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.</i>					
84480	8:00a-12:15p	M W	Wood S	SAC I-101	06/16-07/23
84476	5:30p-9:45p	Tu Th	Cundiff W	SAC B-4	07/01-08/07
<b>ANTHROPOLOGY 101, INTRODUCTION TO PHYSICAL ANTHROPOLOGY</b> <span style="float: right;"><b>3.0 UNITS</b></span>					
<i>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.</i>					
84485	9:00a-12:10p	Tu Th	Robertson M	SAC B-4	06/17-08/07
84487	9:00a-12:10p	M W	Robertson M	SAC B-4	06/16-08/06
<b>ANTHROPOLOGY 101L, PHYSICAL ANTHROPOLOGY LABORATORY</b> <span style="float: right;"><b>1.0 UNIT</b></span>					
<i>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.</i>					
Prerequisite: Anthropology 101 or concurrent enrollment.					
84491	1:00p-4:10p	Tu Th	Robertson M	SAC B-4	06/17-08/07

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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## ART

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>ART 100, INTRODUCTION TO ART CONCEPTS</b> <span style="float: right;"><b>3.0 UNITS</b></span>					
<i>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.</i>					
 85110			Redfield M	SAC WEB	06/16-07/25
Section 85110. No on-campus meeting times. Students are required to log on to Blackboard on the first day of classes: <a href="http://rscdd.blackboard.com">http://rscdd.blackboard.com</a>					
85111	9:00a-1:15p	Tu Th	Soriano I	SAC C-104	07/01-08/07
85112	6:00p-10:15p	Tu Th	Marquez P	SAC C-104	07/01-08/07
<b>ART 104, MEXICAN AND CHICANO ART HISTORY</b> <span style="float: right;"><b>3.0 UNITS</b></span>					
<i>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.</i>					
85113	9:00a-1:15p	M W	Soriano I	SAC C-104	06/30-08/06
<b>ART 105, HISTORY OF MODERN ART</b> <span style="float: right;"><b>3.0 UNITS</b></span>					
<i>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.</i>					
85114	6:00p-10:15p	M W	Marquez P	SAC C-104	06/30-08/06
<b>ART 195, INTRODUCTION TO DIGITAL MEDIA ARTS</b> <span style="float: right;"><b>3.0 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): \$15.00</b>					
85115	6:00p-9:00p	M Tu W	Hostetter D	DMC-104	06/16-07/23
	9:10p-10:10p	M Tu W	Hostetter D	DMC-104	

## ASTRONOMY

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>ASTRONOMY 110, INTRODUCTION TO STARS AND GALAXIES</b> <span style="float: right;"><b>3.0 UNITS</b></span>					
<i>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.</i>					
84760	1:00p-5:15p	M W	Staff	SAC R-114	06/16-07/23
<b>ASTRONOMY 140, ASTRONOMY LABORATORY</b> <span style="float: right;"><b>1.0 UNIT</b></span>					
<i>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.</i>					
Prerequisite: Astronomy 109 or 110 or 110H or concurrent enrollment. Astronomy 109 or 110 or 110H or concurrent enrollment.					
85723	1:00p-5:15p	Tu Th	Staff	SAC R-328	06/17-07/24

## AUTOMOTIVE TECHNOLOGY

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>AUTOMOTIVE TECHNOLOGY 002, ESSENTIALS</b> <span style="float: right;"><b>3.0 UNITS</b></span>					
<i>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.</i>					
85511	6:00p-10:15p	Tu W Th	Staff	SAC J-115	06/17-07/10

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



**AUTOMOTIVE TECHNOLOGY 006, AUTOMOTIVE MAINTENANCE 4.0 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.*

85512	12:30p-5:45p	Tu W Th	Serrano, Jr. M	SAC J-115	06/17-08/07
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**AUTOMOTIVE TECHNOLOGY 025, A-6 ALTERNATIVE COURSE - ELECTRICAL SYSTEMS 2.0 UNITS**

*This course is a Bureau of Automotive Repair certified course. It is designed to prepare the student to pass the Alternative A-6 Electrical Systems exam.*

85513	6:00p-10:15p	M Tu W Th	Wilkes D	SAC K-115	07/14-07/24
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**AUTOMOTIVE TECHNOLOGY 033, A-8 ALTERNATIVE COURSE - ENGINE PERFORMANCE 2.0 UNITS**

*This course is a Bureau of Automotive Repair certified course. It is designed to prepare the student to pass the Alternative A-8 Engine Performance exam.*

85514	6:00p-10:15p	M W	Wilkes D	SAC K-115	06/16-07/09
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**AUTOMOTIVE TECHNOLOGY 062, AIR CONDITIONING AND HEATING 3.0 UNITS**

*Operation, testing, and servicing of air conditioning and heating systems. Students must furnish hand tools and safety equipment. Suggested preparation: Automotive Technology 002 or 006. (Same as Diesel 062.)*

85515	6:00p-10:10p	M Tu W Th	Hammonds E	SAC J-102	06/16-07/24
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**AUTOMOTIVE TECHNOLOGY 084, OBD-II 3.0 UNITS**

*This course will present an overview of the OBD-II (On Board Diagnostics) system used on modern automobiles. Terminology, codes, monitors and scantool use will be emphasized. Suggested preparation: Automotive Technology 002 or 006.*

85516	6:00p-10:15p	Tu W Th	Serrano, Jr. M	SAC J-115	07/15-08/07
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**AUTOMOTIVE TECHNOLOGY 087, L-1 ALTERNATIVE COURSE: ADVANCED ENGINE PERFORMANCE 2.0 UNITS**

*This course is a Bureau of Automotive Repair certified course. It is designed to prepare the student to pass the L-1 Alternative Course Exam.*

85517	6:00p-10:15p	Tu Th	Wilkes D	SAC K-115	06/17-07/10
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# BIOLOGY

**BIOLOGY 109, FUNDAMENTALS OF BIOLOGY 3.0 UNITS**

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

84761	9:00a-11:50a	Tu W Th	Staff	SAC R-124	07/01-08/07
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Section 84761 Concurrent enrollment in Biology 109L recommended.

84763	9:00a-11:50a	M Tu W	Staff	SAC A-210	06/30-08/06
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Section 84763 Concurrent enrollment in Biology 109L recommended.

84762	2:00p-4:50p	Tu W Th	Staff	SAC R-126	07/01-08/07
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Section 84762 Concurrent enrollment in Biology 109L recommended.

**BIOLOGY 109L, FUNDAMENTALS OF BIOLOGY LABORATORY 1.0 UNIT**

*Laboratory experiments that illustrate important biological concepts at all levels of organization, from molecules and cells, to organisms, populations, communities and ecosystems. Content complements Biology 109/109H lecture material. Fieldtrip required.*

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

85724	9:00a-11:50a	Tu W Th	Staff	SAC R-202	07/01-08/07
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84764	1:00p-3:50p	Tu W Th	Staff	SAC R-202	07/01-08/07
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84765	6:00p-8:50p	Tu W Th	Staff	SAC R-202	07/01-08/07
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**BIOLOGY 229, GENERAL MICROBIOLOGY 5.0 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 239, or 249, or Chemistry 119 or Chemistry 209.

**Material Fee(s): \$20.00**

84766	1:30p-3:35p	M Tu W Th	Morales D	SAC R-124	06/30-08/07
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	9:00a-1:15p	M Tu W Th	Morales D	SAC R-226	
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84767	1:30p-3:35p	M Tu W Th	Morales D	SAC R-124	06/30-08/07
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	4:00p-8:15p	M Tu W Th	Morales D	SAC R-226	
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**BIOLOGY 239, GENERAL HUMAN ANATOMY 4.0 UNITS**

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

84768	8:00a-10:05a	M Tu W Th	Hampton J	SAC R-128	06/16-07/24
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	10:30a-12:35p	M Tu W Th	Hampton J	SAC R-201	
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84769	8:00a-10:05a	M Tu W Th	Hampton J	SAC R-128	06/16-07/24
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	1:30p-3:35p	M Tu W Th	Staff	SAC R-201	
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84770	8:00a-10:05a	M Tu W Th	Hampton J	SAC R-128	06/16-07/24
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	4:30p-6:35p	M Tu W Th	Staff	SAC R-201	
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**BIOLOGY 249, HUMAN PHYSIOLOGY 4.0 UNITS**

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

Prerequisite: Biology 239 or similar Human Anatomy course.

85725	9:00a-11:05a	M Tu W Th	Staff	SAC R-126	06/16-07/24
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	11:30a-1:35p	M Tu W Th	Staff	SAC R-228	
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# BUSINESS

**BUSINESS 100, FUNDAMENTALS OF BUSINESS 3.0 UNITS**

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

84870			Doolittle G	SAC WEB	06/16-07/11
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Section #84870 Online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

Make sure your current email address is in personal information.

84865			Grant M	SAC WEB	06/16-07/25
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Section #84865 Online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

Make sure your current email address is in personal information.

**BUSINESS 103, COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL EDUCATION-OCCUPATIONAL 1.0 - 2.0 UNITS**

*Supervised paid or volunteer experience in student's major including new or expanded responsibilities. 75 hours of paid work or 60 hours of un-paid work equals one unit. Course may be taken 4 times for a maximum of 16 units of occupational cooperative work experience credit.*

Open Entry / Open Exit

84912			Grant M	SAC WEB	06/16-08/08
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Section #84912 Online instruction. No on campus meeting times.

Students are required to email instructor first week of class (Grant\_Madeline@sac.edu)

Make sure your current email address is in personal information.

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

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

84856			Manzano F	SAC WEB	06/16-08/08
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Section 84856 online instruction. No on-campus meeting times.

Students are required to logon to Blackboard on the first day of class.

84858			Robinson K	SAC WEB	06/16-08/08
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Section 84858 online instruction. No on-campus meeting times.

Students are required to logon to Blackboard on the first day of class.

84859	9:30a-12:40p	M W	Robinson K	SAC A-130	06/16-08/06
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**BUSINESS 106, CULTURE AND INTERNATIONAL BUSINESS-KISS, BOW OR SHAKE HANDS 3.0 UNITS**

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

84923			Doolittle G	SAC WEB	06/16-07/25
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Section #84923 Online instruction. No on-campus meeting times.

Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

Make sure your current email address is in personal information.

**BUSINESS 120, PRINCIPLES OF MANAGEMENT 3.0 UNITS**

*Principles, methods, and procedures essential to the successful management of human and financial resources. Planning, decision making, staffing, directing, motivating, leading, communicating, controlling and the application of managerial skills. (Same as Management 120.)*

84924			Shweiri G	SAC WEB	06/16-08/08
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Section #84924 Online instruction. No on-campus meeting times.

Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

Make sure your current email address is in personal information.

85467	6:00p-9:10p	Tu Th	Russo J	SAC A-205	06/17-08/07
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**BUSINESS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS 3.0 UNITS**

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

85636	6:00p-10:15p	Tu Th	Dahlen N	SAC A-206	07/01-08/07
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**BUSINESS 180, FINDING AND EVALUATING PRODUCTS FOR IMPORT 1.0 UNIT**

*Evaluate the potential of an import business. Contact vendors and source products. Determine import classification, tariffs and taxes and calculate landed costs to import into the U.S.*

84925	6:00p-10:00p	Tu Th	Grant M	SAC A-203	06/17-06/26
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**BUSINESS 182, CLASSIFYING IMPORTS AND CLEARING U.S. CUSTOMS 1.0 UNIT**

*Learn to classify products being imported into the U.S. using the Harmonized Tariff Schedule (HTS). Identify applicable duty rates and quotas for products. Learn how the operations and U.S. Customs programs have changed since 9/11/2001.*

84926	6:00p-10:00p	Tu Th	Shweiri G	SAC A-203	07/01-07/10
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**BUSINESS 222, BUSINESS WRITING 3.0 UNITS**

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

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

84934			Woolgar D	SAC WEB	06/30-08/08
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Section #84934 Online instruction. No on-campus meeting times.

Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

Make sure your current email address is in personal information.

84929	9:00a-1:15p	Tu Th	Woolgar D	SAC A-108	07/01-08/07
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84927	6:00p-10:15p	M W	Damon S	SAC A-108	06/16-07/25
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## BUSINESS APPLICATIONS

<b>BUSINESS APPLICATIONS 110A, COMPUTER KEYBOARDING SKILLS I</b> <span style="float:right">1.0 UNIT</span>					
<i>Proficiency based keyboarding skills includes alphabet, speed and accuracy development.</i>					
Open Entry / Open Exit					
84868	9:00a-12:00p	M W	Staff	SAC A-226	06/16-08/06
84869	7:00p-10:00p	Tu Th	Staff	SAC A-226	06/17-08/07

<b>BUSINESS APPLICATIONS 110B, COMPUTER KEYBOARDING SKILLS II</b> <span style="float:right">1.0 UNIT</span>					
<i>Continuation and refinement of proficiency based computer keyboarding skills includes: alphabet and numeric keyboard, speed and accuracy development and basic word processing skills.</i>					
Prerequisite: Business Applications 110A.					
Open Entry / Open Exit					
84871	9:00a-12:00p	M W	Staff	SAC A-226	06/16-08/06
84872	7:00p-10:00p	Tu Th	Staff	SAC A-226	06/17-08/07

<b>BUSINESS APPLICATIONS 115A, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT I</b> <span style="float:right">1.0 UNIT</span>					
<i>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.</i>					
Open Entry / Open Exit					
84873	9:00a-12:00p	M W	Staff	SAC A-226	06/16-08/06
84874	7:00p-10:00p	Tu Th	Staff	SAC A-226	06/17-08/07

<b>BUSINESS APPLICATIONS 115B, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT II</b> <span style="float:right">1.0 UNIT</span>					
<i>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.</i>					
Prerequisite: Business Applications 115A.					
Open Entry / Open Exit					
84875	9:00a-12:00p	M W	Staff	SAC A-226	06/16-08/06
84876	7:00p-10:00p	Tu Th	Staff	SAC A-226	06/17-08/07

<b>BUSINESS APPLICATIONS 148, ADVANCED WINDOWS</b> <span style="float:right">1.5 UNITS</span>					
<i>Continued instruction in Microsoft Windows features. Topics include: using the Internet and multimedia; working with digital photos and music; networking and system maintenance; adding software and hardware and troubleshooting your system.</i>					
<b>Software Utilized: Windows 8</b>					
84878	7:00p-10:10p	Tu	Staff	SAC A-222	06/17-08/05

<b>BUSINESS APPLICATIONS 163, ADOBE ACROBAT</b> <span style="float:right">3.0 UNITS</span>					
<i>Learn to use Adobe Acrobat to convert any document to a portable format which can be distributed electronically (via disk, modem, intranet, CD-ROM, e-mail, Web or printed publication) allowing anyone to view, search, and print the document perfectly on any computer without using the original program from which the document was created. Create forms that can be submitted over the Internet. Create interactive documents that act like a Web site.</i>					
85068	7:00p-10:10p	M W	Dumon D	SAC A-224	06/16-08/06

<b>BUSINESS APPLICATIONS 179, INTRODUCTION TO MICROSOFT OFFICE</b> <span style="float:right">4.0 UNITS</span>					
<i>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.</i>					
<b>Software Utilized: MS Office 2010</b>					
84879	6:00p-10:10p	Tu Th	Staff	SAC A-224	06/17-08/07

## CHEMISTRY

<b>CHEMISTRY 209, INTRODUCTORY CHEMISTRY</b> <span style="float:right">4.0 UNITS</span>					
<i>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.</i>					
Prerequisite: Mathematics 080 or 081 with a grade of C or better.					
84792	9:00a-12:10p	M W	Pratt C	SAC R-303	06/16-08/07
	9:00a-12:10p	Tu Th	Pratt C	SAC R-301	
84795	9:00a-12:10p	Tu Th	Cai Y	SAC R-303	06/16-08/07
	9:00a-12:10p	M W	Cai Y	SAC R-301	
84794	6:00p-9:10p	M W	Yamada T	SAC R-318	06/16-08/07
	6:00p-9:10p	Tu Th	Yamada T	SAC R-301	

<b>CHEMISTRY 219, GENERAL CHEMISTRY</b> <span style="float:right">5.0 UNITS</span>					
<i>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.</i>					
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.					
84796	12:30p-1:55p	M Tu W Th	Robles M	SAC R-126	06/16-08/07
	2:15p-5:25p	M Tu W Th	Robles M	SAC R-309	

<b>CHEMISTRY 229, GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS</b> <span style="float:right">5.0 UNITS</span>					
<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.					
84789	12:30p-1:55p	M Tu W Th	Nguyen W	SAC R-318	06/16-08/07
	2:30p-5:40p	M Tu W Th	Nguyen W	SAC R-301	

## COMMUNICATION STUDIES

<b>COMMUNICATION STUDIES 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION</b> <span style="float:right">3.0 UNITS</span>					
<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>					
85123	8:00a-12:15p	M W	Pierce C	SAC C-213	06/30-08/06
85125	8:00a-12:15p	Tu Th	Moorhead C	SAC C-214	07/01-08/07
85126	6:00p-10:15p	M W	Holder V	SAC C-202	06/16-07/23
85127	6:00p-10:15p	Tu Th	Holder V	SAC C-202	06/17-07/24

<b>COMMUNICATION STUDIES 102, PUBLIC SPEAKING</b> <span style="float:right">3.0 UNITS</span>					
<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. Communication Studies 097 recommended for non-native speakers.</i>					
85129	8:00a-12:15p	M W	Moorhead C	SAC C-214	06/30-08/06
85130	8:00a-12:15p	Tu Th	Lockwood L	SAC C-213	06/17-07/24
85263	8:00a-12:30p	M Tu W Th F Sa Su	Fondren S	SAC UCI	07/25-08/03
Section 85263: Mandatory Orientation meeting Friday, June 6th at 11:00a. For info contact instructor: fondren_stephanie@sac.edu. This is a 10 day residential program at UCI. Please apply through SAC's University Transfer Center.					
85131	6:00p-8:50p	M Tu Th	Staff	SAC C-214	06/30-08/10

<b>COMMUNICATION STUDIES 140, ARGUMENTATION AND DEBATE</b> <span style="float:right">3.0 UNITS</span>					
<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>					
85134	8:00a-12:15p	M W	Lockwood L	SAC C-207	06/16-07/23
85137	6:00p-10:15p	Tu Th	Lockwood L	SAC C-207	06/17-07/24

## COMMUNICATIONS & MEDIA STUDIES

<b>COMMUNICATIONS &amp; MEDIA STUDIES 298A, DESIGNING FOR PRINT AND DIGITAL MEDIA</b> <span style="float:right">3.0 UNITS</span>					
<i>A comprehensive course emphasizing professional standards, theory, and techniques in print, digital, and Web-based design. Students use a digital laboratory as a platform for training in design theory, visual organization, color theory, scale, unity and use of typography. For those interested in design careers.</i>					
85169	9:00a-11:05a	M Tu W Th	Little C	SAC C-201	06/16-07/24
	11:15a-1:20p	M Tu W Th	Little C	SAC C-201	

<b>COMMUNICATIONS &amp; MEDIA STUDIES 298B, INTERMEDIATE DESIGNING FOR PRINT AND DIGITAL MEDIA</b> <span style="float:right">3.0 UNITS</span>					
<i>An intermediate level comprehensive course emphasizing professional standards, theory, and techniques in print, digital, and Web-based design. Students use a digital laboratory as a platform for training in design theory, visual organization, color theory, scale, unity, and use of typography. For those interested in design careers. Completion of CMSD 298A is required.</i>					
Prerequisite: Completion of CMSD 298A with a grade of C or better or upon approval of instructor.					
85171	9:00a-11:05a	M Tu W Th	Little C	SAC C-201	06/16-07/24
	11:15a-1:20p	M Tu W Th	Little C	SAC C-201	

## COMPUTER SCIENCE

<b>COMPUTER SCIENCE 100, THE COMPUTER AND SOCIETY</b> <span style="float:right">3.0 UNITS</span>					
<i>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.</i>					
<b>Software Utilized: MS Office 2010</b>					
85158	9:00a-1:15p	Tu Th	Dahlen N	SAC A-206	06/17-07/24
85160	9:00a-1:15p	M W	Dahlen N	SAC A-206	06/16-07/23
85161	6:00p-10:15p	M W	Dahlen N	SAC A-206	06/30-08/06

## COUNSELING

<b>COUNSELING 110, UNIVERSITY TRANSFER RESEARCH</b> <span style="float:right">0.5 - 2.0 UNITS</span>					
<i>Development and enhancement of decision-making strategies for transfer students. Identification of educational/career goals. Analysis, comparison, and evaluation of university entrance, major, and post-graduate requirements and student services. On-site research/field study at universities.</i>					
84482	8:00a-4:00p	M Tu W Th	Zook R	SAC	06/09-06/12
This is a four day field trip to Northern California Universities. Please apply through the University Transfer Center.					

## 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.

**COUNSELING 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 3.0 UNITS**

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

**Material Fee(s): \$18.50**

84479			Nguyen T	SAC WEB	06/16-07/25
Section 84479 online instruction plus mandatory orientation meeting: 6/16, 7:00p-8:30p, SAC L-225. For additional information, or if you wish to add the course after June 16 email the instructor (Nguyen_Van@sac.edu).					
84459	8:30a-12:45p	Tu Th	Gilmour D	SAC V-151	06/17-07/24
84477	6:00p-10:15p	Tu Th	Gilmour D	SAC I-209	06/17-07/24

## CRIMINAL JUSTICE

**CRIMINAL JUSTICE 101, INTRODUCTION TO CRIMINAL JUSTICE 3.0 UNITS**

A survey of the philosophy and history of criminal justice system (law enforcement, courts, corrections); processes of justice from detection of crime to parole; evaluation of modern criminal justice delivery systems.

85491	9:00a-1:15p	Tu Th	Gonis Jr A	SAC H-207	06/17-07/24
85486	9:00a-1:15p	M W	Gonis Jr A	SAC H-207	06/16-07/23
85487	6:00p-9:10p	M W	Wright G	SAC R-114	06/16-08/06

## 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.

85105	6:00p-8:00p	Tu Th	Sneddon M	SAC CJTC-SD	06/17-07/10
Enroll in .3 units if you plan to attend all sessions. Class location Orange County Sheriff's Training Academy. - Tustin					

**CRIMINAL JUSTICE ACADEMIES 010, PRE-EMPLOYMENT PREPARATION FOR LAW ENFORCEMENT 1.0 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.

84814	6:00p-10:00p	Tu Th	Staff	SAC CJTC-SD	07/15-08/09
	8:00a-12:00p	Sa	Staff	SAC CJTC-SD	
Class is held at CJTC-SD, 15991 Armstrong Ave. Tustin, CA 92782					

**CRIMINAL JUSTICE ACADEMIES 026A, TRAINING ACADEMY PREPARATION 0.1 - 0.3 UNITS**

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

Open Entry / Open Exit

84815	7:00a-4:00p	Sa	Staff	SAC CJTC-SD	06/21-06/28
Class location: CJTC-SD, 15991 Armstrong Ave. Tustin, CA 92782					

## DANCE

**DANCE 119A, INTRODUCTION TO JAZZ DANCE 1.0 UNIT**

Introduction to jazz dance technique emphasizing elementary movement technique, vocabulary and creative expression. Includes an introduction to composition and cultural context of jazz. For students with little or no dance experience.

85253	5:30p-6:20p	Tu Th	Westergard-Dobson C	SAC G-108	07/01-08/07
	6:30p-8:35p	Tu Th	Westergard-Dobson C	SAC G-108	

**DANCE 119B, INTRODUCTION TO JAZZ DANCE 1.0 UNIT**

A refinement of basic jazz dance, emphasizing movement technique, vocabulary and creative expression. Includes composition, the cultural context of jazz and contemporary jazz dance forms. Movement repertoire differs from 119A.

85257	5:30p-6:20p	Tu Th	Westergard-Dobson C	SAC G-108	07/01-08/07
	6:30p-8:35p	Tu Th	Westergard-Dobson C	SAC G-108	

**DANCE 198, INTRODUCTION TO HIP HOP DANCE 1.0 UNIT**

Introduction to hip-hop dance including elementary movement technique, vocabulary and creative expression. Introduces composition principles, improvisation and cultural context of hip hop.

85789	5:30p-6:20p	M W	Jensen K	SAC G-108	06/16-07/23
	6:30p-8:35p	M W	Jensen K	SAC G-108	

**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

## DIESEL

**DIESEL 062, AIR CONDITIONING AND HEATING 3.0 UNITS**

Operation, testing, and servicing of air conditioning and heating systems. Students must furnish hand tools and safety equipment. Suggested preparation: Automotive Technology 002 or 006. (Same as Automotive Technology 062.)

85518	6:00p-10:10p	M Tu W Th	Lopez Garcia L	SAC J-101	06/16-07/24
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## EARTH SCIENCE

**EARTH SCIENCE 110, INTRODUCTION TO EARTH SCIENCE 3.0 UNITS**

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

84798	8:00a-12:35p	M Tu W Th F Sa Su	Coyne C	SAC UCI	07/25-08/03
Section 84798 Between the dates of July 21 to July 23 email the instructor at <a href="mailto:coyne_claire@sac.edu">coyne_claire@sac.edu</a> for the mandatory orientation meeting information. This is a 10 day residential program at UCI. Please apply through SAC's University Transfer Center.					
84799	6:00p-8:50p	Tu W Th	Coyne C	SAC R-111	06/17-07/24

## ECONOMICS

**ECONOMICS 120, PRINCIPLES/MACRO 3.0 UNITS**

Introduction to macroeconomics, including basic economic concepts, analysis of markets, national income accounting, employment, short run business cycle fluctuations, long run growth trends, monetary and fiscal policies, and international economic issues. Intended for economics, business, and certain engineering/computer science majors. Mathematics 060 or Mathematics 061 are recommended.

84495	8:00a-12:15p	M W	Montes A	SAC I-208	06/30-08/06
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**ECONOMICS 121, PRINCIPLES/MICRO 3.0 UNITS**

Introduction to microeconomics, including basic economic concepts, analysis of markets, efficiency consumer and firm behavior, industry structures, market failure, and resource markets. For economics, business, and certain engineering and computer science majors. Mathematics 060 or Mathematics 061 are recommended.

84497	8:00a-12:35p	Tu Th	Montes A	SAC A-207	07/01-08/07
84496	6:00p-10:15p	M W	Montes A	SAC I-109	06/30-08/06

## ENGINEERING

**ENGINEERING 100A, INTRODUCTION TO ENGINEERING 2.0 UNITS**

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, projects, and guest speakers.

84880			Sherod S	SAC WEB	06/16-08/08
Section 84880 online instruction. Orientation Mon. 6/16, 6:00p-7:00p, SAC A-216. Students are required to logon to Blackboard on the first day of class: <a href="http://rsccd.blackboard.com">http://rsccd.blackboard.com</a> . Email instructor first week of class. ( <a href="mailto:sherod_susan@sac.edu">sherod_susan@sac.edu</a> )					

**ENGINEERING 100B, INTRODUCTION TO ARCHITECTURE/CIVIL ENGINEERING /CONSTRUCTION (AEC) 2.0 UNITS**

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.

84881			Sherod S	SAC WEB	06/16-08/08
Section 84881 online instruction. Orientation Mon. 6/16, 6:00p-7:00p, SAC A-216. Students are required to logon to Blackboard on the first day of class: <a href="http://rsccd.blackboard.com">http://rsccd.blackboard.com</a> . Email instructor first week of class. ( <a href="mailto:sherod_susan@sac.edu">sherod_susan@sac.edu</a> )					

**ENGINEERING 110, ADVANCED CAD APPLICATIONS 0.5 - 4.0 UNITS**

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.

84884			Sherod S	SAC WEB	06/16-08/08
Section 84884 online instruction. Orientation Mon. 6/16, 6:00p-7:00p, SAC A-216. Students are required to logon to Blackboard on the first day of class: <a href="http://rsccd.blackboard.com">http://rsccd.blackboard.com</a> . Email instructor first week of class. ( <a href="mailto:sherod_susan@sac.edu">sherod_susan@sac.edu</a> )					

**ENGINEERING 183, AUTOCAD I - COMPUTER AIDED DRAFTING 3.0 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 2014**

84882	6:00p-10:10p	M W	Staff	SAC HYBRID	06/16-08/06
			Staff	SAC A-225	
Section 84882 online instruction plus mandatory on-campus meetings every Mon. & Wed., 6:00p-10:10p, SAC A-225.					

**ENGINEERING 184, AUTOCAD II - COMPUTER AIDED DRAFTING 3.0 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 2014**

84883	6:00p-10:10p	M W	Staff	SAC HYBRID	06/16-08/06
			Staff	SAC A-225	
Section 84883 online instruction plus mandatory on-campus meetings every Mon. & Wed., 6:00p-10:10p, SAC A-225.					



# ENGLISH

## ENGLISH 061, INTRODUCTION TO COMPOSITION 3.0 UNITS

Expository paragraph writing emphasizing various methods including argumentation. Practice in refining sentence skills and grammar.

Prerequisite: Grade of C or better in English N60 or qualifying profile from English placement process.					
84551	7:30a-10:20a	M Tu W Th	Higgins M	SAC I-106	06/16-07/24
84539	9:00a-11:50a	M Tu W Th	Sosta R	SAC A-205	06/16-07/24
84540	11:30a-2:20p	M Tu W Th	Higgins M	SAC C-202	06/16-07/24

## ENGLISH 101, FRESHMAN COMPOSITION 4.0 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.

84575	4:30p-6:50p	W	Bennett G	SAC HYBRID	06/18-07/23
			Bennett G	SAC C-214	

Section 84575 combines online instruction plus mandatory on-campus meetings on Wednesdays 6/18, 6/25, 7/9 and 7/16 from 4:30p-6:50p in SAC C-214.

Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Email the instructor the first week of class. (bennett\_gary@sac.edu).

84570	9:00a-12:00p	M Tu W Th	Martinez Guzman D	SAC I-109	06/30-08/07
84573	9:00a-12:00p	M Tu W Th	Carroll A	SAC I-209	06/30-08/07
84577	9:00a-12:00p	M Tu W Th	Clark C	SAC I-108	06/16-07/24
84578	9:00a-11:50a	M Tu W Th	Prothero J	SAC A-208	06/30-08/07
84558	9:00a-12:00p	M Tu W Th	Simmerman S	SAC I-103	06/30-08/07
84564	12:30p-3:30p	M Tu W Th	Bromberger K	SAC I-108	06/16-07/24
84562	1:00p-4:50p	M Tu W	Mitzner R	SAC I-102	06/16-07/23
84574	1:00p-4:00p	M Tu W Th	Martinez Guzman D	SAC I-109	06/30-08/07
84576	4:00p-7:00p	M Tu W Th	Kelley S	SAC I-101	06/16-07/24
84567	5:30p-8:30p	M Tu W Th	Arnold G	SAC I-204	06/30-08/07
84566	6:00p-9:00p	M Tu W Th	Patterson K	SAC I-208	06/16-07/24

## ENGLISH 102, LITERATURE AND COMPOSITION 4.0 UNITS

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

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

84579	5:00p-6:50p	M	Ramshaw C	SAC HYBRID	06/30-08/04
			Ramshaw C	SAC I-102	

Section 84579 requires mandatory on-campus meetings on Mondays 6/30, 7/21, 8/4 from 5:00p-6:50p in room SAC I-102. Attendance at first class meeting is mandatory. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

## ENGLISH 103, CRITICAL THINKING AND WRITING 4.0 UNITS

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

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

84580	5:00p-6:50p	M	Beyersdorf M	SAC HYBRID	06/16-07/21
			Beyersdorf M	SAC C-207	

Section 84580 requires mandatory on-campus meetings on Mondays 6/16, 6/30, 7/7 and 7/21 from 5:00p-6:50p in SAC C-207. Attendance at first class meeting is mandatory. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Email instructor first week of class (beyersdorf\_matthew@sac.edu).

84624	8:00a-2:35p	M Tu W Th F Sa Su	Beyersdorf M	SAC UCI	07/25-08/03
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Section 84624 between the dates of July 28 to August 3. Email the instructor at beyersdorf\_matthew@sac.edu for the mandatory orientation meeting information. This is a 10 day residential program at UCI. Please apply through SAC's University Transfer Center. Not open to all students.

84581	9:00a-12:00p	M Tu W Th	Patterson K	SAC I-201	06/16-07/24
84620	12:45p-3:45p	M Tu W Th	Rocke B	SAC I-204	06/30-08/07
84621	6:00p-9:00p	M Tu W Th	Greenberg H	SAC F-103	06/30-08/07
84616	6:00p-9:00p	M Tu W Th	Kaminsky R	SAC I-103	06/16-07/24

# ENGLISH FOR MULTILINGUAL STUDENTS

## ENGLISH FOR MULTILINGUAL STUDENTS 055, WRITING, GRAMMAR AND READING I 4.0 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.

Prerequisite: Qualifying profile from ESL placement process.

84499	9:00a-1:25p	M Tu W Th	Hassel E	SAC I-104	06/16-07/24
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6 hours in The Learning Center required.

## ENGLISH FOR MULTILINGUAL STUDENTS 107, WRITING, GRAMMAR AND READING II 4.0 UNITS

Sentence and paragraph level writing for 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.

Prerequisite: Grade of C or better in EMLS 055 or qualifying profile from ESL placement process.

84501	9:00a-1:25p	M Tu W Th	Beasley J	SAC G-107	06/16-07/24
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6 hours in The Learning Center required.

## ENGLISH FOR MULTILINGUAL STUDENTS 109, WRITING, GRAMMAR AND READING III 4.0 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.

Prerequisite: Grade of C or better in EMLS 107 or qualifying profile from ESL placement process.

84527	9:00a-1:25p	M Tu W Th	Hicks R	SAC I-107	06/30-08/07
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6 hours in The Learning Center required.

## ENGLISH FOR MULTILINGUAL STUDENTS 110, INTRODUCTION TO THE ESSAY 3.0 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.

Prerequisite: Grade of C or better in EMLS 109 or qualifying profile from ESL placement process.

84532	6:00p-9:00p	M Tu W Th	Cervantes M	SAC I-104	06/16-07/24
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6 hours in The Learning Center required.

# ENTREPRENEURSHIP

## ENTREPRENEURSHIP 100, INTRODUCTION TO INNOVATION AND ENTREPRENEURSHIP 3.0 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.

84930			Doolittle G	SAC WEB	06/16-07/25
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Section #84930 Online instruction. No on-campus meeting times. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Make sure your current email address is in personal information.

# FASHION DESIGN MERCHANDISING

## FASHION DESIGN MERCHANDISING 005, FASHION LABORATORY 0.5 - 1.0 UNITS

Supervised use of the fashion laboratory. Lab hours vary by sign-in. Twenty-four hours laboratory per 0.5 units.

Prerequisite: Concurrent enrollment in any Fashion Design Merchandising course.

Open Entry / Open Exit					
85544	11:00a-12:25p	Tu Th	Benson K	SAC T-201	06/17-08/07
85557	5:00p-7:05p	M W	Staff	SAC T-201	06/16-07/23

## FASHION DESIGN MERCHANDISING 052, KNIT SEWING 2.0 UNITS

Knit and stretch construction techniques to sew lingerie, bathing suits, jogging attire and knit shirts.

85553	2:15p-7:10p	M W	Staff	SAC T-201	06/16-07/23
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## FASHION DESIGN MERCHANDISING 055, CHILDREN'S CLOTHING 2.0 UNITS

Quick basic sewing techniques. Emphasis on individualizing designs to create a variety of functional, durable children's garments.

85533	10:00a-12:50p	Tu Th	Benson K	SAC T-201	06/17-08/07
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## FASHION DESIGN MERCHANDISING 056, BASIC SEWING AND ALTERNATIONS 1.0 UNIT

Basic sewing techniques used in the restyling and alteration of ready-made garments. Evaluation of fit and determination of appropriate styling changes emphasized.

85540	10:00a-12:05p	Tu Th	Benson K	SAC T-201	06/17-08/07
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## FASHION DESIGN MERCHANDISING 105A, BEGINNING SEWING 3.0 UNITS

Construction techniques for beginners with emphasis on learning how to use the sewing machine and reading a pattern. Students will construct a skirt, shirt, and lined garment. Coordinating woven fabrics, fitting patterns, and basic sewing techniques.

85523	10:00a-3:15p	Tu Th	Benson K	SAC T-201	06/17-08/07
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## FASHION DESIGN MERCHANDISING 105B, INTERMEDIATE SEWING 2.0 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.

85530	10:00a-1:30p	Tu Th	Benson K	SAC T-201	06/17-08/07
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## FASHION DESIGN MERCHANDISING 111A, FASHION SKETCHING 2.0 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.

85547	9:00a-2:05p	M W	Benson K	SAC T-201	06/16-07/23
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## FASHION DESIGN MERCHANDISING 111B, FASHION ILLUSTRATION 2.0 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.

85550	9:00a-1:45p	M W	Benson K	SAC T-201	06/16-07/23
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**FASHION DESIGN MERCHANDISING 215, COMPUTER FASHION ILLUSTRATION** **1.0 UNIT**  
 Computerized fashion illustration is taught using Lectra computer software. Student needs to know how to manually draw trade flats and posed figures prior to enrolling. Suggested preparation: Fashion Design Merchandising 111A.  
 85552 11:00a-1:30p M W Benson K SAC T-201 06/16-07/23

## FIRE TECHNOLOGY

**FIRE TECHNOLOGY 101, FIRE PROTECTION ORGANIZATION** **3.0 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.  
 85581 8:00a-12:15p Tu Th Freeman S SAC W-101 06/17-07/24


## FRENCH

**FRENCH 101, ELEMENTARY FRENCH 1** **5.0 UNITS**  
 A college level French course focusing on fundamentals of pronunciation and grammar, basic vocabulary (including common idioms), simple conversation and composition. Supplementary cultural readings. French 101 is equivalent to two years of high school French.  
 84966 8:00a-11:30a M Tu W Th Ernotte B SAC I-102 06/30-08/07

## GEOGRAPHY

**GEOGRAPHY 100, WORLD REGIONAL GEOGRAPHY** **3.0 UNITS**  
 The study of major world political and natural regions. Course study includes location of the regions on earth, the physical and cultural elements that lend the regions their identities, and ways in which these elements relate to the regions' inhabitants and economies.  
 84626 5:00p-9:15p Tu Th Jones K SAC I-102 06/17-07/24

## GEOLOGY

**GEOLOGY 101, INTRODUCTION TO GEOLOGY** **3.0 UNITS**  
 Introductory course for students in any major. Study of the internal and external processes that shape the earth (earthquakes, volcanoes, groundwater, streams, landslides). Optional field trip offered. Concurrent enrollment in Geology 101L is recommended.  
 84803 9:00a-1:15p M W Hughes P SAC R-111 06/16-07/23  
 Section 84803 Optional field trip offered. Concurrent enrollment in Geology 101L is recommended.

**GEOLOGY 101L, INTRODUCTION TO GEOLOGY LABORATORY** **1.0 UNIT**  
 Study of the common minerals and rocks. Map reading and interpretation of geology using topographic maps, geologic maps and aerial photos.  
 Prerequisite: Geology 101 or concurrent enrollment.  
 84806 9:00a-1:15p Tu Th Hughes P SAC R-111 06/17-07/24

## HISTORY

**HISTORY 101, WORLD CIVILIZATIONS TO THE 16TH CENTURY** **3.0 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.  
 84655 1:00p-5:15p M W Ghelfi G SAC I-103 06/16-07/23

**HISTORY 102, WORLD CIVILIZATIONS SINCE THE 16TH CENTURY** **3.0 UNITS**  
 Broad historical study of world civilizations and their interrelationships from the 16th century to the present. Ideas, institutions, personalities, and artistic achievements which have contributed to present-day society.  
 85479 2:00p-6:15p Tu Th Stanfield A SAC I-207 07/01-08/07

**HISTORY 120, THE UNITED STATES TO 1865** **3.0 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.  
 84657 8:00a-12:15p M W Ghelfi G SAC I-203 06/16-07/23  
 84659 9:00a-1:15p Tu Th Fernandez L SAC I-208 07/01-08/07

**HISTORY 121, THE UNITED STATES SINCE 1865** **3.0 UNITS**  
 A critical analysis of American history. Includes industrial and technological development, the changing nature of society, cultural developments, domestic politics, and America's expanded world role.  
 84678 8:00a-12:15p Tu Th Ghelfi G SAC A-203 06/17-07/24

**HISTORY 124, MEXICAN-AMERICAN HISTORY IN THE UNITED STATES** **3.0 UNITS**  
 Survey of Mexican-American history in the U.S. from the Pre-Columbian period to the present. Emphasis on Mexican-American contributions to the political, social, economic, and cultural development of the U.S. Will also examine the relationship of Mexican-Americans to other cultural groups.  
 84679 5:30p-9:45p M W Veyna A SAC I-201 06/16-07/24  
 84681 5:30p-9:45p Tu Th Veyna A SAC I-201 06/17-07/24


**HISTORY 127, WOMEN IN U.S. HISTORY** **3.0 UNITS**  
 Women of European, African, Native, Hispanic, and Asian backgrounds examined in U.S. 1607-present. Emphasis on individuation, social status, family, reproduction, child care, slavery, jobs, and political activism. Legal impact and theories of patriarchal oppression raised.  
 84683 8:30a-12:45p Tu Th Veyna A SAC I-203 06/17-07/24

## HUMAN DEVELOPMENT

**HUMAN DEVELOPMENT 070, EARLY CHILDHOOD EDUCATION: INTRODUCTORY PRINCIPLES & PRACTICES (DS3)** **3.0 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.  
 85389 6:00p-9:10p M W Staff SAC F-102 06/16-08/06


Section 85389 is a 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.

**HUMAN DEVELOPMENT 107, CHILD GROWTH AND DEVELOPMENT (DS1)** **3.0 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.

 85384 Valdez S SAC WEB 06/16-08/08  
 Section 85384 is online instruction. No on-campus meeting times. Students are required to log on to Blackboard on the first day of classes: <http://rscdd.blackboard.com>. Email instructor first week of class. (valdez\_susanne@sac.edu)

85385 9:00a-12:10p M W Staff SAC V-150 06/16-08/06  
 85388 6:00p-9:10p Tu Th Staff SAC V-151 06/17-08/07

**HUMAN DEVELOPMENT 110, CHILD, FAMILY AND COMMUNITY (DS2)** **3.0 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.

 85387 Valdez S SAC HYBRID 06/16-08/04  
 Valdez S SAC V-151  
 Section 85387 combines online instruction plus mandatory on-campus meetings on Mon, 06/16, 06/23, 06/30, 07/07, 07/14, 07/21, 07/28, 08/04 from 6:30p-9:30p, SAC V-151. Go to <http://rscdd.blackboard.com> for more information. Email instructor first week of class. (valdez\_susanne@sac.edu)

85386 9:00a-12:10p Tu Th Staff SAC V-150 06/17-08/07

**HUMAN DEVELOPMENT 200, COMPUTER LITERACY FOR EARLY CHILDHOOD EDUCATORS** **3.0 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.

85391 9:00a-12:10p M Tu Valdez S SAC T-203-1 06/16-08/05  
 85390 6:00p-9:10p Tu Th Naman T SAC T-203 06/17-08/07


**HUMAN DEVELOPMENT 205, EXCEPTIONALITY AND SPECIAL NEEDS IN HUMAN DEVELOPMENT** **3.0 UNITS**  
 Study of diseases and disorders found in children resulting in exceptional, including mental retardation; visual, speech, and hearing impairments; behavior disorders, learning disabilities and physical and health impairments. (Same as Special Services 205).  
 85392 6:00p-9:10p M W Silverman L SAC V-150 06/16-08/06

**HUMAN DEVELOPMENT 210, CREATIVE MUSIC EXPERIENCES FOR YOUNG CHILDREN** **1.5 UNITS**  
 Explores the basics of musical expression through movement, songs, rhythm and listening activities as used in the Early Childhood curriculum. Includes the study of musical growth and development in young children.  
 85393 7:00p-10:10p Tu Valdez S SAC A-130 06/17-08/05

**HUMAN DEVELOPMENT 214, CREATIVE ART EXPERIENCES FOR CHILDREN** **1.5 UNITS**  
 Emphasizes the child's (ages 2 through 8 years) ability to represent and expressively use art media. Includes theoretical as well as practical application and role of adult in fostering creativity.  
 85394 5:00p-10:20p Th Staff SAC V-150 06/19-08/07

**HUMAN DEVELOPMENT 230, CHILD GUIDANCE AND CLASSROOM MANAGEMENT** **2.0 UNITS**  
 This course will explore expectations about young children's behavior and the importance of teacher interaction skills in addressing and dealing with behavior issues. Behavior expectations will be defined, skills for dealing with various behaviors will be developed and a file of community resources in regards to behavioral issues will be created. It is advised that participants take this course in conjunction with working in a classroom setting.  
 85395 6:30p-8:35p Tu Th Torresluna J SAC F-102 06/17-08/07

## KINESIOLOGY ACTIVITIES

**KINESIOLOGY ACTIVITIES 123, PERSONAL FITNESS TRAINING** **1.0 UNIT**  
 Activity course designed to assist students in mastering effective lifestyles, nutritional cardiovascular and resistance training techniques crucial for personal fitness and personal growth. Goal setting and motivation, time management, stress management, as well as development of an individual fitness routine and execution of that routine are the primary topics.  
 84947 Jones G SAC WEB 06/16-07/25

Section 84947 online instruction. No on-campus meeting times. Students are required to log on to Blackboard on the first day of classes: <http://rscdd.blackboard.com>. Email instructor first week of class. (jones\_geoff@sac.edu)

**KINESIOLOGY ACTIVITIES 169, WRESTLING** **1.0 UNIT**  
 Fundamentals of wrestling skills and techniques. Take-downs, escape, analysis of opponents strengths and weaknesses will be considered. Student will master rules, regulations, and ethics of the activity.  
 85302 7:00p-9:40p M Tu Th Silva V SAC W-111 06/30-08/07

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SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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**KINESIOLOGY ACTIVITIES 170, YOGA 1.0 UNIT**

An exercise program involving postures to increase flexibility and core muscle strength as a way of improving and enhancing physical and mental alertness.

85743	7:30a-9:35a	M Tu W Th	Anderson R	SAC W-107	06/30-08/07
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**KINESIOLOGY ACTIVITIES 211, BASEBALL - OFF SEASON 1.0 UNIT**

Advanced fundamentals of fielding, throwing and hitting. Includes play situations with an emphasis on team offensive and defensive strategy.

85741	3:00p-7:15p	M W	Staff	SAC G-115	06/30-08/06
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**KINESIOLOGY ACTIVITIES 220A, BEGINNING BASKETBALL 1.0 UNIT**

Co-educational team sport activity which provides basic skills and techniques are refined at the beginner level. Rules, game strategies and competitive activities are included.

84941	2:00p-4:00p	M W	Breig D	SAC G-105	06/30-08/07
	4:10p-6:10p	Tu Th		SAC G-105	

**KINESIOLOGY ACTIVITIES 220C, ADVANCED BASKETBALL 1.0 UNIT**

Co-educational team sport activity for students with advanced skills. Review of basic fundamental skills and emphasis on advanced development of skills and strategies associated with competitive basketball.

Prerequisite: KNAC 220B with a minimum grade of C.

85710	2:00p-4:00p	M W	Breig D	SAC G-105	06/30-08/07
	4:10p-6:10p	Tu Th		SAC G-105	

85695	4:10p-6:10p	M W	Luppani M	SAC G-105	06/30-08/07
	2:00p-4:00p	Tu Th		SAC G-105	

85707	4:10p-6:10p	M W	Luppani M	SAC G-105	06/30-08/07
	2:00p-4:00p	Tu Th		SAC G-105	

**KINESIOLOGY ACTIVITIES 260A, SOCCER-BEGINNING/INTERMEDIATE 1.0 UNIT**

This course is designed to introduce/better acquaint students to the game of (outdoor) soccer. Emphasis is placed on rules, techniques, safety and improving performance.

85670	5:05p-7:10p	M Tu W Th	Vasquez J	SAC G-118	06/30-08/07
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**KINESIOLOGY ACTIVITIES 260B, SOCCER-INTERMEDIATE/ADVANCED 1.0 UNIT**

This course is designed to review and solidify techniques and tactics associated with the game of outdoor soccer. Instruction focuses on improving performance in all aspects of the game: defense, midfield, attack and special situations.

85671	5:05p-7:10p	M Tu W Th	Vasquez J	SAC G-118	06/30-08/07
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**KINESIOLOGY ACTIVITIES 292, ADVANCED VOLLEYBALL-WOMEN 1.0 UNIT**

An advanced volleyball course designed for female athletes who have intercollegiate, USA club, or varsity high school volleyball experience. Emphasis will be placed on advanced technical skill development, offensive and defensive systems analysis, and sport specific physical fitness assessment and conditioning activities.

84928	6:10p-9:40p	M Tu Th	Abbey T	SAC G-105	06/30-08/07
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# KINESIOLOGY ADAPTED ACTIVITIES

**KINESIOLOGY ADAPTED ACTIVITIES 201, ADAPTED SWIMMING 1.0 UNIT**

Emphasis will be on individually structured aquatic programs for students with disabilities.

Prerequisite: Adapted Kinesiology Medical Release Form required.

85317	11:00a-1:05p	M Tu W Th	Sos B	SAC G-121	06/16-07/24
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# KINESIOLOGY AEROBIC FITNESS

**KINESIOLOGY AEROBIC FITNESS 146A, BEGINNING STABILITY BALL 1.0 UNIT**

A core training and strengthening workout using stability balls and free weights (dumbbells) to build core strength and functional fitness. Designed to tone the entire body with special emphasis on progressively improving posture, balance, flexibility, core strength and coordination.

84943	11:30a-1:35p	M Tu W Th	Breig D	SAC W-107	06/30-08/07
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**KINESIOLOGY AEROBIC FITNESS 146B, INTERMEDIATE STABILITY BALL TRAINING 1.0 UNIT**

An intermediate core training and strengthening workout using stability balls and free weights (dumbbells) to build core strength and functional fitness. Designed to tone the entire body with special emphasis on progressively improving posture, balance, flexibility, core strength and coordination.

Prerequisite: KNAF 146A with a minimum grade of C

85739	11:30a-1:35p	M Tu W Th	Breig D	SAC W-107	06/30-08/07
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SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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**KINESIOLOGY AEROBIC FITNESS 156A, BEGINNING CARDIO KICKBOXING 1.0 UNIT**

A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. Kicks, punches, calisthenics and rope jumping are combined to elevate heart rate and strengthen all major muscle groups. Students will learn to apply these self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles.

85737	9:00a-11:05a	M Tu W Th	Breig D	SAC G-105	06/16-07/24
85786	5:30p-7:35p	M Tu W Th	Howell A	SAC W-107	06/16-07/24

**KINESIOLOGY AEROBIC FITNESS 156B, INTERMEDIATE CARDIO KICKBOXING 1.0 UNIT**

A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. This class is designed to increase competence in kicking and punching, calisthenics and rope jumping in various combinations to improve fitness. Students will further develop intermediate level self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles.

Prerequisite: KNAF 156A with a minimum grade of C

85738	9:00a-11:05a	M Tu W Th	Breig D	SAC G-105	06/16-07/24
85788	5:30p-7:35p	M Tu W Th	Howell A	SAC W-107	06/16-07/24

# KINESIOLOGY AQUATICS

**KINESIOLOGY AQUATICS 201, SWIMMING 1.0 UNIT**

Instruction and experience in the basic stroke techniques and safety procedures of swimming.

84952	2:00p-4:00p	M Tu W Th	Staff	SAC G-121	06/16-07/24
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# KINESIOLOGY FITNESS

**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:** Mon-Thurs 8:00a-1:00p and 5:00p-7:00p, Room E-102, (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. Only one section of KNFI 109A, 109B, or 109C can be taken per semester.

**KINESIOLOGY FITNESS 109A, BEGINNING CIRCUIT TRAINING 0.5 UNIT**

An introduction to fundamental principles and practices of circuit training including: safety, using cardiovascular and resistance machines, components of exercise. This course provides the basics of a comprehensive exercise program that combines cardiovascular exercises with strength training.

85623	TBA		Luppani M	SAC E-102	06/16-07/24
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**KINESIOLOGY FITNESS 109B, INTERMEDIATE CIRCUIT TRAINING 0.5 UNIT**

A continuation of exercise principles and practices of circuit training covered in Beginning Circuit Training. This course is designed to help students increase cardiovascular conditioning using a combination of resistive strength exercises and endurance training. Must complete Beginning Circuit Training prior to enrollment.

85629	TBA		Luppani M	SAC E-102	06/16-07/24
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**KINESIOLOGY FITNESS 109C, ADVANCED CIRCUIT TRAINING 0.5 UNIT**

An individualized fitness program developed to promote lifetime fitness. Employs a combination of cardiovascular machines (treadmill, steppers, bicycles, elliptical, rower, etc and resistance machines). This course is designed as a continuation of Intermediate Circuit Training and promotes increased cardiovascular and muscular endurance. Educates students on the principles of nutrition and the body's adaptation to exercise.

85631	TBA		Luppani M	SAC E-102	06/16-07/24
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# KINESIOLOGY HEALTH EDUCATION

**KINESIOLOGY HEALTH EDUCATION 101, HEALTHFUL LIVING 3.0 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.

85298			Nyssen A	SAC WEB	06/30-08/08
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Section 85298 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>. Email instructor first week of class. (nyssen\_adam@sac.edu)

85316			Sos B	SAC WEB	06/16-07/25
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Section 85316 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>. Email instructor first week of class. (sos\_brian@sac.edu)

84945			Breig D	SAC WEB	06/16-07/25
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Section 84945 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>. Email instructor first week of class. (breig\_david@sac.edu)

84946			Breig D	SAC WEB	06/30-08/08
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Section 84946 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>. Email instructor first week of class. (breig\_david@sac.edu)

84950			Siddons A	SAC WEB	06/16-07/25
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Section 84950 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>. Email instructor first week of class. (siddons\_al@sac.edu)

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<http://twitter.com/SantaAnaCollege>

**KINESIOLOGY HEALTH EDUCATION 102, WOMEN'S HEALTH ISSUES** **3.0 UNITS**

An investigation into traditional and holistic health topics with a special emphasis on women's issues, considering all aspects and concepts of social and political influences, nutrition and fitness, relationships, sexuality, reproductive issues and careers. Through analysis of these topics, students apply methods to healthy lifestyle choices.

84949			Nutter K	SAC WEB	06/30-08/08
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Section 84949 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>. Email instructor first week of class. (nutter\_kim@sac.edu)

84940			Coffman J	SAC WEB	06/16-07/25
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Section 84940 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>. Email instructor first week of class. (coffman\_jodi@sac.edu)

**KINESIOLOGY HEALTH EDUCATION 104, NUTRITION AND FITNESS** **2.0 UNITS**

An applied nutrition course to improve the nutrition and health of active individuals. The course will focus on lifestyle, disease prevention, fitness, weight control, and the basic concepts of good nutrition.

84935	TBA		Abbey T	SAC WEB	06/16-07/25
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Section 84935 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>. Email instructor first week of class. (abbey\_troy@sac.edu)

84936	TBA		Abbey T	SAC WEB	06/30-08/08
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Section 84936 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>. Email instructor first week of class. (abbey\_troy@sac.edu)

# KINESIOLOGY INTERCOLLEGIATE ATHLETICS

**KINESIOLOGY INTERCOLLEGIATE ATHLETICS 124, CONDITIONING FOR ATHLETES-MEN** **1.0 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.

85310	7:20p-9:25p	M Tu W Th	Vasquez J	SAC G-118	06/30-08/07
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**KINESIOLOGY INTERCOLLEGIATE ATHLETICS 128, CONDITIONING FOR ATHLETES-WOMEN** **1.0 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.

85621	11:05a-1:10p	M Tu W Th	Rapoza J	SAC G-120	06/30-08/07
85622	5:45p-7:50p	M Tu W Th	Rapoza J	SAC G-118	06/30-08/07

**KINESIOLOGY INTERCOLLEGIATE ATHLETICS 227, OFF SEASON WATER POLO** **1.0 UNIT**

Instruction and experience in the fundamentals and strategies of the sport of water polo.

85313	6:00a-8:05a	M Tu W Th	Reyes A	SAC G-121	06/30-08/07
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**KINESIOLOGY INTERCOLLEGIATE ATHLETICS 231, FOOTBALL CAMP** **1.0 UNIT**

This is an intensive course designed to prepare student athlete for a season of competition in intercollegiate football. It will include field work, classroom meeting time, and resistance training. Students must have a health screening to participate.

84948	5:00p-5:30p	M Tu W Th	Jones G	SAC G-113	06/30-08/07
	5:30p-6:55p	M Tu W Th	Nyssen A	SAC G-113	

**KINESIOLOGY INTERCOLLEGIATE ATHLETICS 261, SOCCER-WOMEN** **1.0 UNIT**

A high-level, competitive conditioning and skills program in soccer for women athletes with exceptional athletic talent.

85617	3:30p-5:35p	M Tu W Th	Rapoza J	SAC G-118	06/30-08/07
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**KINESIOLOGY INTERCOLLEGIATE ATHLETICS 270, SOFTBALL** **0.5 UNIT**

Fundamentals of fielding, throwing, hitting, and base running. Includes play situations and an emphasis on team offensive and defensive strategy.

85657	1:20p-2:35p	M Tu W Th	Rapoza J	SAC G-120	06/30-08/07
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# KINESIOLOGY PROFESSIONAL

**KINESIOLOGY PROFESSIONAL 150, SPORT AND SOCIETY** **3.0 UNITS**

Examines the role of sport in modern society. Looks at how sport influences and shapes global attitudes among nations. Investigates the historical, social, economic and political impact of sport on society.

84953			Luppani M	SAC WEB	06/16-07/25
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Section 84953 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Email instructor first week of class. (luppani\_flo@sac.edu)

84954			Luppani M	SAC WEB	06/30-08/08
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Section 84954 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Email instructor first week of class. (luppani\_flo@sac.edu)

# MANAGEMENT

**MANAGEMENT 120, PRINCIPLES OF MANAGEMENT** **3.0 UNITS**

Principles, methods, and procedures essential to the successful management of human and financial resources. Planning, decision making, staffing, directing, motivating, leading, communicating, controlling and the application of managerial skills. (Same as Business 120.)

84931			Shweiri G	SAC WEB	06/16-08/08
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Section #84931 Online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Make sure your current email address is in personal information.

85468	6:00p-9:10p	Tu Th	Russo J	SAC A-205	06/17-08/07
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**MANAGEMENT 122, BUSINESS COMMUNICATIONS** **3.0 UNITS**

Overview of oral and written communication skills used in business; emphasizes guidelines for improving writing and speaking skills, common solutions to common communication problems, ethical issues facing business communicators today, instructions on how to identify areas of legal vulnerability, and tested techniques for communicating successfully in today's high-tech, international business environment. Suggested preparation: English 061 or English for Multi-lingual Students 112 or American College English 116.

84932	9:00a-1:15p	Tu Th	Woolgar D	SAC A-108	07/01-08/07
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# MANUFACTURING TECHNOLOGY

**MANUFACTURING TECHNOLOGY 058, BASIC MACHINING CONCEPTS AND OPERATIONS** **3.0 UNITS**

Fundamental operations on lathes, milling machines, grinders and drill presses, including precision measurements and layout. Equips students with skills and theory necessary to enter or upgrade within the machinist trade. Concurrent enrollment in Manufacturing Technology 011 recommended.

85466	5:30p-9:35p	M Tu W Th	Bright T	SAC T-107	06/16-08/07
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**MANUFACTURING TECHNOLOGY 073, MASTERCAM - 2D GEOMETRY, 2D TOOLPATHS** **3.0 UNITS**

Computer assisted numerical control programming of machine tools using mastercam software. Creation of 2D-part geometry. 2D-part programming including contouring, pocketing, drilling, and tapping. Suggested preparation: Manufacturing Technology 071.

85469	6:00p-9:10p	Tu Th	Singh N	SAC T-203-1	06/17-08/07
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**MANUFACTURING TECHNOLOGY 078, MASTERCAM LATHE** **3.0 UNITS**

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

Prerequisite: Manufacturing Technology 071, 073, and 076 with a minimum grade of C

85471	6:00p-9:10p	M W	Singh N	SAC T-203-1	06/16-08/06
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**MANUFACTURING TECHNOLOGY 103, SOLIDWORKS BASIC SOLID MODELING** **3.0 UNITS**

Introductory course in parametric solid modeling. This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc), including the preparation of individual solid components and basic solid model assemblies. (Same as Engineering 103.) Suggested preparation: MNFG 011

85627	9:00a-12:10p	Tu Th	Kanzler D	SAC T-203	06/17-08/07
85472	5:00p-8:10p	M W	Kanzler D	SAC T-203	06/16-08/06

# MARKETING

**MARKETING 113, PRINCIPLES OF MARKETING** **3.0 UNITS**

The process of developing products that will satisfy the many needs of consumers and businesses. Includes market research techniques, pricing, distribution, and promotion.

84933			Russo J	SAC WEB	06/16-08/08
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Section #84933 Online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Make sure your current email address is in personal information.

# MATHEMATICS

**MATHEMATICS N06, ESSENTIAL MATHEMATICS** **3.0 UNITS**

Reviews whole numbers, fractions, decimals, percents, geometric formulas and signed numbers. Not applicable to associate degree.

Prerequisite: Must obtain a score of 11 or higher on the Level 1 Math Placement Test.

84755	11:00a-1:50p	M Tu W Th	Solheid C	SAC L-207	06/30-08/07
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**MATHEMATICS N48, PRE-ALGEBRA/ALGEBRA BASICS** **4.0 UNITS**

For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, algebraic operations. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to associate degree.

Prerequisite: Mathematics N05C 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.

84756	8:00a-10:50a	M Tu W Th	Rogers N	SAC R-113	06/16-07/24
84757	2:45p-5:35p	M Tu W Th	Hashemi S	SAC R-113	06/30-08/07
84758	6:00p-8:50p	M Tu W Th	Galima L	SAC R-113	06/30-08/07

**MATHEMATICS 060, ELEMENTARY ALGEBRA** **4.0 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).

84720	8:00a-10:50a	M Tu W Th	Lechuga J	SAC H-104	06/30-08/07
84721	3:00p-5:50p	M Tu W Th	Hoang K	SAC H-104	06/16-07/24
84723	6:00p-8:50p	M Tu W Th	Mahoney J	SAC H-107	06/16-07/24

**MATHEMATICS 080, INTERMEDIATE ALGEBRA** **4.0 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.

84724	7:30a-11:00a	M Tu W Th	Everett M	SAC H-109	06/16-07/24
84728	8:00a-11:30a	M Tu W Th	Leeds K	SAC H-107	06/30-08/07
84727	9:00a-12:30p	M Tu W Th	Vu D	SAC R-114	06/30-08/07
84731	1:00p-4:30p	M Tu W Th	Meier K	SAC I-203	06/16-07/24
84726	5:00p-8:30p	M Tu W Th	Maiah A	SAC H-109	06/16-07/24

**MATHEMATICS 105, MATHEMATICS FOR LIBERAL ARTS STUDENTS 3.0 UNITS**

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

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	84732	3:00p-5:50p	M Tu W Th	Do M	SAC R-318	06/16-07/24
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**MATHEMATICS 140, COLLEGE ALGEBRA 4.0 UNITS**

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

Prerequisite: Mathematics 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	85879	6:00p-8:00p	Th	Solheid C Solheid C	SAC HYBRID SAC R-114	06/16-08/08
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Section 85879 Students must apply to participate in the Online Degree Pathway Program. Please contact Distance Education in office A-101 or email at sac\_disted@sac.edu for details.

CAI	84733	11:30a-2:20p	M Tu W Th	Cedeno J	SAC H-105	06/16-07/24
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**MATHEMATICS 150, CALCULUS FOR BIOLOGICAL, MANAGEMENT AND SOCIAL SCIENCES 4.0 UNITS**

Single and multi-variable calculus including limits, derivatives, integrals, exponentials and logarithmic functions and partial derivatives. Applications are drawn from Biology, Social Science and Business.

Prerequisite: Mathematics 140 or Mathematics 145 with a grade of C or better; placement into Mathematics 150 on the Mathematics level 3 placement exam and a course equivalent to Mathematics 140.

CAI	84734	6:00p-9:30p	M Tu W Th	Minasian A	SAC H-105	06/30-08/07
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**MATHEMATICS 160, TRIGONOMETRY 4.0 UNITS**

Angles and their measurement, trigonometry functions and their applications, including vector problems. Use of trigonometric identities. Graphing the basic functions and variations, solving trigonometric equations. Graphing using polar coordinates, and use of complex numbers.

Prerequisite: 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.

CAI	84735	8:00a-10:50a	M Tu W Th	Yi P	SAC R-318	06/16-07/24
	84736	1:00p-3:50p	M Tu W Th	Camacho O	SAC H-107	06/30-08/07

**MATHEMATICS 170, PRE-CALCULUS MATHEMATICS 4.0 UNITS**

Advanced algebraic topics. Study of rational, trigonometric, exponential and logarithmic functions, and analytic geometry. Preparation for Mathematics 180.

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	84739	9:00a-12:30p	M Tu W Th	Sweeney G	SAC I-204	06/16-07/24
	84737	11:45a-3:15p	M Tu W Th	Lieu T	SAC H-109	06/30-08/07

**MATHEMATICS 180, ANALYTIC GEOMETRY AND CALCULUS 4.0 UNITS**

Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates and areas.

Prerequisite: Mathematics 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.

	84742	11:15a-2:45p	M Tu W Th	Hager B	SAC H-104	06/30-08/07
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**MATHEMATICS 185, ANALYTIC GEOMETRY AND CALCULUS 4.0 UNITS**

Applications of integrals, including volumes, work, arc length, and surface area. Integration techniques, differential equations, conics, parametric equations, polar coordinates, improper integrals, sequences and infinite series.

Prerequisite: Mathematics 180 or 180H, first semester calculus, with a grade of C or better.

CAI	84744	6:00p-9:30p	M Tu W Th	Ryan J	SAC H-104	06/30-08/07
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**MATHEMATICS 219, STATISTICS AND PROBABILITY 4.0 UNITS**

Beginning course in statistics. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes use of technology. (Same as Social Science 219.)

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.

	84750	11:30a-3:00p	M Tu W Th	Everett M	SAC H-108	06/16-07/24
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CAI	84753	5:00p-8:30p	M Tu W Th	Elgindi I	SAC L-207	06/30-08/07
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CAI	84746	6:00p-9:30p	M Tu W Th	Bui M	SAC H-108	06/30-08/07
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## MEDICAL ASSISTANT

**MEDICAL ASSISTANT 051A, BEGINNING MEDICAL TERMINOLOGY 3.0 UNITS**

Introduction to medical terms including structural analysis of prefixes, combining form/roots, and suffixes. Emphasis on terms related to anatomy, physiology, diagnostic tests and pathology of the digestive, renal-urinary, and reproductive systems. Also terms related to pregnancy and the newborn.

	84853	8:00a-12:15p	M Tu	Emley C	SAC R-307	06/16-07/22
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**MEDICAL ASSISTANT 053, MEDICAL ASSISTANT - ADMINISTRATIVE FRONT OFFICE 3.0 UNITS**

Medical front office training including the role, responsibilities, professionalism, medical ethics and laws, medical records, filing, billing and collection, banking, bookkeeping, reception, telephone techniques, oral and written communication, resume and job seeking skills. Also includes a unit on office first aid and life threatening illnesses.

	84854	5:00p-9:15p	Tu Th	Emley C	SAC R-307	06/17-07/24
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**MEDICAL ASSISTANT 056, COMPUTER APPLICATIONS FOR THE MEDICAL OFFICE 3.0 UNITS**

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

	84855	12:30p-4:45p	Tu Th	Seitz C	SAC R-303-1	06/17-07/24
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## MUSIC

**MUSIC 101, MUSIC APPRECIATION 3.0 UNITS**

Designed to increase awareness and appreciation of music from the European classical tradition in relation to general culture and history. Develops basic understanding of musical elements and deepens student's experience of music. Recommended for non-music majors.

85162			Lopez D	SAC WEB	06/16-07/25
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Section 85162 No on-campus meetings. Enrolled students are required to logon to

Blackboard on the first day of classes <http://rscdd.blackboard.com>.

Email instructor the first week of class (lopez\_davidf@sac.edu).

85163	6:00p-10:20p	Tu Th	Jin J	SAC N-114	06/17-07/24
85164	6:00p-10:10p	M W	Jones J	SAC N-114	06/30-08/06

**MUSIC 103, JAZZ IN AMERICA 3.0 UNITS**

A historical survey of the development and evolution of jazz in America from its earliest roots in African and European music. The study will also include the social and economic conditions which influenced this art form.

85165	9:00a-1:15p	M W	Kehlenbach E	SAC N-114	06/16-07/23
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**MUSIC 161, CLASS PIANO I 1.0 UNIT**

Group instruction for beginners emphasizing note reading, basic keyboard skills, chord patterns and sight reading. Practice outside of class required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.

85166	6:00p-7:20p	M W	Blake P	SAC N-106	06/16-08/06
	7:30p-8:50p	M W	Blake P	SAC N-106	

**MUSIC 169, HARMONIZATION AT THE KEYBOARD 1.0 UNIT**

Beginning keyboard harmonization skills. Includes playing by ear and learning accompaniment patterns in several styles from simple chord progressions. Music 161 or elementary piano ability recommended.

85167	6:00p-7:20p	Tu Th	Kehlenbach E	SAC N-106	06/17-07/24
	7:30p-8:50p	Tu Th	Kehlenbach E	SAC N-106	

## NURSING-REGISTERED

**NURSING-REGISTERED 103, PHARMACOLOGICAL CONCEPTS OF NURSING 3.0 UNITS**

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.

Prerequisite: English 101 or English 101H, Biology 239, Biology 249, Biology 139 or 229.

84848	1:00p-5:15p	M Tu	Paunovic M	SAC R-128	06/16-07/22
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NRN-103 is part of the multi-criteria admission process for points. This course no longer requires a letter from Nursing to take the course prior to the first semester of the Nursing Program.

**NURSING-REGISTERED 112, NURSING CONCEPTS 1.5 UNITS**

Emphasizes development of the registered nurse including role, communication, nursing process, legal and ethical concepts, test taking strategies, the Santa Ana Conceptual Framework for Nursing, nutrition and medical terminology. Completion required prior to entry into Nursing-Registered 102/102L.

Prerequisite: English 101 or Eng 101H, Biology 149 or Biology 239, Biology 249, Biology 139 or 229.

84852	6:00p-9:10p	W Th	Haglund B	SAC R-128	06/18-07/10
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NRN-112 is part of the multi-criteria admission process for points. This course no longer requires a letter from Nursing to take the course prior to the first semester of the Nursing Program.

## NUTRITION & FOOD

**NUTRITION & FOOD 115, NUTRITION 3.0 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.

85561			Mathot S	SAC WEB	06/16-07/25
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Section 85561 online instruction. Mandatory orientation meeting on Mon., 06/16, 6:30p-8:30p,

SAC T-212. Students are required to logon to Blackboard on the first day of class:

<http://rscdd.blackboard.com>. Email instructor first week of class. (mathot\_sarah@sac.edu)

## PARALEGAL

**PARALEGAL 101, LAW OFFICE MANAGEMENT 2.0 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.

84860			Manzano F	SAC WEB	06/16-08/08
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Section 84860 online instruction. No on-campus meeting times.

Students are required to logon to Blackboard on the first day of class.

**PARALEGAL 120, COMPUTERS IN THE LAW OFFICE 4.0 UNITS**

Basic computer concepts for law office personnel. The focus will be on current hardware and software used in the law office.

84861	6:00p-10:10p	Tu Th	Keck E	SAC A-108	06/17-08/07
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**PARALEGAL 121, ETHICS AND PROFESSIONAL RESPONSIBILITY** **2.0 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.

84862			Manzano F	SAC WEB	06/16-08/08
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Section 84862 online instruction. No on-campus meeting times.  
 Students are required to logon to Blackboard on the first day of class.

**PARALEGAL 122, ELDER LAW** **2.0 UNITS**  
*Law and procedures for the aging population. Interviewing, advance directives, wills, trusts, guardianships, patients' rights in healthcare decisions, entitlement programs, managed care, long-term care insurance, viatical settlements, living facilities, financial planning, social security, and elder abuse.*  
 Prerequisite: Paralegal 100 or concurrent enrollment.

84863	6:00p-10:10p	M	Staff	SAC A-205	06/16-08/04
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**PARALEGAL 134, PROBATE LAW AND PROCEDURE** **2.0 UNITS**  
*Probate and estate planning procedures. Skills required to draft probate documents, assist attorneys in administration of estates, monitoring asset and fiduciary accountings. Basic probate laws, wills, trusts and taxes.*  
 Prerequisite: Paralegal 100 or concurrent enrollment.

84864	6:00p-10:10p	W	Staff	SAC A-205	06/18-08/06
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## PHARMACY TECHNOLOGY

**PHARMACY TECHNOLOGY 048, INTRODUCTION TO PHARMACY TECHNOLOGY** **2.0 UNITS**  
*Overview of the SAC Pharmacy Technician training program. Definition of the roles and preview of the opportunities open to pharmacy technicians in various practice settings. Presentation of pharmaceutical dosage forms, the drug development process, and drug classification systems. Introduction to prescription labeling and to the law and ethics of pharmacy practice.*

85497	5:00p-7:05p	M W	Ross Jr J	SAC H-210	06/16-08/06
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**PHARMACY TECHNOLOGY 051, BODY SYSTEMS I** **3.5 UNITS**  
*Anatomy, physiology, pathology, and pharmacology of the musculoskeletal, respiratory, renal, and cardiovascular systems. Basic terminology, with emphasis on word analysis and construction, medical abbreviations, and lay terms. Trade/generic names and indications for each body system.*

85613	6:00p-9:35p	Tu Th	Nguyen H	SAC H-210	06/17-08/07
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**PHARMACY TECHNOLOGY 054, PHARMACY CALCULATIONS** **2.0 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.*

85614	7:15p-9:20p	M W	Ross Jr J	SAC H-210	06/16-08/06
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**PHARMACY TECHNOLOGY 072, PHARMACY TECHNOLOGY EXTERNSHIP** **0.5 - 6.0 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: Completion of the following classes are pre-requisites for the respective Externship Rotation: Phar 056: Retail Pharmacy Externship Rotation Phar 057 and Phar 056: Inpatient Externship (hospital) and Retail Externship Phar 060: Sterile Products Externship Classes need to be completed with grades of C or better: current TB clearance; Communication Studies 097, 101, 101H or 102.  
 Open Entry / Open Exit

85498	TBA		Huynh-Dang K	SAC H-210	06/09-08/17
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**PHARMACY TECHNOLOGY 080, PHARMACY CALCULATIONS REVIEW** **2.0 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.

85615	7:15p-9:20p	M W	Ross Jr J	SAC H-210	06/16-08/06
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## PHILOSOPHY

**PHILOSOPHY 106, INTRODUCTION TO PHILOSOPHY** **3.0 UNITS**  
*A survey of historical and contemporary ideas on how to live the good life.*

84722	8:30a-12:45p	M W	Shigematsu T	SAC W-101	06/16-07/23
84685	6:00p-10:15p	Tu Th	Blake H	SAC A-128	07/01-08/07

**PHILOSOPHY 108, ETHICS** **3.0 UNITS**  
*Introduction to key historical and modern theories of philosophical ethics and the application of these theories to ethical issues facing society today. Assists in clarifying our thinking about morality/ethics. Course increases awareness of values in personal and contemporary issues.*

84689	6:00p-10:15p	M W	Fish Z	SAC I-209	06/30-08/06
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**PHILOSOPHY 110, CRITICAL THINKING** **4.0 UNITS**  
*College-level critical thinking and writing. Promotes self-awareness, independent thinking, and improved academic expression. Examines philosophical methods of reasoning and composition, and the uses of informal logic and criticism in personal life, college, work, and democratic society.*  
 Prerequisite: English 101 or 101H with a grade of C or better

84715	6:00p-10:00p	M Tu W	Shigematsu T	SAC I-203	06/16-07/23
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**PHILOSOPHY 111, INTRODUCTORY LOGIC** **4.0 UNITS**  
*Beginning course in formal and applied logic. Covers cognitive language, formal argument, proof, basic propositional and predicate logic, and philosophy of logic. Emphasizes active student involvement and practical application to college life.*

84716	8:00a-11:50a	M Tu W	Fish Z	SAC I-207	06/30-08/06
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## PHOTOGRAPHY

**PHOTOGRAPHY 180, BEGINNING PHOTOGRAPHY** **3.0 UNITS**  
*This course provides students with an introduction to visual concepts, basic image capture and camera functions with digital cameras. Software basics for photographic imaging and digital printing, along with digital printing will be taught.*  
**Material Fee(s): \$15.00**

85116	11:00a-12:50p 1:00p-3:50p	Tu W Th Tu W Th	Goytia-Galvan Y Goytia-Galvan Y	SAC A-219 SAC A-219	06/17-07/24
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## POLITICAL SCIENCE

**POLITICAL SCIENCE 101, INTRODUCTION TO AMERICAN GOVERNMENTS** **3.0 UNITS**  
*Study of United States national government and California state and local governments. Satisfies graduation requirement for American institutions and state requirements for California state government.*

84725	8:00a-12:15p	M W	Andrade P	SAC A-128	06/16-07/23
84751	8:00a-12:15p	Tu Th	Valenzuela E	SAC A-130	07/01-08/07
84730	8:00a-10:05a	M Tu W Th	Murphy T	SAC U-201A	06/30-08/07
84783	10:00a-2:15p	Tu Th	Cargile I	SAC F-102	06/17-07/24
84718	11:00a-1:05p	M Tu W Th	Murphy T	SAC U-201A	06/30-08/07
84749	1:00p-5:15p	M W	Andrade P	SAC A-130	06/16-07/23
84729	5:30p-9:45p	Tu Th	Petri M	SAC A-210	07/01-08/07
84717	6:00p-10:15p	M W	Becker C	SAC A-130	06/30-08/06

## PSYCHOLOGY

**PSYCHOLOGY 100, INTRODUCTION TO PSYCHOLOGY** **3.0 UNITS**  
*An introduction to the major theories, methods, concepts, ethical issues, and findings in the major fields in psychology including (but not limited to): research methods, biological bases of behavior, perception, learning, memory, cognition, emotion, motivation, development, personality, social, and abnormal psychology.*

84788	8:00a-12:15p	M W	Ortiz F	SAC B-11	06/30-08/06
84805	8:00a-10:05a	M Tu W Th	Pedroza J	SAC I-202	06/16-07/24
84801	10:30a-12:35p	M Tu W Th	Pedroza J	SAC I-202	06/16-07/24
84790	5:30p-9:45p	Tu Th	Castillo R	SAC B-11	07/01-08/07
84812	5:30p-7:35p	M Tu W Th	Ortiz F	SAC I-106	06/16-07/24
84811	6:00p-10:15p	M W	Castillo R	SAC B-11	06/30-08/06

**PSYCHOLOGY 200, INTRODUCTION TO BIOLOGICAL PSYCHOLOGY** **3.0 UNITS**  
*Explores relationships between physiological structures of the body and human behavior. Focuses on the organization and function of the brain, spinal cord, peripheral nervous system, glands, sensory and perceptual systems. Relates physiological functioning to motivated behavior, addiction, and psychological disorders.*

84813	1:00p-5:15p	Tu Th	Ortiz F	SAC B-11	07/01-08/07
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## READING

**READING N80, FUNDAMENTALS OF READING** **3.0 UNITS**  
*Instruction in basic reading skills including techniques for improving vocabulary and spelling, word attack skills, and reading comprehension. Not applicable to associate degree.*

84833	9:00a-1:15p	Tu Th	Madison M	SAC F-103	07/01-08/07
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**READING N90, COLLEGE READING** **3.0 UNITS**  
*Instruction in vocabulary, comprehension, critical evaluation and reading rate.*

84834	9:00a-1:15p	Tu Th	Gilreath G	SAC G-106	07/01-08/07
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**READING 150, CRITICAL READING** **3.0 UNITS**  
*This course addresses the relationship between critical reading and critical thinking, including emphasis on the development of critical reading and thinking skills that facilitate the interpretation, analysis, criticism, and advocacy of ideas encountered in academic reading. Completion of or concurrent enrollment in English 101 recommended.*

84821	8:00a-12:15p	M W	Gilreath G	SAC V-151	06/30-08/06
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## SIGN LANGUAGE

**SIGN LANGUAGE 110, AMERICAN SIGN LANGUAGE I** **3.0 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.*

85288	9:00a-12:00p	Tu W Th	Staff	SAC I-206	06/17-07/24
85308	1:00p-4:00p	Tu W Th	Staff	SAC I-206	07/01-08/07

## SOCIAL SCIENCE

**SOCIAL SCIENCE 219, STATISTICS AND PROBABILITY** **4.0 UNITS**  
*Beginning course in statistics. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes use of technology. (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.

84752	11:30a-3:00p	M Tu W Th	Everett M	SAC H-108	06/16-07/24
84754	5:00p-8:30p	M Tu W Th	Elgindi I	SAC L-207	06/30-08/07
84747	6:00p-9:30p	M Tu W Th	Bui M	SAC H-108	06/30-08/07

# SOCIOLOGY

<b>SOCIOLOGY 100, INTRODUCTION TO SOCIOLOGY</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>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.</i>					
84835	8:00a-12:15p	Tu Th	Wood S	SAC I-101	06/17-07/24
84839	8:00a-12:15p	M W	Campbell A	SAC F-102	06/16-07/23
84836	6:00p-10:15p	M W	O'Dell R	SAC R-126	06/30-08/06
<b>SOCIOLOGY 112, RELATIONSHIPS, MARRIAGES, AND FAMILY DYNAMICS</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>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.</i>					
84842	8:00a-12:15p	Tu Th	Campbell A	SAC A-128	06/16-07/24

# SPANISH

<b>SPANISH 101, ELEMENTARY SPANISH I</b> <span style="float:right"><b>5.0 UNITS</b></span>					
<i>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.</i>					

84849	4:30p-7:00p	M	Galvan J	SAC HYBRID	06/16-07/21
Section 84849 is designed for Spanish native speakers, but is open to all students. This hybrid class combines online assignments with 5 mandatory on-campus meetings on Mondays from 4:30p-7:00p on 6/16, 6/23, 6/30, 7/14 and 7/21 in room SAC I-201. The class will use the textbook Mundo 21. Students are required to log on to Blackboard on the first day of class: <a href="http://rscdd.blackboard.com">http://rscdd.blackboard.com</a> . Email instructor the first week of class. (galvan_javier@sac.edu)					
84846	11:00a-2:35p	M Tu W Th	Guerrero-Phlaum M	SAC I-106	06/16-07/24
84850	1:00p-4:35p	M Tu W Th	Lopez-Jaurequi L	SAC I-202	06/30-08/07
Section 84850 is designed for Spanish speakers. Open to all students.					
84847	4:00p-7:35p	M Tu W Th	Guerrero-Phlaum M	SAC I-108	06/16-07/24

<b>SPANISH 102, ELEMENTARY SPANISH II</b> <span style="float:right"><b>5.0 UNITS</b></span>					
<i>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.</i>					
Prerequisite: Spanish 101/101H, or two years of high school Spanish with a grade of C or better.					

85047	11:00a-1:30p	M	Galvan J	SAC HYBRID	06/16-07/27
Section 85047 is a hybrid class that combines online assignments with 5 mandatory on-campus meetings on Mondays from 11:00a-1:30p on 6/16, 6/23, 6/30, 7/14 and 7/21 in room SAC F-103. The class will use the textbook "Puntos de Partida." Students are required to log on to Blackboard on the first day of class: <a href="http://rscdd.blackboard.com">http://rscdd.blackboard.com</a> . Email instructor the first week of class. (galvan_javier@sac.edu)					
84851	8:00a-11:35a	M Tu W Th	Lopez-Jaurequi L	SAC T-212	06/30-08/07
Section 84851 is designed for Spanish speakers. Open to all students.					

# STUDY SKILLS

<b>STUDY SKILLS 109, COLLEGE LEARNING SKILLS</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>This course provides effective success strategies to enhance student self-development, academic and lifelong learning skills for the college student. The techniques include: values, goal-setting, dealing with money, stress management, diversity, motivation, health, and time-management. Students learn personal growth methods and develop strategies to effectively deal with issues to ensure personal, educational, and career success.</i>					
84719	9:00a-1:15p	Tu Th	Nguyen M	SAC C-207	07/01-08/07

# TV/VIDEO COMMUNICATIONS

<b>TV/VIDEO COMMUNICATIONS 009, TELEVISION/VIDEO COMMUNICATIONS LABORATORY</b> <span style="float:right"><b>0.5 UNIT</b></span>					
<i>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.</i>					
Open Entry / Open Exit					
85177	TBA		Bales T	DMC-135	06/16-07/25
<b>TV/VIDEO COMMUNICATIONS 010, TELEVISION/VIDEO COMMUNICATIONS ADVANCED LABORATORY</b> <span style="float:right"><b>0.5 UNIT</b></span>					
<i>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.</i>					
Open Entry / Open Exit					
85178	TBA		Bales T	DMC-135	06/16-07/25
<b>TV/VIDEO COMMUNICATIONS 103, HISTORY OF FILM TO 1945</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>A survey course exploring film as an art form and developing appreciation of historical, artistic and technical advances from 1890's to 1945.</i>					
85172	6:00p-10:15p	M W	Bales T	SAC A-210	06/16-07/23
<b>TV/VIDEO COMMUNICATIONS 104, HISTORY OF FILM FROM 1945 TO PRESENT</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>A lecture/visual aids course exploring film as an art form and developing appreciation of historical, artistic and technical advances.</i>					
85173	9:00a-1:15p	M W	Bales T	SAC A-210	06/16-07/23

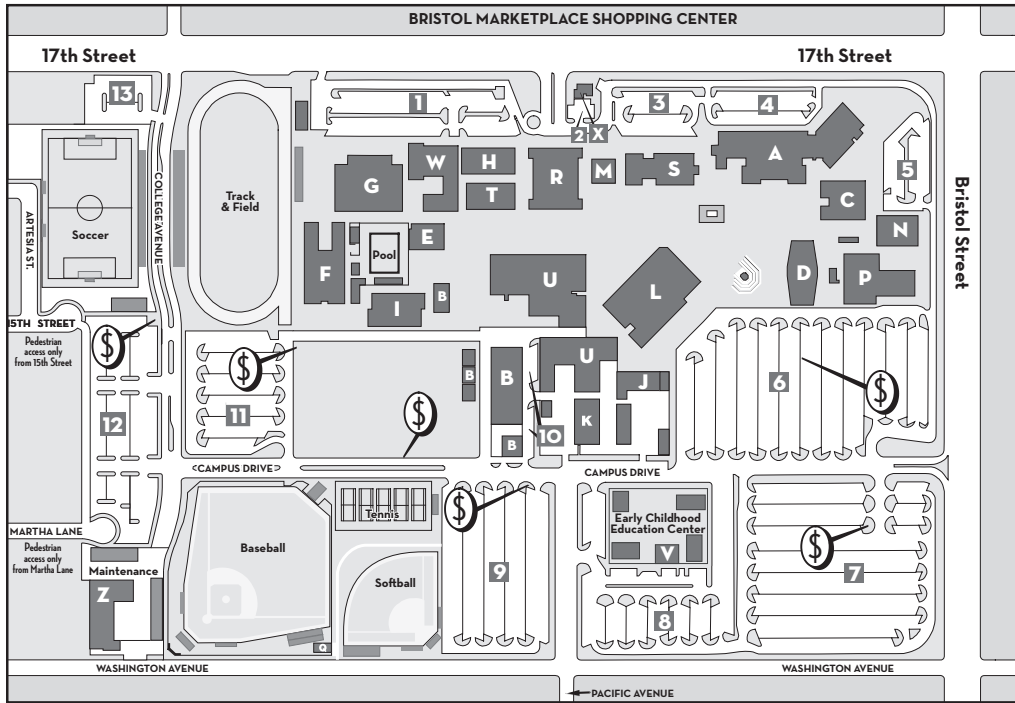
<b>TV/VIDEO COMMUNICATIONS 131, BEGINNING BROADCAST NEWS WORKSHOP</b> <span style="float:right"><b>2.0 UNITS</b></span>					
<i>Group instruction for beginners in news writing, reporting, interviewing, and on-camera techniques for appearing on a student-produced cable newscast. Basic training also will include in-studio production techniques.</i>					
85175	11:00a-1:10p	Tu Th	Bales T	DMC-135	06/17-07/24
	1:20p-3:25p	Tu Th	Bales T	DMC-135	
<b>TV/VIDEO COMMUNICATIONS 132, INTERMEDIATE BROADCAST NEWS WORKSHOP</b> <span style="float:right"><b>2.0 UNITS</b></span>					
<i>Group instruction for intermediate level students in the writing and preparation of news, entertainment and sports segments for a weekly TV newscast. Participation in studio production work and on-camera appearance will also be emphasized.</i>					
Prerequisite: TELV 130 with a minimum grade of C or TELV 131 with a minimum grade of C					
85176	11:00a-1:10p	Tu Th	Bales T	DMC-135	06/17-07/24
	1:20p-3:25p	Tu Th	Bales T	DMC-135	
<b>TV/VIDEO COMMUNICATIONS 298, TV/VIDEO COMMUNICATIONS PRACTICUM/INTERNSHIP</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>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.</i>					
Open Entry / Open Exit					
85174	TBA		Bales T	DMC-135	06/16-07/25

# THEATRE ARTS

<b>THEATRE ARTS 100, INTRODUCTION TO THEATRE</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>An introduction to the art and concepts of theatre through a study of modern and historical theories of dramatic structure, playwrighting, directing, design, and acting. Attendance at live theatre required.</i>					
85157	10:00a-12:05p	M Tu W Th	Cannon C	SAC P-105	06/16-07/24
<b>THEATRE ARTS 154, PERFORMANCE ENSEMBLE</b> <span style="float:right"><b>2.0 UNITS</b></span>					
<i>A study of the standards and expectations for an actor in auditions, casting, rehearsal and performance in a departmental production. All students will be cast in one-act plays for public presentation.</i>					
Prerequisite: Theatre Arts 110 or audition.					
85159	1:00p-1:50p	M Tu W	Cannon C	SAC P-105	06/16-07/23
	2:00p-3:50p	M Tu W	Cannon C	SAC P-105	

# WELDING

<b>WELDING 020, WELDING LABORATORY</b> <span style="float:right"><b>0.5 UNIT</b></span>					
<i>Independent practice for advanced knowledge and skills development in specific areas of welding technology. Students furnish own equipment.</i>					
Prerequisite: Concurrent enrollment in any welding course required.					
85505	1:30p-2:55p	Tu Th	Moreno G	SAC K-101	06/17-08/07
<b>WELDING 025A, INTERMEDIATE ARC WELDING LEVEL I</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>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).</i>					
Prerequisite: Welding 008, satisfactory completion of proficiency exam in arc welding skills, and concurrent enrollment in Welding 020.					
85499	8:00a-11:45a	M Tu W Th	Moore G	SAC K-101	06/16-08/07
<b>WELDING 025B, INTERMEDIATE ARC WELDING LEVEL II</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>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. Student is introduced to the preparation of the 1" plate. This course will introduce the students to the Licensing Class D1.1. rules and regulations from the Department of Building and Safety with the city of Los Angeles. 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).</i>					
Prerequisite: WELD 008 with a minimum grade of C and WELD 025 with a minimum grade of C or Satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.					
85500	8:00a-11:45a	M Tu W Th	Moore G	SAC K-101	06/16-08/07
<b>WELDING 029A, ADVANCED ARC WELDING LEVEL I</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>Provides advanced manipulative skills and technical knowledge needed to pass a 1" plate guided bended test required for structural steel certification.</i>					
Prerequisite: Welding 008, satisfactory completion of proficiency exam in arc welding skills, and concurrent enrollment in Welding 020.					
85502	5:00p-8:45p	M Tu W Th	Moreno G	SAC K-101	06/16-08/07
<b>WELDING 029B, ADVANCED ARC WELDING LEVEL II</b> <span style="float:right"><b>3.0 UNITS</b></span>					
<i>This is a course designed to advance 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 (SMAW) E-7018 according to the American Welding Society rules and regulations D1.1 Code Book</i>					
Prerequisite: WELD 029A with a minimum grade of C or reasonable completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.					
85504	5:00p-8:45p	M Tu W Th	Moreno G	SAC K-101	06/16-08/07



# SANTA ANA COLLEGE

1530 W. 17th Street  
Santa Ana, CA 92706  
714-564-6000

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**SAC IS TOBACCO-FREE**

Use of tobacco-related products is allowed only in parking lots.

## SAC Facilities & Locations

- |  |  |
|--|--|
| <b>A</b> Cesar Chavez Building / Business / Computer   | <b>N</b> Music Building  |
| <b>B</b> Middle College High School                    | <b>P</b> Phillips Hall Theatre   |
| <b>C</b> Fine Arts / Art Gallery                       | <b>Q</b> Concession  |
| <b>D</b> Dunlap Hall / Amphitheatre (west of building) | <b>R</b> Russell Hall  |
| <b>E</b> Fitness Center                                | <b>S</b> Administration Building / Admissions / Counseling   |
| <b>F</b> Locker Rooms                                  | <b>T</b> Technical Arts  |
| <b>G</b> Cook Gym                                      | <b>U</b> Johnson Center / Student Business Office / Bookstore / Cafeteria / International Students Program |
| <b>H</b> Hammond Hall                                  | <b>V</b> Early Childhood Education Center  |
| <b>I</b> Classroom Building                            | <b>W</b> Kinesiology   |
| <b>J</b> Auto Shop / Quick Center                      | <b>X</b> Security / Safety   |
| <b>K</b> Welding / Auto Diesel                         | <b>Z</b> Maintenance   |
| <b>L</b> Nealley Library / Media Services              |  |
| <b>M</b> Planetarium                                   |  |

## SAC Parking

- 1** Staff Parking
- 2 - 3** Visitor Parking
- 4 - 5** Staff Parking
- 6 - 12** Student Parking (except as posted)
- (\$)** Permit Dispenser (\$2.00 for 8 hours)



**A complete list of classes available online: [sac.edu](http://sac.edu)**

# AlertU

**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

# 2014 summer schedule of classes

**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.

**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.