



# 2010

## Santa Ana College Summer Schedule of Classes

### 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.



### Summer Session Dates

#### 4-week Summer

June 21–July 16 and July 19–Aug 13

#### 6-week Summer

June 21–July 30

#### 8-week Summer

June 21–August 13

### Late Registration & Add Period

June 21 Class Start – Add Period June 21–24

July 19 Class Start – Add Period July 19–22

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

## STEP ONE:

To apply to Santa Ana College, complete an application online at [www.sac.edu](http://www.sac.edu). Click on the **APPLY NOW** 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 student ID number and important registration information. You will be able to log onto **Online Records** to view your registration date within two business days of your application.

## STEP TWO:

### ONLINE REGISTRATION STEPS:

Online Records 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 “**Online Records**” link.
- 2 Click on “**Students**” from the Main Menu.
- 3 From the Student Menu, click on the “**Log In**” tab at the top.
- 4 Log in (if you forget your password, go back to the Main Menu and click on the “**What’s my password?**” link).
- 5 Click on “**Register for Sections**” from the Registration Menu.
- 6 Follow the instructions to complete your registration.
- 7 Pay immediately to keep your classes.

### ONLINE PRIORITY REGISTRATION DATES:

To view your registration date, please login to **Online Records** and click on the “View Your Registration Appt” link located on the Students Menu.

Continuing Students . . . . .	May 17–June 6
New Students . . . . .	June 7–June 13
CAP High School Students . . . . .	June 14–June 19

### DROP FOR NON-PAYMENT POLICY: NEW POLICY

Enrollment fees must be paid IN FULL within three calendar days of registration or all of your classes will be dropped and released to other students. If you need assistance paying your enrollment fees and would like to apply for a Fee Waiver, go to [www.cccapply.org/BOG](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 signature to add the course (Log in to **Online Records** often to check your status on the waitlist). Submit your Add Card to the Admissions Office and pay immediately.

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

## 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:** \$26.00 per unit. Payment is required of all students upon registering for classes.

**Non Resident Tuition:** \$200.00 per unit 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.

**Health Fee:** \$14.00 for Summer session. This fee is mandatory for SCC and SAC campus classes.

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

**Student Service Fee:** \$3.00 is payable for classes at SCC and SAC campuses. The fee includes: 1) \$1.50 for College Services: library, student and instructional services; and 2) \$1.50 for college activities. Photo ID and session validation is available at the Cashier’s Office, S-104 at SAC and E -102 at SCC. Payment of this fee is optional.

**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.

**Registration questions?  
Call (714) 564-6005**

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

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>ACCOUNTING</b>					
<b>ACCOUNTING 101, FINANCIAL ACCOUNTING</b> <span style="float: right;"><b>4 UNITS</b></span>					
<i>Financial accounting for the business administration transfer student. The accounting cycle, corporations, financial statements and principles. Accounting for assets, liabilities and stockholder's equity.</i>					
32123	8:30a-12:50p	M W	Mitchell E	SAC A-211	06/21-08/11
32147	6:00p-10:20p	M W	Mitchell E	SAC A-211	06/21-08/11

<b>ACCOUNTING 102, MANAGERIAL ACCOUNTING</b> <span style="float: right;"><b>4 UNITS</b></span>					
<i>Managerial accounting for the business administration transfer student. Manufacturing and cost accounting, and the managerial uses of accounting information. Standard costs, budgets, activity based costing, incremental analysis, segment reporting and capital budgeting decisions.</i>					
Prerequisite: Accounting 101 or 101H.					
32157	6:00p-10:10p	Tu Th	Mitchell E	SAC A-209	06/22-08/12

## ANTHROPOLOGY

<b>ANTHROPOLOGY 100, INTRODUCTION TO CULTURAL ANTHROPOLOGY</b> <span style="float: right;"><b>3 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>					
32173	9:00a-12:20p	M W	Staff	SAC D-401	06/21-08/11
32175	6:00p-9:05p	Tu Th	Cundiif W	SAC D-401	06/22-08/12

<b>ANTHROPOLOGY 101, INTRODUCTION TO PHYSICAL ANTHROPOLOGY</b> <span style="float: right;"><b>3 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>					
32177	9:00a-12:05p	Tu Th	Robertson M	SAC D-401	06/22-08/12

<b>ANTHROPOLOGY 101L, PHYSICAL ANTHROPOLOGY LABORATORY</b> <span style="float: right;"><b>1 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>					
32182	1:00p-4:05p	Tu Th	Robertson M	SAC D-401	06/22-08/12

## ART

<b>ART 100, INTRODUCTION TO ART CONCEPTS</b> <span style="float: right;"><b>3 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>					
31475	TBA		Redfield M	SAC WEB	06/21-07/30
Section 31475 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
31477	TBA		Brown S	SAC WEB	06/21-07/30
Section 31477 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.					
31473	9:00a-1:10p	Tu Th	Soriano I	SAC A-210	06/22-07/29
31474	9:00a-1:20p	M Tu Th	Redfield M	SAC A-130	06/21-07/15

<b>ART 104, MEXICAN AND CHICANO ART HISTORY</b> <span style="float: right;"><b>3 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>					
31479	9:00a-1:20p	M W	Soriano I	SAC C-104	06/21-07/28

<b>ART 105, HISTORY OF MODERN ART</b> <span style="float: right;"><b>3 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>					
31480	6:30p-9:50p	M W	Marquez P	SAC C-104	06/21-08/11

<b>ART 129, GRAPHIC DESIGN CONCEPTS FOR THE WEB</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Introduction to Web design. Includes learning technical aspects, file optimization, effects, images, slicing, links, rollovers, and applying the elements and principles of design. Includes creative Web design projects. Photoshop skills highly recommended. (Same as Computer Science 155.)</i>					
<b>Material Fee(s): \$4</b>					
31481	6:00p-10:20p	M W	Miller R	SAC A-219	06/21-08/11

<b>ART 167, 3D COMMERCIAL APPLICATIONS</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>An introduction and basic hands-on experience of compositing for special effects as used in television, film and electronic games. Emphasis on how digital 3D elements can be incorporated into the composite and how 3D scenes can be enhanced with the use of compositing techniques. This course is appropriate for the video editor, as well as the 3D artist.</i>					
Prerequisite: Art 197B or TV/Video Communications 186.					
<b>Material Fee(s): \$15</b>					
32756	6:00p-10:10p	Tu W	Waterman P	SAC A-223	06/22-08/12
4 hours arranged each week					

<b>ART 195, INTRODUCTION TO DIGITAL MEDIA ARTS</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Introduction to digital media arts for artists, photographers, Web designers, programmers, and animation artists. Includes an overview of Photoshop, Illustrator, InDesign, digital graphics terminology, careers, market applications and design components. Work in computer lab with scanners, printers, CD ROM's and the Web.</i>					
<b>Material Fee(s): \$10</b>					
31483	6:00p-10:10p	Tu Th	Hostletter D	SAC A-219	06/22-08/12

<b>ART 241, INTERMEDIATE PAINTING</b> <span style="float: right;"><b>1.5 - 3 UNITS</b></span>					
<i>An intermediate level class designed to promote and advance the creative development of those with basic skills in water-soluble oil /or acrylic painting. Opportunity for further study of historical and contemporary references and to increase experience with new media, methods and techniques. Emphasis on artistic expression and individual creative problems.</i>					
Prerequisite: Art 041 or Art 141.					
31529	6:00p-10:20p	M W	Leysen M	SAC C-210	06/21-07/28

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>ART 242, ADVANCED PAINTING</b> <span style="float: right;"><b>1.5 - 3 UNITS</b></span>					
<i>An advanced level studio course providing opportunity for further refinement of painting skills with increasing exposure to contemporary styles. Emphasis on research and individual creative problems in painting. Exploration into a personal mode of expression through development of media, technique and style. Classroom studio use of oils limited to water-soluble oil paint only.</i>					
Prerequisite: Art 241.					
31530	6:00p-10:20p	M W	Leysen M	SAC C-210	06/21-07/28

<b>ART 250, ADVANCED STUDIO CONCEPTS</b> <span style="float: right;"><b>1.5 - 3 UNITS</b></span>					
<i>Intensive study in visual arts for majors with studio emphasis. Exposure to contemporary art directions, trends and job markets. Different studio problems each semester.</i>					
31532	6:00p-10:20p	M W	Leysen M	SAC C-210	06/21-07/28

## ASTRONOMY

<b>ASTRONOMY 109, INTRODUCTION TO THE SOLAR SYSTEM</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>Surveys history of astronomy, recent research and observations of the planets, moons, and other solar system objects. Exploration of light and gravity to understand formation, properties and motion of Solar System objects.</i>					
31997	9:00a-12:10p	Tu Th	Mayo W	SAC R-318	06/22-08/12

## AUTOMOTIVE TECHNOLOGY

<b>AUTOMOTIVE TECHNOLOGY 025, A-6 ALTERNATIVE COURSE - ELECTRICAL SYSTEMS</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>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.</i>					
32877	6:00p-10:20p	M Tu W Th	Wilkes D	SAC K-115	07/19-07/29

<b>AUTOMOTIVE TECHNOLOGY 033, A-8 ALTERNATIVE COURSE - ENGINE PERFORMANCE</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>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.</i>					
32879	6:00p-10:30p	M W	Wilkes D	SAC K-115	06/21-07/14

<b>AUTOMOTIVE TECHNOLOGY 062, AIR CONDITIONING AND HEATING</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>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.)</i>					
32214	6:00p-10:15p	M Tu W Th	Hammonds E	SAC J-102	06/21-07/29

<b>AUTOMOTIVE TECHNOLOGY 087, L-1 ALTERNATIVE COURSE: ADVANCED ENGINE PERFORMANCE</b> <span style="float: right;"><b>2 UNITS</b></span>					
<i>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.</i>					
32876	6:00p-10:15p	Tu Th	Wilkes D	SAC K-115	06/22-07/15

## BIOLOGY

<b>BIOLOGY 109, FUNDAMENTALS OF BIOLOGY</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>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. Not open to students who are enrolled in or have credit in Biology 159. Designed for non-biology majors.</i>					
31764	8:30a-11:50a	M Tu W Th	Lopez J	SAC R-124	06/21-07/15

<b>BIOLOGY 109L, FUNDAMENTALS OF BIOLOGY LABORATORY</b> <span style="float: right;"><b>1 UNIT</b></span>					
<i>Laboratory experiments to identify and illustrate significant organisms and their structures. Emphasis is placed on the relationship of all organisms from an anatomical, physiological, and ecological framework. Content correlates to Biology 109 or 159 lecture material.</i>					
31766	12:30p-3:50p	M W	Staff	SAC R-202	06/21-08/11
31765	12:30p-3:40p	Tu Th	Lui A	SAC R-202	06/22-08/12

<b>BIOLOGY 229, GENERAL MICROBIOLOGY</b> <span style="float: right;"><b>5 UNITS</b></span>					
<i>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.</i>					
Prerequisite: Biology 109/109H and 109L, or 139, or 149, or 211 or Chemistry 119 or 209.					
<b>Material Fee(s): \$20</b>					
31767	1:30p-3:35p	M Tu W Th	Morales D	SAC R-228	06/21-07/29
	9:00a-1:15p	M Tu W Th	Morales D	SAC R-226	

<b>BIOLOGY 239, GENERAL HUMAN ANATOMY</b> <span style="float: right;"><b>4 UNITS</b></span>					
<i>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.</i>					
31768	8:00a-10:05a	M Tu W Th	Hampton J	SAC R-128	06/21-07/29
	10:30a-2:45p	M W	Hampton J	SAC R-201	
31770	8:00a-10:05a	M Tu W Th	Hampton J	SAC R-128	06/21-07/29
	5:45p-10:00p	Tu W	Dibernardo L	SAC R-201	
31769	8:00a-10:05a	M Tu W Th	Hampton J	SAC R-128	06/21-07/29
	10:30a-2:45p	Tu Th	Hampton J	SAC R-201	

## BUSINESS

<b>BUSINESS 100, FUNDAMENTALS OF BUSINESS</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>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.</i>					
32189	TBA		Grant M	SAC WEB	07/06-08/13
Section 32189 Check class web site at <a href="http://rsccd.blackboard.com">rsccd.blackboard.com</a> for information and orientation.					

<b>BUSINESS 105, LEGAL ENVIRONMENT OF BUSINESS</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>A study of the courts, torts (including product liability), crimes, contracts, employment, partnerships, corporations, government regulation, and international law.</i>					
32193	TBA		Manzano F	SAC WEB	06/21-08/13
Section 32193 Check class web site at <a href="http://rsccd.blackboard.com">rsccd.blackboard.com</a> for information and orientation.					
32167	8:00a-12:20p	M W	Doolittle G	SAC A-203	06/21-07/28

<b>BUSINESS 120, PRINCIPLES OF MANAGEMENT</b> <span style="float: right;"><b>3 UNITS</b></span>					
<i>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.)</i>					
32174	6:00p-10:20p	M W	Howe J	SAC A-207	07/07-08/11

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>BUSINESS 150, INTRODUCTION TO COMPUTING AND APPLICATION SOFTWARE 4 UNITS</b>					
<i>Introduction to computer concepts, computer organization, computer operation, information systems and business problem-solving through the use of application software. (Equivalent to ISDS 265 at California State University, Fullerton.)</i>					
31690	6:00p-10:20p	M Tu W Th	Dahlen N	SAC A-206	06/21-07/15
4 hours per week arranged.					
<b>BUSINESS 180, FINDING AND EVALUATING PRODUCTS FOR IMPORT 1 UNIT</b>					
<i>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.</i>					
32202	6:00p-10:10p	Tu Th	Grant M	SAC A-203	07/06-07/15
<b>BUSINESS 182, CLASSIFYING IMPORTS AND CLEARING U.S. CUSTOMS 1 UNIT</b>					
<i>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.</i>					
32205	6:00p-10:10p	Tu Th	Shweiri G	SAC A-203	07/20-07/29
<b>BUSINESS 222, BUSINESS WRITING 3 UNITS</b>					
<i>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.</i>					
Prerequisite: English 101 or 101H.					
32198	6:00p-10:15p	Tu Th	Woolgar D	SAC A-108	06/22-07/29
<b>BUSINESS APPLICATIONS</b>					
<b>BUSINESS APPLICATIONS 110, COMPUTER KEYBOARDING SKILLS 1 - 2 UNITS</b>					
<i>Proficiency based computer keyboarding skills includes: alphabet and numeric keyboard, speed and accuracy development and basic word processing skills.</i>					
Open Entry / Open Exit					
<b>Material Fee(s): \$2</b>					
32105	9:00a-1:20p	M W	Montiel-Childres D	SAC A-226	06/21-07/28
32107	6:00p-10:00p	Tu Th	Lehrer C	SAC A-226	06/22-07/29
<b>BUSINESS APPLICATIONS 115, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT 1 - 2 UNITS</b>					
<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.</i>					
Open Entry / Open Exit					
<b>Material Fee(s): \$2</b>					
32106	9:00a-1:20p	M W	Montiel-Childres D	SAC A-226	06/21-07/28
32108	6:00p-10:00p	Tu Th	Lehrer C	SAC A-226	06/22-07/29
<b>BUSINESS APPLICATIONS 179, INTRODUCTION TO MICROSOFT OFFICE 3 UNITS</b>					
<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>Material Fee(s): \$4</b>					
<b>Software Utilized: MS Office 2007</b>					
32110	9:00a-12:20p	M W	Nguyen M	SAC A-222	06/21-08/11
2 hours per week arranged					
<b>CHEMISTRY</b>					
<b>CHEMISTRY 209, INTRODUCTORY CHEMISTRY 4 UNITS</b>					
<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 with a grade of C or better.					
31981	9:00a-12:10p	M Tu W Th	Jenkens C	SAC R-126	06/21-08/12
31986	6:00p-9:10p	M Tu W Th	Staff	SAC R-126	06/21-08/12
<b>CHEMISTRY 219, GENERAL CHEMISTRY 5 UNITS</b>					
<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 and Chemistry 209 or Mathematics 080 and a passing score on current chemistry placement test. All courses must be completed with a grade of C or better.					
31983	12:30p-1:55p	M Tu W Th	Nguyen W	SAC R-126	06/21-08/12
	2:15p-5:25p	M Tu W Th	Nguyen W	SAC R-309	
<b>CHEMISTRY 229, GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS 5 UNITS</b>					
<i>Continuation of Chemistry 219 including, but not limited to, ionic equilibrium, acid/base chemistry, thermodynamics and electrochemistry, nuclear chemistry and descriptive chemistry.</i>					
Prerequisite: Chemistry 219 with a grade of C or higher.					
31984	12:30p-1:55p	M Tu W Th	Kelcher M	SAC R-318	06/21-08/12
	2:30p-5:40p	M Tu W Th	Kelcher M	SAC R-301	
<b>COMPUTER SCIENCE</b>					
<b>COMPUTER SCIENCE 100, THE COMPUTER AND SOCIETY 3 UNITS</b>					
<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>Material Fee(s): \$4</b>					
<b>Software Utilized: MS Office 2007</b>					
31689	8:00a-12:20p	M Tu W	Dahlen N	SAC A-206	07/19-08/11
31688	8:00a-12:20p	M Tu W	Dahlen N	SAC A-206	06/21-07/14
<b>COMPUTER SCIENCE 104, COOPERATIVE WORK EXPERIENCE EDUCATION-OCCUPATIONAL 1 - 4 UNITS</b>					
<i>Supervised paid or volunteer experience in student's major including new or expanded responsibilities. One unit credit for each 5 hours worked per week to a maximum of 4 units for 20 hours worked per week each semester. Limitation of 16 units in occupational cooperative education courses. Student must be enrolled in a minimum of 7 units including 4 units in Computer Science 104.</i>					
Open Entry / Open Exit					
32835	TBA		Kushida C	SAC	06/21-08/13

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
E-mail Instructor before class starts kushida_cherylee@sac.edu					
<b>COUNSELING</b>					
<b>COUNSELING 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 3 UNITS</b>					
<i>This course is designed to assist students in successfully establishing and achieving education, career and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills and learning styles. Career and education options are researched, and students are exposed to college resources and support services. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, career and life plans.</i>					
<b>Material Fee(s): \$20</b>					
31476	TBA		Sadler D	SAC WEB	06/21-08/13
Students must attend one of the following orientations: Jun 22 or 23, 7-9pm, SAC L-225. For additional information, contact the instructor, sadler_dennis@sac.edu or www.sac.edu/students/counseling/stahmt.					
31377	8:30a-12:45p	Tu Th	Quintana R	SAC I-108	06/22-07/29
34396	6:00p-10:15p	M W	Gilmour D	SAC I-108	06/21-07/28

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>CRIMINAL JUSTICE</b>					
<b>CRIMINAL JUSTICE 101, INTRODUCTION TO CRIMINAL JUSTICE 3 UNITS</b>					
<i>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.</i>					
32862	8:00a-12:10p	M W	Gonis Jr A	SAC H-207	06/21-07/28
32863	6:00p-9:05p	Tu Th	Wright G	SAC H-207	06/22-08/12

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>CRIMINAL JUSTICE ACADEMIES</b>					
<b>CRIMINAL JUSTICE ACADEMIES 009B, FITNESS FOR LAW ENFORCEMENT 0.1 - 0.3 UNITS</b>					
<i>Training designed specifically for law enforcement and those with an interest in entering law enforcement.</i>					
33558	6:00p-8:00p	Tu Th	Bartlett M	SAC CJTC-101	06/22-07/15
CLASS IS HELD AT THE ORANGE COUNTY REGIONAL TRAINING ACADEMY, 15991 ARMSTRONG AVE TUSTIN, CA 92782 WEAR PHYSICAL TRAINING CLOTHING					
<b>CRIMINAL JUSTICE ACADEMIES 010, PRE-EMPLOYMENT PREPARATION FOR LAW ENFORCEMENT 1 UNIT</b>					
<i>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.</i>					
33619	6:00p-10:00p	Tu Th Sa	CJ ACADEMY	SAC CJTC-104	07/06-07/31

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>DANCE</b>					
<b>DANCE 106A, INTRODUCTION TO MODERN DANCE 1 UNIT</b>					
<i>An introduction to modern dance emphasizing movement technique, dance vocabulary and creative individual expression. Includes an introduction to choreographic principles and the historical/cultural context of American modern dance. For the student with little or no dance experience.</i>					
32762	5:00p-7:05p	M W	Westergard-Dobson C	SAC G-108	06/21-08/11
<b>DANCE 106B, INTRODUCTION TO MODERN DANCE 1 UNIT</b>					
<i>An introduction to modern dance emphasizing movement technique, dance vocabulary and creative individual expression. Includes an introduction to choreographic principles and cultural context of American modern dance. Dance 106B is a refinement of skills learned in Dance 106A. Two semesters of Dance 106AB equals Dance 206A.</i>					
32764	5:00p-7:05p	M W	Westergard-Dobson C	SAC G-108	06/21-08/11
<b>DANCE 120, INTRODUCTION TO URBAN JAZZ DANCE: HIP-HOP 1 UNIT</b>					
<i>An introduction to Hip-Hop dance emphasizing movement technique, dance vocabulary and creative expression. Includes learning routines and the history and culture of Hip-Hop dance. No prior experience necessary.</i>					
31947	7:15p-9:20p	M W	Lampe H	SAC G-108	06/21-08/11
<b>DANCE 123, INTRODUCTION TO SALSA DANCE 1 UNIT</b>					
<i>An introduction to Salsa Dance, including musicality, partnering and patterns. Emphasis is on movement technique, dance vocabulary and creative expression. Historical and contemporary forms are studied. Content varies each semester.</i>					
31988	6:00p-8:10p	M W	Figueroa M	SAC CDC-100	06/21-08/11
<b>DANCE 296, SPECIAL STUDIES IN MODERN DANCE 1 UNIT</b>					
<i>An intermediate/advanced level course offering individualized and accelerated instruction in modern dance techniques.</i>					
32765	5:00p-7:05p	M W	Westergard-Dobson C	SAC G-108	06/21-08/11

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>DIESEL</b>					
<b>DIESEL 062, AIR CONDITIONING AND HEATING 3 UNITS</b>					
<i>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.)</i>					
32880	6:00p-10:15p	M Tu W Th	Hammonds E	SAC J-102	06/21-07/29

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>EARTH SCIENCE</b>					
<b>EARTH SCIENCE 110, INTRODUCTION TO EARTH SCIENCE 3 UNITS</b>					
<i>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.</i>					
32005	6:30p-9:40p	M Tu W Th	Coyne C	SAC R-111	06/21-07/15

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>ECONOMICS</b>					
<b>ECONOMICS 120, PRINCIPLES/MACRO 3 UNITS</b>					
<i>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 and Speech Communication 097 or Communication 097 are recommended.</i>					
32061	8:00a-12:30p	M W	Montes A	SAC D-209	07/07-08/11

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>ECONOMICS 121, PRINCIPLES/MICRO</b>					<b>3 UNITS</b>
<i>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. Economics 120, Mathematics 060, and Speech Communication 097 or Communication 097 are recommended.</i>					
32065	8:00a-12:15p	Tu Th	Montes A	SAC D-209	07/06-08/12
32067	6:00p-10:10p	M W	Montes A	SAC D-209	07/07-08/11

## EMERGENCY MEDICAL TECHNICIAN

**EMERGENCY MEDICAL TECHNICIAN 100, EMERGENCY MEDICAL TECHNICIAN I - (BASIC)** **6 UNITS**  
*Basic course for EMT-1 Basic. Satisfies requirements for County/State EMS Authority. Prepares student to take O.C.E.M.S./National Registry certifying exam for state certification.*

31762	8:00a-4:50p	Tu W Th	Dethlefsen E	SAC R-307	06/22-07/29
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A current American Heart Association CPR card for HEALTH CARE PROVIDER is required to be shown the first day of class for ALL EMT students. Failure to comply will result in being dropped from the class.

**EMERGENCY MEDICAL TECHNICIAN 105, CLINICAL EMT SKILLS LABORATORY** **0.5 UNIT**  
*Supervised use of skills lab to assist the student in development of clinical competency and mastery of psychomotor skills. Hours verified by instructor.*

31763	TBA	F	Dethlefsen E	SAC R-307	07/09-07/23
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16 hours to be arranged

## ENGINEERING

**ENGINEERING 100A, INTRODUCTION TO ENGINEERING** **2 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, and guest speakers.*

Material Fee(s): \$2

32099	TBA		Sherod S	SAC WEB	06/21-08/13
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(Orientation: Mon, Jun 21, 5-6pm, SAC A-225. See Online Courses page in class schedule or go to www.sac.edu/disted for more information. Email instructor first week of class at sherod\_susan@sac.edu.)

**ENGINEERING 100B, INTRODUCTION TO ARCHITECTURE/CIVIL ENGINEERING / CONSTRUCTION (AEC)** **2 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.*

Material Fee(s): \$2

32101	TBA		Sherod S	SAC WEB	06/21-08/13
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(Orientation: Mon, Jun 21, 5-6pm, SAC A-225. See Online Courses page in class schedule or go to www.sac.edu/disted for more information. Email instructor first week of class at sherod\_susan@sac.edu.)

**ENGINEERING 183, AUTOCAD I - COMPUTER AIDED DRAFTING** **3 UNITS**  
*A first course in computer drafting using AutoCAD software. Topics include: display and file management, units, entities, object selection, advanced editing, layers, dimensions, text, graphic exchange.*

Material Fee(s): \$4

Software Utilized: AutoCAD 2010

32102	TBA		Sherod S	SAC WEB	06/21-08/13
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(Orientation: Mon, Jun 21, 8-10pm, SAC A-225. See Online Courses page in class schedule or go to www.sac.edu/disted for more information. Email instructor first week of class at sherod\_susan@sac.edu.)

**ENGINEERING 184, AUTOCAD II - COMPUTER AIDED DRAFTING** **3 UNITS**  
*Intermediate course in the use of AutoCAD software. Topics include blocks, hatches, attributes, inquiry, and 3-D introduction. Recommended preparation: Engineering 183.*

Material Fee(s): \$4

Software Utilized: AutoCAD 2010

32103	TBA		Sherod S	SAC WEB	06/21-08/13
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(Orientation: Mon, Jun 21, 6-7pm, SAC A-225. See Online Courses page in class schedule or go to www.sac.edu/disted for more information. Email instructor first week of class at sherod\_susan@sac.edu.)

## ENGLISH

**ENGLISH 061, INTRODUCTION TO COMPOSITION** **3 UNITS**  
*Expository paragraph writing emphasizing various methods including argumentation. Practice in refining sentence skills and grammar.*

**NOTE: ENGLISH 061 CLASSES REQUIRE 16 ADDITIONAL HOURS IN WRITING CENTER. TWO HOURS PER WEEK**

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

32176	8:00a-12:15p	Tu Th	Higgins M	SAC D-110	06/22-08/12
32185	9:00a-1:15p	Tu Th	Jaffray S	SAC D-103	06/22-08/12
32172	TBA		Bennett G	SAC WEB	06/21-08/13

Section 32172 requires mandatory on-campus meetings on Wednesdays: June 23, July 14, July 28 and August 11, from 4:30-6:50 p.m. in D-108. Go to www.sac.edu/disted for more information. Email instructor first week of class (bennett\_gary@sac.edu).  
 16 virtual lab hours required, two hours per week.

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>ENGLISH 101, FRESHMAN COMPOSITION</b>					<b>4 UNITS</b>
<i>Expository and argumentative essays and the research paper. Special interest sections described in schedule of classes.</i>					

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

32219	8:00a-12:15p	Tu Th	Miltzner R	SAC D-207	06/22-08/12
32204	9:00a-1:15p	Tu Th	Martinez Guzman D	SAC D-302	06/22-08/12
32199	9:00a-1:30p	M W	Martinez Guzman D	SAC D-302	06/21-08/11
32183	9:00a-11:50a	M Tu W Th	Brandon K	SAC D-108	07/06-08/12
32192	12:45p-5:00p	Tu Th	Higgins M	SAC D-108	06/22-08/12
32201	1:00p-5:30p	M W	Ramshaw C	SAC D-103	06/21-08/11
32196	5:30p-8:20p	M Tu W Th	Brandon K	SAC D-214	07/06-08/12
32194	6:00p-8:50p	M Tu W Th	Patterson K	SAC D-211	07/06-08/12
32207	TBA		Bennett G	SAC WEB	06/21-08/13

Section 32207 requires mandatory on-campus meetings on Wednesdays: June 23, July 14, July 28, and August 11 from 7:00-9:20pm in D-108. Go to www.sac.edu/disted for more information. Email instructor first week of class (bennett\_gary@sac.edu).

**ENGLISH 102, LITERATURE AND COMPOSITION** **4 UNITS**  
*A second semester course in composition and literature that continues to focus on expository and analytical writing with extensive readings selected from the four major genres.*

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

32209	TBA		Ramshaw C	SAC WEB	06/21-08/13
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Section 32209 requires mandatory on-campus meetings on Mondays: June 21, July 26, 5:30-8:00 p.m. in D-204. Go to www.sac.edu/disted for more information. Email instructor first week of class (ramshaw\_charles@sac.edu).

32212 6:00p-10:15p Tu Th Miltzner R SAC D-209 06/22-08/12

**ENGLISH 103, CRITICAL THINKING AND WRITING** **4 UNITS**  
*This course focuses on developing critical thinking, reading, and writing skills by studying established argumentative methods and models and applying them to contemporary issues. Emphasis will be on logical reasoning and analytical and argumentative skills necessary for critical writing.*

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

32215	9:00a-11:50a	M Tu W Th	Patterson K	SAC D-109	07/06-08/12
32213	TBA		Beyersdorf M	SAC WEB	06/21-08/13

Section 32213 requires on-campus meetings on Mondays: June 21, July 12, July 26 and August 9 from 5:00-6:50 pm in D-108. Go to www.sac.edu/disted for more information. Email instructor the first week of classes (beyersdorf\_matthew@sac.edu).

32216 6:00p-10:15p Tu Th Jaffray S SAC D-103 06/22-08/12

## ENGLISH AS A SECOND LANGUAGE

**ENGLISH AS A SECOND LANGUAGE N49, READING, WRITING AND GRAMMAR I** **3 UNITS**  
*Beginning multi-skill language practice. Sentence practice and controlled composition. Revision and editing. Basic grammar including simple and progressive verb tenses. Critical reading. Lab hours are required. Not applicable to associate degree.*

Prerequisite: ESL N40B.

32218	9:00a-1:20p	M Tu W Th	Ehresmann B	SAC D-102	07/06-08/12
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16 additional hours in the ESL Listening Lab required. 3 hours per week.

## ENGLISH FOR MULTILINGUAL STUDENTS

**ENGLISH FOR MULTILINGUAL STUDENTS 055, WRITING, GRAMMAR AND READING I** **4 UNITS**  
*Sentence-level writing for multilingual students who can speak English but often make grammar mistakes when writing. Narrative paragraphs and journal writing. Revision and editing. Basic grammar including verb tenses and modals. Critical reading. 16 additional hours in ESL listening lab required (one hour per week for 16-week semester sections).*

Prerequisite: Grade of C or better in ESL N49 or qualifying profile from ESL placement process.

32184	9:00a-1:20p	M Tu W Th	Kim H	SAC D-214	07/06-08/12
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16 hours in ESL Listening Lab required. 3 hours per week.

**ENGLISH FOR MULTILINGUAL STUDENTS 107, WRITING, GRAMMAR AND READING II** **4 UNITS**  
*Sentence and paragraph level writing for multilingual students who can speak English but often make grammar mistakes when writing. Narrative and descriptive paragraphs. Revision and editing. Review of basic grammar. Practice with sentence variety. Critical reading. 16 additional hours in ESL listening lab required (one hour per week for 16-week semester sections).*

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

32190	9:00a-12:10p	M Tu W Th	Mallory L	SAC D-303	06/21-08/12
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16 hours in ESL Listening Lab required. 2 hours per week.

**ENGLISH FOR MULTILINGUAL STUDENTS 109, WRITING, GRAMMAR AND READING III** **4 UNITS**  
*Paragraph-level writing for multilingual students who speak English but often make grammar mistakes when they write. Narrative, descriptive and expository paragraph practice. Revision and editing. Complex grammar structures. Critical reading. 16 additional hours in ESL listening lab required (one hour per week for 16-week semester sections).*

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

32195	9:00a-1:20p	M Tu W Th	Hicks R	SAC D-213	07/06-08/12
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16 hours in ESL Listening Lab required. 3 hours per week.

**ENGLISH FOR MULTILINGUAL STUDENTS 110, INTRODUCTION TO THE ESSAY** **3 UNITS**  
*Introductory writing course for multilingual students who speak English fluently but make multiple grammar errors when writing. Composition course progresses from paragraph to essay, emphasizing basic expository modes, grammar review, critical reading, and revision and editing techniques. Lab hours are required.*

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

32197	9:00a-1:15p	Tu Th	Hassel E	SAC D-107	06/22-08/12
32200	6:00p-10:15p	Tu Th	Mowrer M	SAC D-108	06/22-08/12

16 hours in ESL Listening Lab required. 2 hours per week.  
 16 hours in ESL Listening Lab required. 2 hours per week.

**ENGLISH FOR MULTILINGUAL STUDENTS 112, ADVANCED COMPOSITION** **3 UNITS**  
*Advanced level writing course for multilingual students who are fluent in conversational English but make multiple grammar errors when writing. Emphasis is on complex expository modes, grammatical accuracy in writing, grammar review, research methods, critical reading skills, and revision and editing techniques. 16 hours (1 hour per week) required in Writing Center.*

Prerequisite: Grade of C or better in EMLS 110 or qualifying profile from ESL placement process.

32169	8:00a-12:15p	Tu Th	Staff	SAC D-210	06/22-08/12
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SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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16 hours required in the Writing Center 2 hours per week.

## EXERCISE SCIENCE ACTIVITIES

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>E.S. ACTIVITIES 132, GOLF-PLAYING LESSON</b> <b>0.5 UNIT</b>					
<i>The class will focus on playing lessons and applying advanced golf techniques on a regulation golf course.</i>					
32233	4:00p-7:05p	M Tu	Olsen K	SAC RIV-GOLF	07/06-08/10
<b>E.S. ACTIVITIES 170, YOGA</b> <b>0.5 UNIT</b>					
<i>An exercise program involving postures to increase flexibility and core muscle strength as a way of improving and enhancing physical and mental alertness.</i>					
32854	7:15p-9:15p	Tu Th	Reily C	SAC W-106	06/22-08/12
<b>E.S. ACTIVITIES 220, BASKETBALL</b> <b>1 UNIT</b>					
<i>Instruction and practice in the fundamentals, rules, strategies, philosophies and theories of individual and team basketball.</i>					
32828	2:50p-6:00p	Tu Th	Luppani M	SAC G-105	06/22-08/12
32240	2:50p-6:10p	M W	Breig D	SAC G-105	06/21-08/11
32826	7:00p-10:05p	Tu Th	Brown M	SAC G-105	06/22-08/12
<b>E.S. ACTIVITIES 260, SOCCER</b> <b>1 UNIT</b>					
<i>Practice of the game of soccer, including skills, groups and team tactics. Course focuses on improving performance in all aspects of the game: defense, midfield, attack and special situations.</i>					
32837	1:00p-3:05p	M W Th	Coffman J	SAC G-118	06/21-08/12
32850	5:30p-8:35p	Tu Th	Vasquez J	SAC G-118	06/22-08/12
<b>E.S. ACTIVITIES 270, SOFTBALL</b> <b>0.5 UNIT</b>					
<i>Fundamentals of fielding, throwing, hitting, and base running. Includes play situations and an emphasis on team offensive and defensive strategy.</i>					
33315	3:00p-5:50p	Tu Th	Rapoza J	SAC G-120	07/06-08/12
<b>E.S. ACTIVITIES 290, VOLLEYBALL</b> <b>1 UNIT</b>					
<i>Instruction and practice in fundamental skills techniques, strategies, basic rules, team offense and defense, and team concepts of Volleyball.</i>					
32238	6:05p-9:25p	M W	Abbey T	SAC G-105	06/21-08/11

## EXERCISE SCIENCE ADAPTED ACTIVITIES

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>E.S. ADAPTED ACTIVITIES 202, ADAPTED CIRCUIT WEIGHT TRAINING</b> <b>0.5 UNIT</b>					
<i>The class is an individually structured circuit exercise program for students with disabilities.</i>					
32847	1:00p-3:00p	Tu Th	Brown M	SAC E-102	06/22-08/12

## EXERCISE SCIENCE AEROBIC FITNESS

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>E.S. AEROBIC FITNESS 146, STABILITY BALL TRAINING FOR FITNESS</b> <b>0.5 UNIT</b>					
<i>A core training and strengthening workout. A full body workout using stability balls, designed to obtain total toning and strength.</i>					
33374	4:10p-6:15p	Tu Th	Tyler D	SAC W-107	06/21-08/12
<b>E.S. AEROBIC FITNESS 156, CARDIO BOXING</b> <b>0.5 UNIT</b>					
<i>A series of boxing, kickboxing, stretching exercises arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program with 10-15 minutes of abdominal work and stretching. Aerobic activity is designed to improve muscle tone and cardiovascular endurance.</i>					
33325	12:30p-2:35p	Tu Th	Rapoza J	SAC W-107	06/21-08/12
32232	7:10p-9:20p	M W	Howell A	SAC W-107	06/21-08/11
<b>E.S. AEROBIC FITNESS 157, CARDIO PUMP</b> <b>0.5 UNIT</b>					
<i>Instruction in overall fitness development. This class is designed to incorporate weight lifting into a cardio routine. It develops strength and endurance of all major muscle groups using routines performed to music.</i>					
33353	8:00a-10:10a	M W	Tyler D	SAC W-107	06/21-08/11
<b>E.S. AEROBIC FITNESS 158, STEP AEROBICS</b> <b>0.5 UNIT</b>					
<i>An aerobic exercise program that improves flexibility, aerobic conditioning, muscular strength and endurance by utilizing a platform for stepping up and down. Includes a variety of stepping routines and upper body strength training exercises in controlled rhythmic patterns set to music. A complete high intensity low-impact balanced aerobic activity suited to accommodate students in all fitness levels.</i>					
33361	10:20a-12:30p	M W	Tyler D	SAC W-107	06/21-08/11

## EXERCISE SCIENCE AQUATICS

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>E.S. AQUATICS 201, SWIMMING</b> <b>0.5 UNIT</b>					
<i>Instruction and experience in the basic stroke techniques and safety procedures of swimming.</i>					
32845	2:00p-4:50p	Tu Th	Sneddon D	SAC G-121	07/06-08/12

## EXERCISE SCIENCE FITNESS

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>E.S. FITNESS 108, SUMMER CIRCUIT TRAINING</b> <b>0.5 UNIT</b>					
<i>An individualized program for achieving muscle tone while increasing strength and endurance. Emphasis is on warm weather exercise and its effects on the individual. Consists of resistance exercises. Summer session only.</i>					
32930	TBA		Luppani M	SAC E-102	06/21-08/13
Section 32930 new student orientations 10am, 12noon & 6pm, during first week. Fitness Center hours Mon-Thurs 7am-2pm & 5-8pm					
<b>E.S. FITNESS 116, SUMMER CIRCUIT TRAINING FOR SUMMER FITNESS</b> <b>1 UNIT</b>					
<i>Individualized program for achieving muscle tone while increasing strength and endurance. Emphasis is on warm weather exercise and its effects on the individual. Consists of resistance exercises.</i>					
32931	TBA		Luppani M	SAC E-102	06/21-08/13
Section 32931 new student orientations 10am, 12noon & 6pm, during first week. Fitness Center hours Mon-Thurs 7am-2pm & 5-8pm					

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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## EXERCISE SCIENCE HEALTH EDUCATION

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>E.S. HEALTH EDUCATION 101, HEALTHFUL LIVING</b> <b>3 UNITS</b>					
<i>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.</i>					
32824	TBA		Breig D	SAC WEB	06/21-08/13
Go to www.sac.edu/disted for more information. Email instructor first week of class. (breig_david@sac.edu)					
32823	TBA		Breig D	SAC WEB	06/21-08/13
Go to www.sac.edu/disted for more information. Email instructor first week of class. (breig_david@sac.edu)					
<b>E.S. HEALTH EDUCATION 102, WOMEN'S HEALTH ISSUES</b> <b>3 UNITS</b>					
<i>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.</i>					
32227	TBA		Staff	SAC WEB	06/21-08/13
Go to www.sac.edu/disted for more information. Email instructor first week of class.					
<b>E.S. HEALTH EDUCATION 104, NUTRITION AND FITNESS</b> <b>2 UNITS</b>					
<i>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.</i>					
32226	TBA		Staff	SAC WEB	06/21-08/13
Go to www.sac.edu/disted for more information. Email instructor first week of class.					
<b>E.S. HEALTH EDUCATION 107, CARDIOPULMONARY RESUSCITATION</b> <b>2 UNITS</b>					
<i>Instruction in artificial respiration and manual artificial circulation that is recommended for use in cardiac arrest cases. Instruction in the Automatic External Defibrillator (AED) will also be included. Successful completion may lead to American Heart Association Certificate and/or American Red Cross Certificate. May be repeated for recertification.</i>					
32846	9:00a-11:50a	Tu Th	Sneddon D	SAC G-107	07/06-08/12

## EXERCISE SCIENCE INTERCOLLEGIATE ATHLETICS

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>E.S. INTERCOLLEGIATE ATHLETICS 128, CONDITIONING FOR ATHLETES-WOMEN</b> <b>1 UNIT</b>					
<i>An exercise program designed for athletes who participate in women's sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.</i>					
32852	7:00a-8:20a	M Tu W Th	Mitzel M	SAC G-113	06/21-08/12

## EXERCISE SCIENCE OFF SEASON ACTIVITIES

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>E.S. OFF SEASON ACTIVITIES 169, WRESTLING</b> <b>1 UNIT</b>					
<i>Fundamentals of wrestling skills and techniques. Analysis of opponents strengths and weakness will also be considered. Student will master rules, regulations, and ethics of the activity.</i>					
33327	7:05p-10:25p	M W	Silva V	SAC W-111	06/21-08/11
<b>E.S. OFF SEASON ACTIVITIES 210, BASEBALL</b> <b>1 UNIT</b>					
<i>Advanced fundamentals of fielding, throwing and hitting. Includes play situations with an emphasis on team offensive and defensive strategy.</i>					
33379	3:00p-6:20p	M W	Popovich D	SAC G-115	06/21-08/11
<b>E.S. OFF SEASON ACTIVITIES 226, WATERPOLO</b> <b>1 UNIT</b>					
<i>Instruction and experience in the fundamentals and strategies of the sport of water polo.</i>					
33330	5:00p-8:10p	Tu Th	Wright J	SAC G-121	06/21-08/12
<b>E.S. OFF SEASON ACTIVITIES 230, FOOTBALL</b> <b>1 UNIT</b>					
<i>Basic elements of the game including fundamental skills in stance, footwork, tackling and blocking techniques will be presented. Offensive and defensive formations and strategies will be practiced.</i>					
<b>Material Fee(s): \$5</b>					
32844	5:00p-7:50p	Tu W Th	Jones G	SAC G-113	06/22-07/29

## EXERCISE SCIENCE PROFESSIONAL

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>E.S. PROFESSIONAL 150, SPORT AND SOCIETY</b> <b>3 UNITS</b>					
<i>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.</i>					
32830	TBA		Luppani M	SAC WEB	06/21-08/13
Go to www.sac.edu/disted for more information. Email instructor first week of class. (luppani_flo@sac.edu)					

## FIRE TECHNOLOGY

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>FIRE TECHNOLOGY 101, FIRE PROTECTION ORGANIZATION</b> <b>3 UNITS</b>					
<i>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.</i>					
31383	8:00a-11:05a	Tu Th	Freeman S	SAC W-101	06/22-08/12

## GEOGRAPHY

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>GEOGRAPHY 100, WORLD REGIONAL GEOGRAPHY</b> <b>3 UNITS</b>					
<i>The study of major world political and natural regions. The 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.</i>					
32219	8:00a-11:20a	M Tu W Th	Courter W	SAC D-202	06/21-07/15

## GEOLOGY

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>GEOLOGY 101, INTRODUCTION TO GEOLOGY</b> <b>3 UNITS</b>					
<i>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.</i>					
32009	9:00a-1:35p	M W	Hughes P	SAC R-111	06/21-07/28
<b>GEOLOGY 101L, INTRODUCTION TO GEOLOGY LABORATORY</b> <b>1 UNIT</b>					
<i>Study of the common minerals and rocks. Map reading and interpretation of geology using topographic maps, geologic maps and aerial photos.</i>					
32013	9:00a-1:15p	Tu Th	Hughes P	SAC R-111	06/22-07/29

## HISTORY

<b>HISTORY 101, WORLD CIVILIZATIONS TO THE 16TH CENTURY</b> <b>3 UNITS</b>					
<i>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.</i>					
32069	6:00p-9:20p	M W	Ghelfi G	SAC D-212	06/21-08/11
<b>HISTORY 120, THE UNITED STATES TO 1865</b> <b>3 UNITS</b>					
<i>Examines major political, economic, intellectual, and social forces at home and abroad that shaped American life from the colonial period through the Civil War.</i>					
32072	9:00a-12:20p	M W	Ghelfi G	SAC D-212	06/21-08/11
<b>HISTORY 121, THE UNITED STATES SINCE 1865</b> <b>3 UNITS</b>					
<i>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.</i>					
32206	TBA		Ghelfi G	SAC TV	06/21-08/13
<b>HISTORY 124, MEXICAN-AMERICAN HISTORY IN THE UNITED STATES</b> <b>3 UNITS</b>					
<i>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.</i>					
32077	6:00p-9:05p	Tu Th	Veyna A	SAC D-304	06/22-08/12
32074	6:00p-9:20p	M W	Veyna A	SAC D-302	06/21-08/11
<b>HISTORY 127, WOMEN IN U.S. HISTORY</b> <b>3 UNITS</b>					
<i>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.</i>					
32075	9:00a-12:05p	Tu Th	Veyna A	SAC D-105	06/22-08/12

## HUMAN DEVELOPMENT

<b>HUMAN DEVELOPMENT 107, CHILD GROWTH AND DEVELOPMENT (DS1)</b> <b>3 UNITS</b>					
<i>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.</i>					
33094	TBA		Valdez S	SAC WEB	06/21-08/11
Section 33094 is online instruction plus one mandatory orientation meeting on Mon, June 21, 5-6:25 p.m., SAC T-212. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class ( <a href="mailto:valdez_susanne@sac.edu">valdez_susanne@sac.edu</a> )					
33093	9:00a-12:10p	M W	Dunn C	SAC B-33	06/21-08/11
<b>HUMAN DEVELOPMENT 110, CHILD, FAMILY AND COMMUNITY (DS2)</b> <b>3 UNITS</b>					
<i>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.</i>					
33095	9:00a-12:10p	Tu Th	Hardy M	SAC B-33	06/22-08/12
<b>HUMAN DEVELOPMENT 200, COMPUTER LITERACY FOR EARLY CHILDHOOD EDUCATORS</b> <b>3 UNITS</b>					
<i>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.</i>					
33096	9:00a-12:20p	M Tu W Th	Valdez S	SAC T-203	06/21-07/15
<b>HUMAN DEVELOPMENT 205, EXCEPTIONALITY AND SPECIAL NEEDS IN HUMAN DEVELOPMENT</b> <b>3 UNITS</b>					
<i>Study of diseases and disorders found in children resulting in exceptionalities, including mental retardation; visual, speech, and hearing impairments; behavior disorders, learning disabilities and physical and health impairments. (Same as Special Services 205).</i>					
33098	6:00p-9:20p	M W	Silverman L	SAC A-210	06/21-08/11
<b>HUMAN DEVELOPMENT 214, CREATIVE ART EXPERIENCES FOR CHILDREN</b> <b>1.5 UNITS</b>					
<i>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.</i>					
33099	5:00p-10:20p	M	Morgan-Beazell G	SAC B-33	06/21-08/09
<b>HUMAN DEVELOPMENT 230, CHILD GUIDANCE AND CLASSROOM MANAGEMENT</b> <b>2 UNITS</b>					
<i>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.</i>					
33100	7:00p-9:10p	Tu Th	Torresluna J	SAC B-33	06/22-08/12

## JOURNALISM

<b>JOURNALISM 298, PUBLICATION DESIGN</b> <b>3 UNITS</b>					
<i>Stresses professional standards and techniques in publication design and layout. Utilizes desktop publishing as a platform for training in page architecture, layout, color application and typography. For those interested in design careers. Art 121A or 122 recommended.</i>					
Prerequisite: Completion of a college Journalism course.					
31999	9:00a-2:10p	M Tu W Th	Little C	SAC C-201	06/21-07/22

## MANAGEMENT

<b>MANAGEMENT 120, PRINCIPLES OF MANAGEMENT</b> <b>3 UNITS</b>					
<i>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.)</i>					
34776	6:00p-10:20p	M W	Howe J	SAC A-207	07/07-08/11

## MANUFACTURING TECHNOLOGY

<b>MANUFACTURING TECHNOLOGY 073, MASTERCAM - 2D GEOMETRY, 2D TOOLPATHS</b> <b>3 UNITS</b>					
<i>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.</i>					
33101	6:00p-9:10p	M W	Singh N	SAC T-203	06/21-08/11
4 hours per week arranged					
<b>MANUFACTURING TECHNOLOGY 103, SOLIDWORKS BASIC SOLID MODELING</b> <b>3 UNITS</b>					
<i>Introductory course in parametric solid modeling. This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, sweep, primitive, fillet, chamfer, etc), including the preparation of individual solid components and basic solid model assemblies. (Same as Engineering 103.)</i>					
33102	6:00p-10:15p	Tu Th	Singh N	SAC T-203	06/22-08/12
1.5 hours per week arranged					

## MATHEMATICS

<b>MATHEMATICS N05A, BASIC MATHEMATICS A</b> <b>1 UNIT</b>					
<i>Reviews whole numbers and fractions using lectures, self-paced computer assisted instruction, and manipulative activities. Not applicable to associate degree.</i>					
Open Entry / Open Exit					
31880	9:00a-11:50a	M Tu W Th	Rogers N	SAC L-202	06/21-07/29
31932	6:00p-9:50p	M Tu W Th	Mahoney J	SAC L-202	06/21-07/29
<b>MATHEMATICS N05B, BASIC MATHEMATICS B</b> <b>1 UNIT</b>					
<i>Reviews decimals and percents using lectures, self-paced computer assisted instruction, and manipulative activities. Not applicable to associate degree.</i>					
Prerequisite: Mathematics N05A.					
Open Entry / Open Exit					
31886	9:00a-11:50a	M Tu W Th	Rogers N	SAC L-202	06/21-07/29
31933	6:00p-9:50p	M Tu W Th	Mahoney J	SAC L-202	06/21-07/29
<b>MATHEMATICS N05C, BASIC MATHEMATICS C</b> <b>1 UNIT</b>					
<i>Reviews geometric formulas and signed numbers using lectures, self-paced computer assisted instruction, and manipulative activities. Not applicable to associate degree.</i>					
Prerequisite: Mathematics N05A and N05B.					
Open Entry / Open Exit					
31888	9:00a-11:50a	M Tu W Th	Rogers N	SAC L-202	06/21-07/29
31934	6:00p-9:50p	M Tu W Th	Mahoney J	SAC L-202	06/21-07/29
<b>MATHEMATICS N06, ESSENTIAL MATHEMATICS</b> <b>3 UNITS</b>					
<i>Reviews whole numbers, fractions, decimals, percents, geometric formulas and signed numbers. Not applicable to associate degree.</i>					
Prerequisite: Must take math placement test.					
31866	11:00a-1:55p	M Tu W Th	Hashemi S	SAC L-207	06/21-07/29
<b>MATHEMATICS N47A, PRE-ALGEBRA/ALGEBRA ESSENTIALS A</b> <b>2 UNITS</b>					
<i>For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, and algebraic operations using lectures, self-paced computer assisted instruction, and manipulative activities. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to the associate degree.</i>					
Prerequisite: Mathematics N05 (N05A, N05B, and N05C) or N06 with a grade of C or better or equivalent skills as measured by the Math Level 1 Exam and a course equivalent to Math N05 or N06.					
Open Entry / Open Exit					
31891	9:00a-11:50a	M Tu W Th	Rogers N	SAC L-202	06/21-07/29
31935	6:00p-9:50p	M Tu W Th	Mahoney J	SAC L-202	06/21-07/29
<b>MATHEMATICS N47B, PRE-ALGEBRA/ALGEBRA ESSENTIALS B</b> <b>2 UNITS</b>					
<i>For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, and algebraic operations using lectures, self-paced computer assisted instruction, and manipulative activities. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to the associate degree.</i>					
Prerequisite: Mathematics N05 or N06 with a grade of C or better or equivalent skills as measured by the Math Level 1 Exam and a course equivalent to Math N05 or N06. Math N47A is a prerequisite/corequisite.					
Open Entry / Open Exit					
31897	9:00a-11:50a	M Tu W Th	Rogers N	SAC L-202	06/21-07/29
31936	6:00p-9:50p	M Tu W Th	Mahoney J	SAC L-202	06/21-07/29
<b>MATHEMATICS N48, PRE-ALGEBRA/ALGEBRA BASICS</b> <b>4 UNITS</b>					
<i>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.</i>					
Prerequisite: Mathematics N05 or N06 with a grade of C or better or equivalent skills as measured by the Math Level 1 Exam and a course equivalent to Mathematics N05 or N06.					
31867	8:00a-10:55a	M Tu W Th	MacBride-Hart C	SAC L-203	06/21-07/29
31868	3:00p-5:55p	M Tu W Th	Meier K	SAC L-203	06/21-07/29
31869	6:00p-8:55p	M Tu W Th	Meier K	SAC L-203	06/21-07/29
<b>MATHEMATICS 060, ELEMENTARY ALGEBRA</b> <b>4 UNITS</b>					
<i>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.</i>					
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).					
31821	8:00a-10:55a	M Tu W Th	Youssef M	SAC H-104	06/21-07/29
31838	9:00a-11:55a	M Tu W Th	Babaj J	SAC H-105	06/21-07/29
31823	3:00p-5:55p	M Tu W Th	Marecek L	SAC H-104	06/21-07/29
31837	6:30p-9:25p	M Tu W Th	Maiah A	SAC H-107	06/21-07/29

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES	SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>MATHEMATICS 080, INTERMEDIATE ALGEBRA</b> <b>4 UNITS</b>						<b>MUSIC 122, INTERMEDIATE VOICE</b> <b>1 UNIT</b>					
<i>Systems of equations; inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, problem solving.</i>						<i>Group instruction designed to develop intermediate principles of solo and choral voice production, diction, breath control and posture. Vocal analysis of each student emphasized. Practice outside of class required. Song literature matched to student level. Designed for both music majors and non music majors.</i>					
Prerequisite: Mathematics 060 with a grade of C or better; or placement into mathematics 080 on the mathematics level 2 placement exam and a course equivalent to mathematics 060.						Prerequisite: Music 121.					
31839	7:30a-11:05a	M Tu W Th	Zarske J	SAC H-109	06/21-07/29	32070	6:00p-8:10p	M W	O'Hern E	SAC N-117	06/21-08/11
31842	8:00a-1:50p	M Tu W Th	Nguyen K	SAC R-113	06/21-07/15	<b>MUSIC 123, ADVANCED VOICE</b> <b>1 UNIT</b>					
31841	9:00a-12:35p	M Tu W Th	Lechova J	SAC I-203	06/21-07/29	<i>Group instruction designed to present advanced vocal exercises for solo and choral vocal production. Instruction includes song literature in English and several foreign languages. Practice outside of class required. Designed for both music majors and non music majors.</i>					
31843	11:30a-3:05p	M Tu W Th	Carrera C	SAC I-202	06/21-07/29	Prerequisite: Music 122.					
31840	5:00p-8:35p	M Tu W Th	Leeds K	SAC I-203	06/21-07/29	32071	6:00p-8:10p	M W	O'Hern E	SAC N-117	06/21-08/11
<b>MATHEMATICS 105, MATHEMATICS FOR LIBERAL ARTS STUDENTS</b> <b>3 UNITS</b>						<b>MUSIC 124, ADVANCED VOCAL PRODUCTION AND REPERTOIRE</b> <b>1 UNIT</b>					
<i>An overview of mathematics for the liberal arts student. Topics will include problem solving, financial management, probability, statistics, and selected other topics such as set of theory, geometry, logic, mathematical modeling, and the history of mathematics.</i>						<i>Continuation of group instruction for students who have completed three semesters of voice and can perform at an advanced level. Further develops advanced vocal and choral production through a variety of vocalize styles and techniques. Instruction includes advanced English and foreign language song literature. Practice outside of class required. Designed for both music majors and non music majors.</i>					
Prerequisite: Mathematics 080 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.						Prerequisite: Music 123.					
31844	3:30p-6:25p	M Tu W Th	Copeland M	SAC I-202	06/21-07/29	32078	6:00p-8:10p	M W	O'Hern E	SAC N-117	06/21-08/11
<b>MATHEMATICS 140, COLLEGE ALGEBRA</b> <b>4 UNITS</b>						<b>MUSIC 161, CLASS PIANO I</b> <b>1 UNIT</b>					
<i>Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series; counting theory; probability.</i>						<i>Group instruction for beginners emphasizing note reading, basic keyboard skills, chord patterns and sight reading. Practice outside of class required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.</i>					
Prerequisite: Mathematics 080 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.						Prerequisite: Music 123.					
31845	12:00p-2:55p	M Tu W Th	Kassman S	SAC H-107	06/21-07/29	32079	11:00a-1:10p	M W	Blake P	SAC N-106	06/21-08/11
<b>MATHEMATICS 150, CALCULUS FOR BIOLOGICAL, MANAGEMENT AND SOCIAL SCIENCES</b> <b>4 UNITS</b>						32080					
<i>Single and multi-variable calculus including limits, derivatives, integrals, exponentials and logarithmic functions and partial derivatives. Applications are drawn from Biology, Social Science and Business.</i>						6:00p-8:10p M W					
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.						O'Hern E SAC N-117 06/21-08/11					
31846	6:00p-9:35p	M Tu W Th	Sandova-Martinez M	SAC H-105	06/21-07/29	<b>MUSIC 169, HARMONIZATION AT THE KEYBOARD</b> <b>1 UNIT</b>					
<b>MATHEMATICS 160, TRIGONOMETRY</b> <b>4 UNITS</b>						<i>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.</i>					
<i>Angles and their measurement, trigonometry functions and their applications, including vector problems. Use of trigonometric identities. Graphing the basic functions and variations, solving trigonometric equations. Graphing using polar coordinates, and use of complex numbers.</i>						32081					
Prerequisite: Both Mathematics 070 and 080 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.						7:00p-9:00p Tu Th					
31849	8:00a-10:55a	M Tu W Th	Everett M	SAC H-107	06/21-07/29	1.5 hours arranged each week					
<b>MATHEMATICS 170, PRE-CALCULUS MATHEMATICS</b> <b>4 UNITS</b>						<b>MUSIC 185, BEGINNING CLASSICAL GUITAR</b> <b>1 UNIT</b>					
<i>Advanced algebraic topics. Study of rational, trigonometric, exponential and logarithmic functions, and analytic geometry. Preparation for Mathematics 180.</i>						<i>Guitar playing techniques of right hand and left hand fingers. Development of correct finger usage. Basic instruction in reading staff notation and relating staff notation to practical playing of solo and ensemble repertoire. Student must furnish nylon string guitar.</i>					
Prerequisite: Mathematics 160 with a grade of C or better or equivalent skills as measured by the Math Level 4 Exam and a course equivalent to Mathematics 160.						32083					
31852	11:30a-3:05p	M Tu W Th	MacBride-Hart C	SAC H-109	06/21-07/29	6:00p-8:00p Tu Th					
<b>MATHEMATICS 180, ANALYTIC GEOMETRY AND CALCULUS</b> <b>4 UNITS</b>						Giralдин M SAC N-114 06/21-08/12					
<i>Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates and areas.</i>						<b>NURSING-CONTINUING EDUCATION</b>					
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.						<b>NURSING-CONTINUING EDUCATION 098, NCLEX-RN EXAM PREPARATION COURSE FOR THE GRADUATE NURSE</b> <b>1 UNIT</b>					
31855	11:00a-2:35p	M Tu W Th	Leeds K	SAC H-104	06/21-07/29	<i>Provides the student with a process for test taking and to prepare the student to successfully pass the NCLEX-RN exam. This course is designed for graduates of accredited schools of nursing.</i>					
<b>MATHEMATICS 185, ANALYTIC GEOMETRY AND CALCULUS</b> <b>4 UNITS</b>						31760					
<i>Applications of integrals, including volumes, work, arc length, and surface area. Integration techniques, differential equations, conics, parametric equations, polar coordinates, improper integrals, sequences and infinite series.</i>						8:00a-1:00p M Tu W Th					
Prerequisite: Mathematics 180 or 180H, first semester calculus, with a grade of C or better.						Simbro T SAC R-124 06/07-06/17					
31858	6:30p-10:05p	M Tu W Th	Smith J	SAC H-104	06/21-07/29	20 computer lab hours required.					
<b>MATHEMATICS 219, STATISTICS AND PROBABILITY</b> <b>4 UNITS</b>						<b>NURSING-REGISTERED</b>					
<i>Beginning course in statistics. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes use of technology. (Same as Social Science 219.)</i>						<b>NURSING-REGISTERED 103, PHARMACOLOGICAL CONCEPTS OF NURSING</b> <b>2 UNITS</b>					
Prerequisite: Mathematics 080 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.						<i>Introduction to pharmacology, dosage calculations, drug classifications and application of nursing process to drug administration. Completion required prior to entry into Nursing-Registered 102/102L.</i>					
31860	11:00a-2:35p	M Tu W Th	Everett M	SAC H-108	06/21-07/29	Prerequisite: English 101, Biology 149 or 239, Biology 249, Biology 139 or 229.					
31859	6:00p-9:35p	M Tu W Th	Pham T	SAC H-108	06/21-07/29	31758					
<b>MUSIC</b>						TBA Paunovic M SAC WEB 06/23-08/11					
<b>MUSIC 101, MUSIC APPRECIATION</b> <b>3 UNITS</b>						This course combines online and on-campus instruction. Mandatory orientation on Wednesday June 23 from 9:00am to 11:05am in Room A-130 SAC campus. Testing dates to be arranged. See Online Courses page in class schedule or go to <a href="http://www.sac.edu/students/online_classes">www.sac.edu/students/online_classes</a> for more information.					
<i>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.</i>						Class will meet on-campus on 6/23/10, 6/30/10, 7/14/10, 7/28/10 and 8/11/10.					
32063	TBA		Jones E	SAC WEB	06/21-07/30	<b>NURSING-REGISTERED 112, NURSING CONCEPTS</b> <b>1.5 UNITS</b>					
Section 32063 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information.						<i>Emphasizes development of the registered nurse including role, communication, nursing process, legal and ethical concepts, dimensional analysis, test taking strategies, the Santa Ana Conceptual Framework for Nursing, nutrition and medical terminology. Completion required prior to entry into Nursing-Registered 102/102L.</i>					
32064	6:00p-10:10p	Tu Th	Jones J	SAC C-104	06/21-07/29	Prerequisite: English 101, Biology 149 or Biology 239, Biology 249, Biology 139 or 229.					
<b>MUSIC 103, JAZZ IN AMERICA</b> <b>3 UNITS</b>						31759					
<i>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.</i>						10:15a-11:50a M					
32066	9:00a-1:20p	M W	Kehlenbach E	SAC N-114	06/21-07/28	Brown S SAC R-128 06/21-07/26					
<b>MUSIC 121, BEGINNING VOICE</b> <b>1 UNIT</b>						Section 31759 combines on-line and on-campus instruction. On-campus instructions meets on Mondays from 10:15am to 11:50am, in R-128. See on-line courses page in class schedule or go to <a href="http://www.sac.edu/students/online_classes">www.sac.edu/students/online_classes</a> for more information.					
<i>Group instruction designed to develop basic principles of solo and choral voice production, diction, breath control, and posture. Practice outside of class required. Recommended for non music majors and for music majors not studying privately.</i>						32871					
32068	6:00p-8:10p	M W	O'Hern E	SAC N-117	06/21-08/11	TBA Higgins R SAC WEB 06/21-08/13					
<b>MUSIC</b>						Section 32871 is online instruction plus mandatory orientation: Wed, 06/23, 6-7pm, SAC,T-212. Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class ( <a href="mailto:higgins_rita@sac.edu">higgins_rita@sac.edu</a> )					
<b>NUTRITION &amp; FOOD</b>						<b>NUTRITION &amp; FOOD 115, NUTRITION</b> <b>3 UNITS</b>					
<i>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.</i>						<i>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.</i>					
<b>PARALEGAL</b>						32871					
<b>PARALEGAL 101, LAW OFFICE MANAGEMENT</b> <b>2 UNITS</b>						TBA					
<i>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.</i>						Higgins R SAC WEB 06/21-08/13					
32165	TBA		Manzano F	SAC WEB	06/21-07/30	Section 32165 Check class web site at <a href="http://rscd.blackboard.com">rscd.blackboard.com</a> for information and orientation.					
<b>PARALEGAL 120, COMPUTERS IN THE LAW OFFICE</b> <b>3 UNITS</b>						<b>PARALEGAL 120, COMPUTERS IN THE LAW OFFICE</b> <b>3 UNITS</b>					
<i>Basic computer concepts for law office personnel. The focus will be on current hardware and software used in the law office.</i>						<i>Basic computer concepts for law office personnel. The focus will be on current hardware and software used in the law office.</i>					
<b>Material Fee(s): \$4</b>						32151					
						6:00p-10:10p Tu Th					
						Keck E SAC A-222 06/22-07/29					
						2.5 hours per week arranged					



SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>PARALEGAL 121, ETHICS AND PROFESSIONAL RESPONSIBILITY 2 UNITS</b>					
<i>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.</i>					
32242	TBA		Manzano F	SAC WEB	06/21-08/13
Section 32242 Go to <a href="http://www.sac.edu/disted">www.sac.edu/disted</a> for more information. Email instructor first week of class. ( <a href="mailto:manzano_rick@sac.edu">manzano_rick@sac.edu</a> )					

<b>PARALEGAL 130, LEGAL TRANSACTIONS 3 UNITS</b>					
<i>Introduction to contracts and drafting legal documents. Contract formation, performance, breach and third party interests. Student will learn to draft various contracts and other documents and will select, edit and customize formbook and computerized forms in real property, family law, and estate planning.</i>					
32164	6:00p-9:15p	MW	Staff	SAC A-205	06/21-08/11

## PHARMACY TECHNOLOGY

<b>PHARMACY TECHNOLOGY 048, INTRODUCTION TO PHARMACY TECHNOLOGY 2 UNITS</b>					
<i>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, drug development processes, and drug classification systems. Introduction to prescription labeling and to the law and ethics of pharmacy practice.</i>					
32864	6:00p-8:05p	MW	Nguyen H	SAC H-207	06/21-08/11

<b>PHARMACY TECHNOLOGY 051, BODY SYSTEMS I 3.5 UNITS</b>					
<i>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.</i>					
32865	6:00p-9:30p	Tu Th	Jacobson J	SAC H-210	06/22-08/12

<b>PHARMACY TECHNOLOGY 054, PHARMACY CALCULATIONS 2 UNITS</b>					
<i>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.</i>					
32866	8:15p-10:20p	MW	Nguyen H	SAC H-207	06/21-08/11

<b>PHARMACY TECHNOLOGY 057, INPATIENT PHARMACY SERVICES 1.5 UNITS</b>					
<i>Technical aspects of drug distribution for the inpatient (hospital) pharmacy setting. Hands-on training in medication order processing, pharmacy patient profile maintenance, medication preparation, and inpatient drug distribution using manual and automated systems. Includes electronic and manual record-keeping, pharmacy law, and CQI.</i>					

Prerequisite: Completion of Pharmacy Technology 048, 054, and 051 or 052 with grades of C or better, 30wpm typing.

32867	6:00p-9:20p	MW	Ross Jr J	SAC H-210	06/21-08/11
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**PHARMACY TECHNOLOGY 061, PHARMACY TECHNOLOGY SKILLS LAB 0.5 UNIT**

*Supervised use of the Pharmacy Technology lab to assist the student in developing competency in the technical skills required to successfully complete the Pharmacy Operations, Inpatient Pharmacy Services, Sterile Products, Pharmacy Technology Externship, and/or Sterile Products Review courses. Lab hours verified by sign-in.*

Open Entry / Open Exit

32868	2:00p-5:00p	MW	Ross Jr J	SAC H-210	06/21-08/11
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<b>PHARMACY TECHNOLOGY 072, PHARMACY TECHNOLOGY EXTERNSHIP 0.5 - 4 UNITS</b>					
<i>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 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.</i>					

Prerequisite: Pharmacy Technology 056, 057, or 060 with a grade of C or better; current TB clearance; Speech Communications 097, 101, 101H or 102.

Open Entry / Open Exit

32869	TBA		Huynh-Dang K	SAC H-210	06/05-08/22
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<b>PHARMACY TECHNOLOGY 080, PHARMACY CALCULATIONS REVIEW 2 UNITS</b>					
<i>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.</i>					

Prerequisite: Pharmacy Technology 054.

32870	8:15p-10:20p	MW	Nguyen H	SAC H-207	06/21-08/11
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## PHILOSOPHY

<b>PHILOSOPHY 106, INTRODUCTION TO PHILOSOPHY 3 UNITS</b>					
<i>A survey of historical and contemporary ideas on how to live the good life.</i>					
32084	9:00a-12:20p	MW	Shigematsu T	SAC D-105	06/21-08/11

<b>PHILOSOPHY 108, ETHICS 3 UNITS</b>					
<i>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.</i>					
32085	6:00p-10:10p	MW	Fish Z	SAC D-304	07/07-08/11

<b>PHILOSOPHY 110, CRITICAL THINKING 4 UNITS</b>					
<i>College-level critical thinking and writing. Promotes self-awareness, independent thinking, and improved academic expression. Examines philosophical methods of reasoning and composition, and the uses of informal logic and criticism in personal life, college, work, and democratic society.</i>					

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

32086	6:00p-10:10p	MW	Shigematsu T	SAC D-105	06/21-08/11
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## PHOTOGRAPHY

<b>PHOTOGRAPHY 180, BEGINNING PHOTOGRAPHY 3 UNITS</b>					
<i>A beginning black and white photography course including cameras, exposure meters, film, lighting, darkroom printing, digital process and print presentation. The student will develop aesthetic knowledge and technical skills of photography. An adjustable film camera is required.</i>					

Material Fee(s): \$15

32094	9:00a-2:20p	MW	Marquez P	SAC R-303	06/21-08/11
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\$15 Material fee

32093	5:00p-10:10p	Tu Th	Lanoue M	SAC R-303	06/22-08/12
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Material fee: \$15

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
<b>PHYSICAL SCIENCE</b>					

<b>PHYSICAL SCIENCE 117, PHYSICAL SCIENCE SURVEY 3 UNITS</b>					
<i>Introduction to the methods of science and concepts relating to mechanics, states of matter, waves, heat, electricity, light, atomic structure and chemical reactions. May include topics from Earth and space science. Emphasis is on basic principles, relationships, and applications to modern civilization. This course is open to all majors. Concurrent enrollment in Physical Science 118 is highly recommended.</i>					
32027	10:15a-2:30p	Tu Th	Budarz T	SAC R-128	06/22-07/29

<b>PHYSICAL SCIENCE 118, PHYSICAL SCIENCE SURVEY LABORATORY 1 UNIT</b>					
<i>Laboratory course to accompany Physical Science 117. Laboratory topics include: motion, forces, energy, thermodynamics, electricity, circuits, optics, and chemical reactions.</i>					
32028	10:15a-2:50p	MW	Budarz T	SAC R-328	06/21-07/28

## PHYSICS

<b>PHYSICS 109, SURVEY OF GENERAL PHYSICS 4 UNITS</b>					
<i>The study of important phenomena in physics. Topics include: mechanics, fluids, thermodynamics, sound, light, electricity, magnetism and modern physics. Recommended for all students interested in a conceptual approach to physics and students planning on taking more advanced courses in physics.</i>					
32026	10:15a-2:30p	Tu Th	Budarz T	SAC R-128	06/21-07/29
	10:15a-2:50p	MW	Budarz T	SAC R-328	

## POLITICAL SCIENCE

<b>POLITICAL SCIENCE 101, INTRODUCTION TO AMERICAN GOVERNMENTS 3 UNITS</b>					
<i>Study of United States national government and California state and local governments. Satisfies graduation requirement for American institutions and state requirements for California state government.</i>					
32208	8:00a-10:05a	M Tu W Th	Murphy T	SAC D-106	07/06-08/12
32124	9:00a-1:20p	MW	Andrade P	SAC D-101	07/07-08/11
32120	11:00a-1:05p	M Tu W Th	Murphy T	SAC D-106	07/06-08/12
32115	6:00p-10:10p	MW	Andrade P	SAC D-101	07/07-08/11
32127	6:00p-10:10p	Tu Th	Murphy T	SAC D-106	07/06-08/12
32210	6:00p-9:05p	Tu Th	Staff	SAC D-101	06/22-08/12

## PSYCHOLOGY

<b>PSYCHOLOGY 100, INTRODUCTION TO PSYCHOLOGY 3 UNITS</b>					
<i>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.</i>					
32142	8:00a-12:10p	Tu Th	Ortiz F	SAC D-208	07/06-08/12
32139	8:00a-12:10p	Tu Th	Pedroza J	SAC D-434	07/06-08/12
32130	8:00a-12:20p	MW	Ortiz F	SAC D-434	07/07-08/11
32137	1:00p-5:10p	Tu Th	Pedroza J	SAC D-434	07/06-08/12
32134	6:00p-10:10p	Tu Th	Ortiz F	SAC D-434	07/06-08/12

## READING

<b>READING N80A, FUNDAMENTALS OF READING 3 UNITS</b>					
<i>Instruction in basic reading skills including techniques for improving vocabulary and spelling, word attack skills, and reading comprehension. Not applicable to associate degree.</i>					
32145	6:00p-10:10p	Tu Th	Colunga M	SAC D-307-1	07/06-08/12

<b>READING N80B, FUNDAMENTALS OF READING 3 UNITS</b>					
<i>Continued instruction in basic reading skills including techniques for improving vocabulary and spelling, word attack skills, and reading comprehension. Not applicable to associate degree.</i>					
Prerequisite: Reading N80A.					
32146	6:00p-10:10p	Tu Th	Colunga M	SAC D-307-1	07/06-08/12

<b>READING N90A, INDIVIDUALIZED READING 3 UNITS</b>					
<i>Individualized instruction in vocabulary, comprehension, critical evaluation and reading rate. Grade: CR/NC only.</i>					
32148	9:00a-1:10p	Tu Th	Staff	SAC D-309	07/06-08/12

<b>READING N90B, INDIVIDUALIZED READING 3 UNITS</b>					
<i>Further develops reading skills. Individualized instruction in vocabulary, comprehension, critical evaluation and reading rate. Grade: CR/NC only.</i>					
Prerequisite: Reading N90A.					
32149	9:00a-1:10p	Tu Th	Staff	SAC D-309	07/06-08/12

<b>READING 150, CRITICAL READING 3 UNITS</b>					
<i>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.</i>					
32143	8:00a-12:20p	MW	Gilreath G	SAC D-309	07/07-08/11

## SIGN LANGUAGE

<b>SIGN LANGUAGE 110, AMERICAN SIGN LANGUAGE I 3 UNITS</b>					
<i>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.</i>					
32717	9:00a-11:50a	Tu Th	Yingst S	SAC R-117	06/22-08/12
32719	6:30p-9:35p	Tu Th	Larson S	SAC R-117	06/22-08/12

## SOCIAL SCIENCE

<b>SOCIAL SCIENCE 219, STATISTICS AND PROBABILITY 4 UNITS</b>					
<i>Beginning course in statistics. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes use of technology. (Same as Mathematics 219.)</i>					
Prerequisite: Mathematics 080 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 or 140.					
31865	11:00a-2:35p	M Tu W Th	Everett M	SAC H-108	06/21-07/29
31864	6:00p-9:35p	M Tu W Th	Pham T	SAC H-108	06/21-07/29

**SOCIOLOGY**

**SOCIOLOGY 100, INTRODUCTION TO SOCIOLOGY 3 UNITS**  
*The scientific study of human societies and behavior focusing on the process of social interaction, patterns of social inequality, and the influence of social institutions on individuals as members of social groups. Special emphasis provided to explain factors promoting social stability and social change.*

32090	TBA		Rogers N	SAC TV	06/21-08/13
Section 32090 Go to www.sac.edu/disted for more information.					
32087	9:00a-12:05p	Tu Th	Dobos D	SAC D-101	06/22-08/12
32089	7:00p-10:05p	Tu Th	Dobos D	SAC D-208	06/22-08/12

**SOCIOLOGY 112, RELATIONSHIPS, MARRIAGES, AND FAMILY DYNAMICS 3 UNITS**  
*In-depth examination of the process of developing intimate relationships leading to committed partnerships and marriages with emphasis on effective communication techniques, understanding relationship dynamics, parenting, diverse family systems and overcoming family stressors at each life stage.*

32092	TBA		Rogers N	SAC TV	06/21-08/13
Section 32092 Go to www.sac.edu/disted for more information.					

**SPANISH**

**SPANISH 101, ELEMENTARY SPANISH I 5 UNITS**  
*Practice and integration of pronunciation, grammar, vocabulary, common idioms, listening, speaking, reading and writing techniques for the expression of ideas orally and in writing. Introduction to Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 101 is equivalent to two years of high school Spanish. Sixteen additional hours in the Modern Language Lab required. (One hour per week for 16-week semester sections and two hours per week for 8-week summer sessions).*

31743	8:00a-11:35a	M Tu W Th	Lopez-Jaurequi L	SAC D-304	07/06-08/12
Section 31743 is designed for Spanish speakers. Open to all students. 16 additional hours required in the Modern Language Lab, 3 hours per week.					
31741	4:15p-6:45p	M Tu W Th	Guerrero-Phlaum M	SAC D-305	06/21-08/12
16 additional hours required in the Modern Language Lab, 2 hours per week.					

**SPANISH 102, ELEMENTARY SPANISH II 5 UNITS**  
*A college level Spanish class focusing on further training in language skills providing avenues for the expression of ideas orally and in writing. Additional study of Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 102 is equivalent to the third year of high school Spanish. Sixteen additional hours in the Modern Language Lab required. (One hour per week for 16-week semester sections and two hours per week for 8-week summer sessions).*

Prerequisite: Spanish 101/101H, or two years of high school Spanish and a high school or college GPA of 3.0 or above.

31744	11:00a-1:35p	M Tu W Th	Guerrero-Phlaum M	SAC D-305	06/21-08/12
16 additional hours required in the Modern Language Lab, 2 hours per week.					

**SPECIAL SERVICES**

**SPECIAL SERVICES N62, ASSESSMENT OF LEARNING POTENTIAL 0.2 UNIT**  
*Designed to assess the learning potential, learning deficits and basic skill levels of students referred to the Learning Disabilities Program. Not applicable to associate degree.*

32720	TBA		Choo B	SAC U-103	06/21-08/13
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**SPECIAL SERVICES N83, CAREER EXPLORATION 0.5 UNIT**  
*Designed to assist students in exploration of appropriate career areas. Includes vocational assessment, self-awareness, goal setting, job market outlook, individualized task analysis of jobs, career planning and job search techniques. Open to students with disabilities in the WorkAbility Program. Not applicable to Associates of Arts and Science degrees.*

32722	TBA		Mathis J	SAC L-225	06/21-08/15
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**SPEECH COMMUNICATION**

**SPEECH COMMUNICATION N50, PRONUNCIATION SKILLS LABORATORY 0.5 - 1 UNITS**  
*Sign-in/out listening and speaking practice in a lab setting. Utilizes pronunciation and vocabulary/conversational material. 24 hours earn 0.5 unit; 48 hours, 1 unit. Not applicable to associate degree.*

32138	TBA		Huebsch M	SAC D-301	06/21-07/30
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**SPEECH COMMUNICATION N54, ACCENT REDUCTION 0.5 - 1 UNITS**  
*Individualized instruction to assist in the reduction of foreign accents. Improvement of discrimination and production of the American English sound system, melody, intonation and stress patterns. Not applicable to associate degree.*

Prerequisite: English for Multilingual Students 055.

32140	TBA		Winkle K	SAC A-217	06/21-07/30
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**SPEECH COMMUNICATION 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION 3 UNITS**  
*Introduction to communication skills of listening, perception, language usage, non-verbal communication, and conflict management, emphasizing methods of overcoming barriers to effective communication in interpersonal relationships. Recommended for students who have completed or are currently enrolled in English 101.*

32098	TBA		Hondo K	SAC WEB	06/21-07/16
Section 32098 Go to www.sac.edu/disted for more information.					
32100	TBA		Hondo K	SAC WEB	06/21-07/16
Section 32100 Go to www.sac.edu/disted for more information.					
32095	9:00a-1:20p	M W	Hondo K	SAC C-202	06/21-07/28
32768	9:00a-1:15p	Tu Th	Hondo K	SAC C-202	06/22-07/29
32097	6:00p-10:15p	Tu Th	Holder V	SAC C-202	06/22-07/29
32096	6:00p-10:15p	M Tu Th	Fondren S	SAC C-213	06/21-07/15

**SPEECH COMMUNICATION 102, PUBLIC SPEAKING 3 UNITS**  
*Teaches critical thinking skills in relation to public speaking. Emphasis on the process, principles, and major facets of critical thinking with practice through oral presentations. Speech Communication 097 recommended for non-native speakers.*

32116	8:00a-12:20p	M W	Lockwood L	SAC C-214	06/21-07/28
32119	8:00a-12:10p	Tu Th	Lockwood L	SAC C-214	06/22-07/29
32104	6:00p-10:20p	M W	Holder V	SAC C-202	06/21-07/28

**SPEECH COMMUNICATION 140, ARGUMENTATION AND DEBATE 3 UNITS**  
*Principles of debate techniques with emphasis on methods of logical analysis and reflective thinking. Practical application through adaptation of material to forms of debate on current issues. Completion of or concurrent enrollment in English 101 recommended. Speech Communication 097 recommended for non-native speakers.*

32126	6:00p-10:10p	Tu Th	Lockwood L	SAC C-207	06/22-07/29
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**STUDY SKILLS**

**STUDY SKILLS N96, TRAINING FOR TUTORIAL ASSISTANTS 0.5 UNIT**  
*Designed to help develop those skills necessary to become an effective tutor. Focuses on a variety of factors relative to the tutorial relationship, with emphasis on helping students help themselves. Not applicable to associate degree.*

32900	TBA		Conner M	SAC U-202	06/21-08/13
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**STUDY SKILLS 109, COLLEGE LEARNING SKILLS 3 UNITS**  
*Development of operative college learning skills. Topics include: Time Management, Listening, Notetaking, Textbook Study, Exam Preparation, Memory Techniques, and Critical Reading.*

32897	9:00a-12:00p	Tu Th	Sanchez G	SAC I-107	06/22-08/12
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**TELEVISION/VIDEO COMMUNICATIONS**

**TELEVISION/VIDEO COMMUNICATIONS 009, TELEVISION/VIDEO COMMUNICATIONS LABORATORY 0.5 UNIT**  
*Sign-in/out supervised work on television projects/production assigned in TV/Video Communications classes 110 or above or on independent projects. Completion of new assignments each semester. Accumulation of 24 hours earns 0.5 unit. Requires concurrent enrollment in courses 110 or above.*

32156	TBA		Bales T	SAC DMC-135	06/21-08/13
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**TELEVISION/VIDEO COMMUNICATIONS 098, TELEVISION/VIDEO COMMUNICATIONS ADVANCED LABORATORY 0.5 UNIT**  
*Sign-in/out supervised work on advanced television projects/production assigned in TV/Video Communications classes 110 or above or on independent projects. Completion of new and more advanced assignments each semester. Accumulation of 24 hours earns 0.5 unit. Requires concurrent enrollment in classes 110 or higher.*

33017	TBA		Bales T	SAC	06/21-08/12
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**TELEVISION/VIDEO COMMUNICATIONS 104, HISTORY OF FILM FROM 1945 TO PRESENT 3 UNITS**  
*A lecture/visual aids course exploring film as an art form and developing appreciation of historical, artistic and technical advances. (Same as Theatre Arts 104).*

32159	9:00a-12:10p	M W	Bales T	SAC A-210	06/21-08/11
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**TELEVISION/VIDEO COMMUNICATIONS 131, BROADCAST NEWS SUMMER WORKSHOP 2 UNITS**  
*Production of segments for cable television news and sports programs. Training in studio production, interviewing, on-camera appearance, and scripting. Prior or concurrent enrollment in Television/Video Communications 110 or 130 recommended.*

32161	11:00a-1:30p	Tu Th	Bales T	SAC DMC-135	06/22-08/12
3 hours arranged each week					

**TELEVISION/VIDEO COMMUNICATIONS 298, TV/VIDEO COMMUNICATIONS PRACTICUM/INTERNSHIP 2 - 4 UNITS**  
*Supervised field work in broadcast writing, announcing, journalism, editing or production at professional sites. Skills assessed before placement to match abilities with employer needs. Concurrent enrollment or completion of one TV/Video Communications production class recommended.*

32163	TBA		Bales T	SAC DMC-135	06/21-08/13
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**THEATRE ARTS**

**THEATRE ARTS 104, HISTORY OF FILM FROM 1945 TO PRESENT 3 UNITS**  
*A lecture/visual aids course exploring film as an art form and developing appreciation of historical, artistic and technical advances. (Same as Television/Video Communications 104).*

32166	9:00a-12:10p	M W	Bales T	SAC A-210	06/21-08/11
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**THEATRE ARTS 110, ACTING FUNDAMENTALS 3 UNITS**  
*A study of acting involving the development of acting techniques, styles and disciplines. Provides theory and practical experience with varied characterizations. Emphasizes individual growth and acquired skills necessary to the acting craft.*

32168	6:00p-10:05p	Tu Th	Donchey S	SAC P-105	06/22-08/12
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**THEATRE ARTS 111, INTERMEDIATE ACTING 3 UNITS**  
*Further study in the art of acting for the stage, investigating in-depth character study, role portrayal, special problems, and personal technique. Acting skills developed through use of exercises, monologues, and scenes from contemporary theatre.*

Prerequisite: Theatre Arts 110.

32178	6:00p-10:05p	Tu Th	Donchey S	SAC P-105	06/22-08/12
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**THEATRE ARTS 118, FUNDAMENTALS OF SCENE STUDY 2 UNITS**  
*A continued study for the beginning actor in the preparation and presentation of scenes from contemporary drama. Students prepare scenes with partners for performance and critique. Recommended for acting majors.*

Prerequisite: Theatre Arts 110.

32187	6:00p-10:05p	Tu Th	Donchey S	SAC P-105	06/22-08/12
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**WELDING**


**WELDING 020, WELDING LABORATORY 0.5 - 5 UNITS**  
*Independent practice for advanced knowledge and skills development in specific areas of welding technology. Students furnish own equipment.*


35049	4:30p-5:40p	Tu Th	Moreno G	SAC K-101	06/22-08/12
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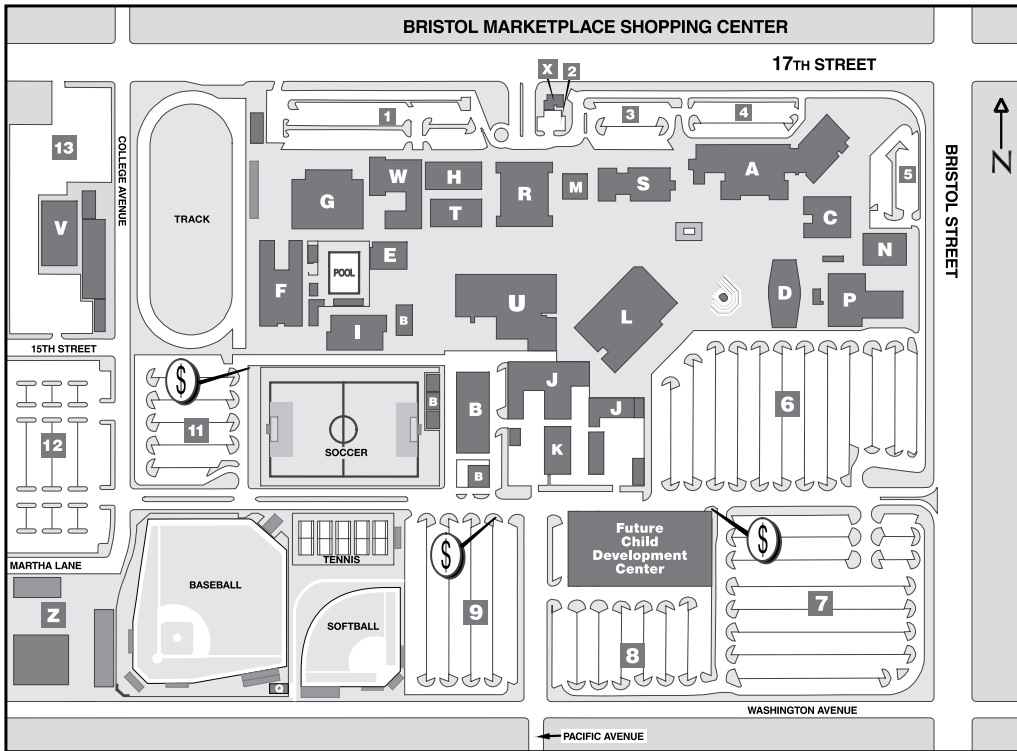
**WELDING 029, ADVANCED ARC WELDING 3 UNITS**  
*Provides advanced manipulative skills and technical knowledge needed to pass a 1" plate guided bend test required for structural steel certification.*

Prerequisite: Welding 008, satisfactory completion of proficiency exam in arc welding skills, and concurrent enrollment in Welding 020.

32882	6:00p-9:10p	M Tu W Th	Moreno G	SAC K-101	06/21-08/12
1.5 hours per week arranged					

 Online Classes. For more information go to [www.sac.edu/disted](http://www.sac.edu/disted)

 Television Classes. For more information go to [www.sac.edu/disted](http://www.sac.edu/disted)



**SANTA ANA**  
**COLLEGE**  
1530 W. 17th Street  
Santa Ana, CA 92706  
714-564-6000



**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> Child Development Center  |
| <b>I</b> Classroom Building                            | <b>W</b> Exercise Science  |
| <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                               |  |
| <b>M</b> Planetarium                                   |  |

### SAC Parking

- 1** Staff Parking
- 2** **3** Visitor Parking
- 4** **5** Staff Parking
- 6** **13** Student Parking (except as posted)
- \$** Permit Dispenser (\$2.00 for 8 hours)

# 2010 Santa Ana College Summer Schedule of Classes

## 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

**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