



2017 summer schedule of classes

June 19, 2017 – August 13, 2017



Congratulations! We are very pleased you have made a decision to enroll in a class or classes that SAC is offering during the 2017 Summer. How fabulous that you are using this time to complete classes that may be part of your pathway program leading to an Associate's Degree or Certificate of Achievement. Every class you complete with a "C" or better moves you closer to accomplishing your academic goals, especially those classes you enroll in during Summer. The length of Summer is designed to help you maximize the time you dedicate to attending class and studying at SAC. Whether you choose to attend SAC full or part-time there is something in our Summer 2017 schedule for you! We are here to help you earn your credentials and provide you with access to a variety of support resources. Thank you for choosing to invest in yourself at Santa Ana College!

Linda D. Rose, Ed.D.
President

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



SANTA ANA
COLLEGE

HOW TO APPLY AND REGISTER

NOTE:

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

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

STEP ONE:

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

STEP TWO:

ONLINE REGISTRATION STEPS:

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

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

ONLINE PRIORITY REGISTRATION DATES:

Veterans/Foster Youth/CalWORKs/DSPS/EOPS. . .	May 17–June 16
Continuing Students	May 19–June 16
New Students	June 5–June 16
Loss of Priority Registration Students.	June 8–June 16
CAP High School Students	June 9–June 16

DROP FOR NON-PAYMENT POLICY

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

STUDENT RESPONSIBILITY TO DROP CLASSES

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

WAIT LIST POLICY

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

PAY FEES IMMEDIATELY

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

Pay Online with a credit card at www.sac.edu

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

or mail check or money order to:

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

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

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

Enrollment Fee: \$46.00 per unit. Payment is required of all students upon registering for classes.

Non Resident Tuition: \$255.00 per unit (\$224.00 tuition + \$31.00 capital outlay) in addition to the per enrollment fee for non-resident students. Refer residency questions to the Admissions office.

Health Fee: \$16.00 for intersession is charged to all students whether or not they choose to use health services.

Student Representation Fee: \$2.00

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

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

Student Photo Identification Card: is available at the Cashier’s Office, room VL-205B at Santa Ana College, FREE of charge.

A Student Life and Leadership Fee: \$10.00 is payable at Registration for classes at SAC. Payment for 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.

FIRST CLASS MEETING

Make sure you attend the first class meeting!

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

PHOTOGRAPHY:

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

CALENDAR FOR SUMMER 2017 CLASSES






May 17, 2017	Online registration
June 19, 2017	Instruction begins
Refer to section information in WebAdvisor	}	Last day to add a class with instructor's signature or add code
		Last day to drop a class with enrollment fee refund and no "W" grade
		Last day to file Pass/No Pass
		Last day to drop a class with "W" grade
August 13, 2017	Summer Session ends

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

OFF-CAMPUS FIELD TRIPS POLICY

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

NOTES

-  Online Classes. For more information go to www.sac.edu/disted
-  Hybrid Classes. For more information go to www.sac.edu/disted
-  Honors Classes. For more information see prerequisites for that class.
-  Off campus field trips. Read the policy on this page.
-  Open Educational Resources (OER) used in replacement of purchased textbooks (zero-textbook cost).

Class location CJTC-SD: **Orange County Sheriff's Regional Training Academy**
15991 Armstrong Avenue, Tustin.

JPT-CN: **Joint Powers Training Center-Central Net**

SCHEDULE OF CLASSES

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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ACCOUNTING

ACCOUNTING 035, QUICKBOOKS I **2.0 UNITS**

This is an introductory course on using Quickbooks software in the business environment for preparation of accounting information. The course will cover accounting theory and practical knowledge of QuickBooks on topics that include company file setup, customizing QuickBooks, recording customer and vendor transactions, bank reconciliations, creation of accounting reports and customization.

35107	6:00p-10:15p	Th	Staff	SAC A-108	06/22-08/10
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ACCOUNTING 101, FINANCIAL ACCOUNTING **4.0 UNITS**

The study of accounting as an information system, examining why it is important, and how it is used by investors and creditors to make decisions. Coverage includes the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. It also includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics.

35108	8:00a-12:30p	Tu Th	Staff	SAC A-209	06/20-08/10
35109	6:00p-10:15p	M W	Erlandson S	SAC A-209	06/19-08/09

ACCOUNTING 102, MANAGERIAL ACCOUNTING **4.0 UNITS**

Study of the use and reporting of accounting data for managerial planning, cost control, and decision making purposes. The course includes broad coverage of concepts, classifications, and behaviors of costs. Topics include cost systems, the analysis and use of cost information, cost-volume-profit analysis, contribution margin, profit planning, standard costs, relevant costs, and capital budgeting.

Prerequisite: Accounting 101 with a minimum grade of C.

35122	6:00p-10:30p	Tu Th	Phung T	SAC A-209	06/20-08/10
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AMERICAN SIGN LANGUAGE

AMERICAN SIGN LANGUAGE 110, AMERICAN SIGN LANGUAGE I **4.0 UNITS**

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

34903	7:30a-10:30a	M Tu W Th	Yingst S	SAC D-105	06/19-07/27
34904	10:40a-1:40p	M Tu W Th	Moges-Riedel R	SAC D-105	06/19-07/27
34905	1:50p-4:50p	M Tu W Th	Moges-Riedel R	SAC D-105	06/19-07/27

ANTHROPOLOGY

ANTHROPOLOGY 100, INTRODUCTION TO CULTURAL ANTHROPOLOGY **3.0 UNITS**

A cross-cultural survey of the major areas of cultural anthropology including subsistence patterns, economic and political systems, family and kinship, religion, and cultural change. Also includes contemporary issues facing humankind such as the environment, resource depletion, ethnic conflict, globalization, and warfare. Emphasis is on understanding cultural diversity and cultural universals.

34732	8:00a-11:10a	M W	Cundiff W	SAC D-305	06/19-08/09
34733	6:00p-9:20p	Tu Th	Plascencia M	SAC D-201	06/20-08/10

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
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ANTHROPOLOGY 101, INTRODUCTION TO PHYSICAL ANTHROPOLOGY **3.0 UNITS**

An introduction to humankind's place in nature including evolutionary theory, principles of genetics, primate evolution and behavior, fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes practical application of biological anthropology to human problems.

34735	9:00a-12:10p	M W	Robertson M	SAC D-401	06/19-08/09
34736	9:00a-12:20p	Tu Th	Robertson M	SAC D-401	06/20-08/10
34734	6:00p-9:10p	M W	Cundiff W	SAC D-401	06/19-08/09

ANTHROPOLOGY 101L, PHYSICAL ANTHROPOLOGY LABORATORY **1.0 UNIT**

Laboratory exercises and experiments designed to explore and understand the primary areas of physical anthropology: evolutionary theory, principles of genetics, comparative anatomy, physiology, behavior and ecology of vertebrates with an emphasis on nonhuman primates, analysis of fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes both traditional and virtual laboratory experiences.

34740	1:00p-4:20p	Tu Th	Robertson M	SAC D-401	06/20-08/10
34737	1:00p-4:10p	M W	Robertson M	SAC D-401	06/19-08/09


ART

ART 100, INTRODUCTION TO ART CONCEPTS **3.0 UNITS**

A study of the visual arts in relation to both personal and cultural expressions. Fundamentals of visual organization, color theory, terminology, historical art movements and concepts will be studied. Required for art majors.

 35063			Fosmire E	SAC WEB	06/19-08/10
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Section 35063. Available for Online Degree Pathway students. No on-campus meeting times. Students are required to log on to Blackboard on first day of classes: <https://rsccd.blackboard.com>. Instructor has elected to use Open Educational Resources for this class. There is only a \$5.00 material fee. There is no additional textbook cost.

 35033			Redfield M	SAC WEB	06/19-07/27
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Section 35033. No on-campus meeting times. Students are required to log on to Blackboard on the first day of classes: <https://rsccd.blackboard.com>

 35034			Monroe J	SAC WEB	07/17-08/10
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Section 35034. No on-campus meeting times. Students are required to log on to Blackboard on the first day of classes: <https://rsccd.blackboard.com>. Instructor has elected to use Open Educational Resources for this class. There is only a \$5.00 material fee. There is no additional textbook cost.

35030	8:00a-11:20a	Tu Th	Soriano I	SAC C-213	06/20-08/10
35031	9:00a-12:10p	M W	Fosmire E	SAC A-130	06/19-08/09

ART 104, MEXICAN AND CHICANO ART HISTORY **3.0 UNITS**

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

35035	8:00a-11:10a	M W	Soriano I	SAC C-213	06/19-08/09
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CAN'T AFFORD TEXTBOOKS?

Look for the **OER** icon!

It means that the materials used in your class are in the public domain or openly licensed.

Free or low-cost materials used in that course!

ART 110, TWO-DIMENSIONAL DESIGN 3.0 UNITS

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

35036	6:00p-7:20p	M Tu W Th	Cho J	SAC C-208	06/19-07/27
	7:30p-10:20p	M Tu W Th	Cho J	SAC C-208	

ART 130, INTRODUCTION TO DRAWING 3.0 UNITS

Introductory course in expressive drawing exploring line, form, composition, and a variety of media. Drawing from man-made objects and natural forms. Required for art majors.

35037	8:00a-8:50a	M Tu W Th	Lierly M	SAC C-208	06/19-08/10
	9:00a-11:05a	M Tu W Th	Lierly M	SAC C-208	

ART 131, BEGINNING LIFE DRAWING 3.0 UNITS

Introduction to drawing the human form by observing live models for studies in anatomy, structure, and composition. Exposure to traditional and contemporary figurative drawing while exploring media and methods. Required for art majors. Art 130 recommended.

35327	9:00a-10:00a	M Tu W Th	Hower T	SAC C-210	06/19-08/10
	10:10a-12:15p	M Tu W Th	Hower T	SAC C-210	

ART 167, 3D COMMERCIAL APPLICATIONS 3.0 UNITS

Capstone course focusing on developing 3D artwork for specific commercial purposes and formats. Includes field trips and developing a web-based portfolio.

Prerequisite: Art 197A or TV/Video Communications 185 with a minimum grade of C.

Material Fee(s): \$15.00

36908	6:00p-8:05p	M Tu W Th	Waterman P	SAC A-223	06/19-07/27
	8:10p-10:15p	M Tu W Th	Waterman P	SAC A-223	

ART 230, INTERMEDIATE DRAWING 3.0 UNITS

Continued study in drawing with additional opportunities in graphic expression. Further exploration of media including colored pencils, oil pastel, charcoal, and mixed media. Continuation of composition concepts with emphasis on individual expression.

Prerequisite: Art 130 with a minimum grade of C.

35038	8:00a-8:50a	M Tu W Th	Lierly M	SAC C-208	06/19-08/10
	9:00a-11:05a	M Tu W Th	Lierly M	SAC C-208	

ART 233, ADVANCED DRAWING 3.0 UNITS

To further develop individual graphic expression, students will plan a series of drawing problems to be executed during the semester under the instructor's direction. Exploration of new materials and techniques. Field trips to artists' studios and museums.

Prerequisite: Art 230 with a minimum grade of C or portfolio review.

35039	8:00a-8:50a	M Tu W Th	Lierly M	SAC C-208	06/19-08/10
	9:00a-11:05a	M Tu W Th	Lierly M	SAC C-208	

ART 285, INTRODUCTION TO ENAMELING-JEWELRY 2.0 UNITS

An introduction to basic jewelry enameling, including some sawing, filing, and metal forming fabrication with emphasis on color and attention to two dimensional design. Emphasis is on enameling on sheet metal and some cloisonne. Students supply their own enamel and metal.

Material Fee(s): \$25.00

35329	9:00a-10:20a	Tu W Th	Monroe J	SAC C-106	07/18-08/10
	10:30a-2:45p	Tu W Th	Monroe J	SAC C-106	

ASTRONOMY

ASTRONOMY 109, INTRODUCTION TO THE SOLAR SYSTEM 3.0 UNITS

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

35169	9:15a-11:20a	M Tu W Th	Staff	SAC R-126	06/19-07/27
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AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE TECHNOLOGY 002, ESSENTIALS 3.0 UNITS

Intended for automotive majors. Introduction to basic practical applications of technology required for advanced-level courses. Theory, parts nomenclature, and description of systems are emphasized.

36621	8:00a-12:15p	M W	Rudd J	SAC J-115	06/19-07/26
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AUTOMOTIVE TECHNOLOGY 082, AUTOMOTIVE COMPUTER SENSORS 3.0 UNITS

This course covers the function and testing of computerized engine sensors used on modern vehicles. The use of meters and test equipment will be emphasized. Suggested preparation: Automotive Technology 022, 032, or one year trade experience in automotive tune-up.

36622	6:00p-10:35p	Tu Th	Serrano M	SAC J-101	06/20-07/27
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AUTOMOTIVE TECHNOLOGY 084, OBD-II 3.0 UNITS

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

36623	6:00p-10:15p	M W	English N	SAC J-102	06/19-07/26
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FIRST CLASS MEETING

Make sure you attend the first class meeting!

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

BIOLOGY

BIOLOGY 109, FUNDAMENTALS OF BIOLOGY 3.0 UNITS

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

35221			Morris A	SAC WEB	06/19-08/10
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Section 35221 Online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

35189	8:00a-11:20a	M Tu W Th	Jang C	SAC R-128	06/19-07/13
35190	6:00p-9:20p	Tu Th	Chroman L	SAC R-128	06/20-08/10

BIOLOGY 109L, FUNDAMENTALS OF BIOLOGY LABORATORY 1.0 UNIT

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

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

35191	11:30a-2:40p	M W	Dinh-Mahavongtrakul M	SAC R-202	06/19-08/09
35205	11:30a-2:50p	Tu Th	Denmon A	SAC R-202	06/20-08/10
35206	3:00p-6:20p	Tu Th	Staff	SAC R-202	06/20-08/10
35203	6:00p-9:10p	M W	Staff	SAC R-202	06/19-08/09

BIOLOGY 197, STEM INTERNSHIP/WORK EXPERIENCE 1.0 UNIT

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

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

Open Entry / Open Exit

35207	TBA		Jang C	SAC R-207	06/19-08/09
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BIOLOGY 229, GENERAL MICROBIOLOGY 5.0 UNITS

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

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

Material Fee(s): \$20.00

35219	9:30a-11:40a	M Tu W Th	Morales D	SAC I-203	06/19-07/27
	12:00p-4:25p	M Tu W Th	Morales D	SAC R-226	

BIOLOGY 239, GENERAL HUMAN ANATOMY 4.0 UNITS

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

35229	9:00a-11:05a	M Tu W Th	Hampton J	SAC R-124	06/19-07/27
	11:30a-1:35p	M Tu W Th	Hampton J	SAC R-201	
35237	9:00a-11:05a	M Tu W Th	Hampton J	SAC R-124	06/19-07/27
	4:00p-6:05p	M Tu W Th	Staff	SAC R-201	
35238	9:00a-11:05a	M Tu W Th	Hampton J	SAC R-124	06/19-07/27
	6:20p-8:25p	M Tu W Th	Staff	SAC R-201	
35239	9:00a-11:05a	M Tu W Th	Hampton J	SAC R-124	06/19-07/27
	8:30p-10:35p	M Tu W Th	Staff	SAC R-201	
35235	9:00a-11:05a	M Tu W Th	Hampton J	SAC R-124	06/19-07/27
	1:45p-3:50p	M Tu W Th	Staff	SAC R-201	

BIOLOGY 249, HUMAN PHYSIOLOGY 4.0 UNITS

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

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

35240	2:00p-5:00p	M Tu W	Beltran J	SAC R-126	06/19-07/27
	10:30a-1:30p	M Tu W	Beltran J	SAC R-219	
35241	2:00p-5:00p	M Tu W	Beltran J	SAC R-126	06/19-07/27
	5:30p-8:30p	M Tu W	Santos R	SAC R-219	

BUSINESS

BUSINESS 100, FUNDAMENTALS OF BUSINESS 3.0 UNITS

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

35222			Staff	SAC WEB	06/19-08/10
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Section 35222 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Instructor has elected to use Open Educational Resources for this class instead of a textbook. There is no textbook cost.

35223	6:00p-9:10p	M W	Staff	SAC A-207	06/19-08/09
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BUSINESS 101, BUSINESS LAW 3.0 UNITS

Fundamental legal principles pertaining to business transactions. Introduction to the legal process. Topics include sources of law and ethics, contracts, torts, agency, criminal law, business organizations, and judicial and administrative processes.

35214			Manzano F	SAC WEB	06/19-08/10
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Section 35214 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Instructor has elected to use Open Educational Resources for this class. There is no additional textbook cost.

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

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

Open Entry / Open Exit
35224 TBA Negrete T SAC A-107-4 06/19-08/10
Section 35224 mandatory orientation meeting Wed., June 21, 12:00p-12:50p or 6:00p-6:50p in SAC A-108. All other meetings by appointment.

BUSINESS 104, COOPERATIVE WORK EXPERIENCE-GENERAL EDUCATION -GENERAL 1.0 - 2.0 UNITS

Supervised paid or volunteer experience not related to student's major including new or expanded responsibilities. 75 hours of paid work or 60 hours of un-paid work equals one unit. Course may be taken 4 times for a maximum of 16 units of occupational cooperative work experience credit.

Open Entry / Open Exit
35226 TBA Negrete T SAC A-107-4 06/19-08/10
Section 35226 mandatory orientation meeting Wed., June 21, 12:00p-12:50p or 6:00p-6:50p in SAC A-108. All other meetings by appointment.

BUSINESS 105, LEGAL ENVIRONMENT OF BUSINESS 3.0 UNITS

Fundamental legal principles pertaining to business transactions. Introduction to the law as an instrument of social and political control in society. Topics include sources of law and ethics, contracts, torts, agency, judicial and administrative processes, employment law, forms of business organizations, and domestic and international governmental regulations.

35155 Manzano F SAC WEB 06/19-08/10
Section 35155 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rsccd.blackboard.com>. Instructor has elected to use Open Educational Resources for this class. There is no additional textbook cost.

35156 Manzano F SAC WEB 06/19-08/10
Section 35156 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rsccd.blackboard.com>.

35157 9:00a-12:20p Tu Th Robinson K SAC A-205 06/20-08/10
35158 6:00p-9:10p M W Smith K SAC A-205 06/19-08/09

BUSINESS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS 3.0 UNITS

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

35130 Huynh D SAC WEB 06/19-08/10
Section 35130 online instruction plus mandatory online orientation meeting on Mon., 6/19, 6:00p-6:55p, SAC A-213. Students must take final exam on Thurs., 8/10, 6:00p-7:30p, SAC A-213. Students are required to logon to Blackboard on the first day of class: <http://rsccd.blackboard.com>.

BUSINESS 180, FINDING AND EVALUATING PRODUCTS FOR IMPORT 1.0 UNIT

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

35230 6:00p-10:00p M W Grant M SAC A-203 06/19-06/28

BUSINESS 182, CLASSIFYING IMPORTS AND CLEARING U.S. CUSTOMS 1.0 UNIT

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

35228 6:00p-10:00p M W Shweiri G SAC A-203 07/03-07/12

BUSINESS 222, BUSINESS WRITING 3.0 UNITS

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

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

35231 Furlong E SAC WEB 06/19-08/10
Section 35231 online instruction plus mandatory on-campus exams on Thurs. 7/6, 7/20, 8/3 from 7:00p-9:00p in SAC A-108. Students are required to logon to Blackboard on the first day of class: <http://rsccd.blackboard.com>. Instructor has elected to use Open Educational Resources for this class. There is only a \$5.00 materials fee. There is no additional textbook cost.

35234 6:00p-9:10p M W Rodriguez E SAC A-108 06/19-08/09

BUSINESS APPLICATIONS

BUSINESS APPLICATIONS 163, ADOBE ACROBAT 3.0 UNITS

Learn to use Adobe Acrobat Pro software to create, secure, optimize, and distribute interactive PDF documents for print and web. Course covers document review features to add comment and editing notes and electronic signatures used by most departments in an office based on current business standards.

35127 Dumon D SAC WEB 06/19-08/10
Section 35127 online instruction plus orientation meeting Mon., 6/19, 7:00p-7:55p in SAC A-224.

BUSINESS APPLICATIONS 179, INTRODUCTION TO MICROSOFT OFFICE 4.0 UNITS

Learn the basics of the Microsoft Office, suite of applications including Word, Excel, Access and PowerPoint. Acquire skills for creating, formatting, printing and editing business documents.

Software Utilized: MS Office 2016

35123 6:00p-10:30p Tu Th Nguyen M SAC A-224 06/20-08/10

Online Counseling Now Available!
www.sac.edu/online_counseling

CHEMISTRY

CHEMISTRY 109, CHEMISTRY IN THE COMMUNITY 4.0 UNITS

The non-science major will study practical applications of chemistry and the chemical principles behind them including: the scientific method, atomic structure, molecular models, and chemical reactions. Environmental and community issues will be the focus of student centered laboratories, discussions and field trips. Group work and computer activities will be used in this cooperative learning environment.

35067 Jenkins C SAC WEB 06/19-08/10
Section 35067 Available for Online Degree Pathway students. Material Fee: A lab kit will need to be purchased from www.eScienceLabs.com. Instructor has elected to use Open Educational Material for this course. There is no textbook cost.

CHEMISTRY 209, INTRODUCTORY CHEMISTRY 4.0 UNITS

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

Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

35242 9:00a-12:10p M W Staff SAC R-303 06/19-08/10
9:00a-12:20p Tu Th Staff SAC R-301
35243 1:00p-4:20p Tu Th Staff SAC R-303 06/19-08/10
1:00p-4:10p M W Staff SAC R-309
35244 1:00p-4:10p M W Yamada T SAC R-303 06/19-08/10
1:00p-4:20p Tu Th Yamada T SAC R-309
35245 6:00p-9:20p Tu Th Staff SAC R-318 06/19-08/10
6:00p-9:10p M W Staff SAC R-309

CHEMISTRY 210, GENERAL, ORGANIC AND BIOCHEMISTRY 5.0 UNITS

An introduction to the fundamental concepts of general, organic and biochemistry for majors in nursing and other allied health majors. Includes atomic structure, nuclear chemistry, bonding, solutions, acids and bases, organic nomenclature, hydrocarbons, alcohol, aldehydes, ketones, carboxylic acids, carbohydrates, proteins, lipids, nucleic acids and metabolism.

Prerequisite: Chemistry 209 with a minimum grade of C OR passing grade on current chemistry placement exam and Mathematics 080 or Mathematics 081 or Mathematics 083 or Mathematics 084 with a minimum grade of C.

36524 8:30a-11:40a Tu Th Littlejohn S SAC I-206 06/19-08/10
12:00p-1:05p M W Littlejohn S SAC I-206
8:30a-11:40a M W SAC R-301

CHEMISTRY 219, GENERAL CHEMISTRY 5.0 UNITS

Fundamental principles and concepts of chemistry including, but not limited to, atomic structure, quantum theory, periodic properties, stoichiometry, oxidation-reduction, molecular structure and bonding, gas laws, states of matter, solutions, chemical kinetics and chemical equilibrium.

Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 084 with a minimum grade of C and Chemistry 209 with a minimum grade of C or a passing score on current chemistry placement test.

35246 12:00p-1:25p M Tu W Th Nguyen W SAC R-126 06/19-08/10
8:30a-11:45a M Tu W Th Nguyen W SAC R-309

CHEMISTRY 229, GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS 5.0 UNITS

Continuation of Chemistry 219, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.

Prerequisite: Chemistry 219 with a minimum grade of C.

35247 11:00a-12:25p M Tu W Th Mandir J SAC R-318 06/19-08/10
1:00p-4:15p M Tu W Th Mandir J SAC R-301

CHICANO STUDIES

CHICANO STUDIES 101, INTRODUCTION TO CHICANO STUDIES 3.0 UNITS

An interdisciplinary survey of Chicano society from a sociological, economic, political, philosophical, and cultural perspective from pre-Columbian civilizations to contemporary society. This course is designed to present a foundation in Chicano history.

34743 6:00p-9:20p Tu Th Staff SAC I-107 06/20-08/10

CHILD DEVELOPMENT

CHILD DEVELOPMENT 107, CHILD GROWTH AND DEVELOPMENT (DS1) 3.0 UNITS

This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, from conception through adolescence. Using developmental theories and research methodologies, course emphasis will be on typical and atypical development, maturational processes, and environmental factors. Students will also observe children, evaluate individual differences, and analyze characteristics of development at various stages. (No credit if student has taken Psychology 157.)

36499 Valdez S SAC WEB 06/19-08/10
Section 36499 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>

36500 Hardy M SAC WEB 06/19-08/10
Section 36500 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>

36497 Hardy M SAC WEB 06/19-08/10
Section 36497 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>

36503 Valdez S SAC WEB 06/19-08/10
Section 36503 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>

36498 9:00a-12:20p Tu Th Lamourelle C SAC V-150 06/20-08/10
36501 9:00a-12:10p M W Staff SAC V-150 06/19-08/09

CHILD DEVELOPMENT 110, CHILD, FAMILY, AND COMMUNITY (DS2) 3.0 UNITS
This class examines the developing child in a societal context, focusing on the interrelationship of family, school and community, and emphasizes historical and socio-cultural factors. Students will explore socialization processes and identity development that support and empower families by showing the importance of respectful and reciprocal relationships.

H 36614	6:00p-9:00p	W	Lamourelle C Lamourelle C	SAC HYBRID SAC V-151	06/19-08/10
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Section 36614 combines online instruction plus mandatory on-campus meeting on Wed, 06/21, 06/28, 07/05, 07/12, 07/19, 07/26, 08/02, 08/09 from 6:00pm-9:00pm, SAC V-151. Email instructor first day of class (lamourelle_chantal@sac.edu)

O 36504			Funaoka M	SAC WEB	06/19-08/10
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Section 364504 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>

CHILD DEVELOPMENT 200, INTRODUCTION TO TECHNOLOGY IN EARLY CHILDHOOD EDUCATION 3.0 UNITS
This course provides students knowledge about and experience with technological tools used in early childhood settings. Students will have the opportunity to evaluate the impact of technology as it relates to growth and development of children and developmentally appropriate practices. Emphasis will be on basic knowledge and practice in a wide variety of current and emerging technologies and how to integrate them in the learning environment.

OER 36615	1:00p-4:10p	M W	Naman T	SAC T-203-1	06/19-08/09
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Section 36615 - Instructor has elected to use Open Educational Resources for this class. There is no textbook cost.

CHILD DEVELOPMENT 205, INTRODUCTION TO CHILDREN WITH SPECIAL NEEDS 3.0 UNITS
Introduces the variations in development of children with special needs, ages birth through eight, and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process.

36616	6:00p-9:20p	Tu Th	Maertzweiler Laney M	SAC V-150	06/20-08/10
36617	6:00p-9:10p	M W	Maertzweiler Laney M	SAC V-150	06/19-08/09

CHILD DEVELOPMENT 214, CREATIVE ART EXPERIENCES FOR CHILDREN 1.5 UNITS
Emphasizes the child's (ages 2 through 8 years) ability to represent and expressively use art media. Includes theoretical as well as practical application and the role of adult in fostering creativity.

36618	5:00p-10:25p	M	Morgan-Bezell G	SAC V-151	06/19-08/07
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COMMUNICATION STUDIES

COMMUNICATION STUDIES 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION 3.0 UNITS
Introduction to communication theory, listening, perception, language usage, non-verbal communication, and conflict management.

O 34966	6:00p-8:00p	F	Pierce C Pierce C	SAC WEB SAC C-104	06/19-07/27
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Section 34966 Mandatory meeting is Friday, June 23, 2017, 6:00pm - 8:00pm, C-104. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>.

34965	8:00a-12:15p	M W	Nguyen C	SAC I-103	06/19-07/26
34969	9:15a-1:50p	Tu Th	Saterfield K	SAC A-213	06/20-07/27
34970	6:00p-10:35p	Tu Th	Saterfield K	SAC I-103	06/20-07/27
34971	6:00p-10:35p	M Tu Th	Fondren S	SAC C-213	06/19-07/13
34963	6:00p-10:15p	M W	Holder V	SAC C-202	06/19-07/26
34964	6:00p-10:35p	Tu Th	Holder V	SAC C-202	06/20-07/27

COMMUNICATION STUDIES 102, PUBLIC SPEAKING 3.0 UNITS
Teaches critical thinking skills in relation to public speaking. Emphasis on the process, principles, and major facets of critical thinking with practice through oral presentations. Communication Studies 097 recommended for non-native speakers.

34986	8:00a-12:15p	M W	Brown L	SAC C-207	06/19-07/26
34978	8:00a-12:15p	M W	Pierce C	SAC C-214	06/19-07/26
35096	8:00a-12:35p	M Tu W Th F Su	Fondren S	SAC UCI	07/28-08/06

This is a 10 day residential program at UCI. Please apply through the University Transfer Center.

34980	11:30a-2:20p	Tu W Th	Labreau K	SAC C-202	06/20-07/27
34979	6:00p-10:15p	M W	Pierce C	SAC C-214	06/19-07/26
34973	6:00p-10:35p	Tu Th	Lockwood L	SAC C-207	06/20-07/27

COMMUNICATION STUDIES 140, ARGUMENTATION AND DEBATE 3.0 UNITS
Principles of debate techniques with emphasis on methods of logical analysis and reflective thinking. Practical application through adaptation of material to forms of debate on current issues.

34985	8:00a-12:35p	Tu Th	Lockwood L	SAC C-207	06/20-07/27
34984	6:00p-10:15p	M W	Lockwood L	SAC C-207	06/19-07/26

COMMUNICATIONS & MEDIA STUDIES

COMMUNICATIONS & MEDIA STUDIES 298A, DESIGNING FOR PRINT AND DIGITAL MEDIA 3.0 UNITS
A comprehensive course emphasizing professional standards, theory, and techniques in print, digital, and Web-based design. Students use a digital laboratory as a platform for training in design theory, visual organization, color theory, scale, unity, and use of typography. For those interested in design careers.

35331	9:00a-11:05a	M Tu W Th	Little C	SAC C-201	06/19-07/27
	11:15a-1:20p	M Tu W Th	Little C	SAC C-201	

COMMUNICATIONS & MEDIA STUDIES 298B, INTERMEDIATE DESIGNING FOR PRINT AND DIGITAL MEDIA 3.0 UNITS

An intermediate level comprehensive course emphasizing professional standards, theory, and techniques in print, digital, and Web-based design. Students use a digital laboratory as a platform for training in design theory, visual organization, color theory, scale, unity, and use of typography. For those interested in design careers. Completion of CMSD 298A is required.

Prerequisite: Communications & Media Studies 298A with a minimum grade of C or upon approval of instructor.

35332	9:00a-11:05a	M Tu W Th	Little C	SAC C-201	06/19-07/27
	11:15a-1:20p	M Tu W Th	Little C	SAC C-201	

COMPUTER SCIENCE

COMPUTER SCIENCE 100, THE COMPUTER AND SOCIETY 3.0 UNITS
An introduction to the area of computers and their relationship to today's information society. Examines a broad overview of topics including hardware, software, networking, information technology, and the Internet. The student will explore the implication and effect of technology on society, careers, and ethics.

Software Utilized: MS Office 2016

O 35132			Habicht G	SAC WEB	06/19-08/10
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Section 35132 online instruction plus mandatory online orientation meeting Mon., 6/19 6:00p-6:55p, SAC A-215. Students must take final exam on Thurs., 8/10 6:00p-7:30p, SAC A-215. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

35133	6:30p-9:40p	M W	Staff	SAC A-206	06/19-08/09
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COUNSELING

COUNSELING 110, UNIVERSITY TRANSFER RESEARCH 0.5 - 2.0 UNITS
Development and enhancement of decision-making strategies for transfer students. Identification of educational/career goals. Analysis, comparison, and evaluation of university entrance, major, and post-graduate requirements, and student services. On-site research/field study at universities.

35093	8:00a-12:00p	M Tu W Th	Vargas M	FLDTRP	06/12-06/15
	12:30p-4:30p	M Tu W Th	Zook R	FLDTRP	

This is a four-day field trip to Northern California Universities. Please apply through the University Transfer Center.

COUNSELING 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION 3.0 UNITS
This course is designed to assist students in successfully establishing and achieving education, career, and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills, and learning styles. Career and education options are researched, and students are exposed to college resources and support services. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, and career and life plans.

Material Fee(s): \$16.00

O 35098			Staff	SAC WEB	06/19-07/27
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Section 35098: Online instruction with one mandatory orientation: Monday 6/19 6:00pm - 7:00pm room: L-222 or Tuesday 6/21 6:00pm-7:00pm room: L-222 Students are required to log-on to Blackboard on the first day of class, Monday June 19: <https://rscdd.blackboard.com>

35095	8:00a-12:35p	Tu Th	Staff	SAC I-108	06/20-07/27
35100	6:00p-10:15p	M W	Staff	SAC I-101	06/19-07/26

COUNSELING 144, REASONING AND PROBLEM SOLVING 3.0 UNITS
The nature of critical thinking, models and strategies; common fallacies of reasoning, self-regulation in the thinking process; application of critical thinking to complex issues of life. Not open to students who are enrolled or have credit in Philosophy 144.

35101	6:00p-10:35p	Tu Th	Staff	SAC I-108	06/20-07/27
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COUNSELING 150, INTRODUCTION TO HUMAN SERVICES 3.0 UNITS
The history and philosophy of human services including theoretical frameworks, the function and orientation of human service organizations and the roles and qualifications of human service workers. A study of the target populations served by the human services and the professional, ethical, and cultural issues facing the human service field.

35103	6:00p-10:15p	M W	Staff	SAC I-108	06/19-07/26
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CRIMINAL JUSTICE

CRIMINAL JUSTICE 101, INTRODUCTION TO CRIMINAL JUSTICE 3.0 UNITS
A survey of the philosophy and history of criminal justice system (law enforcement, courts, corrections); processes of justice from detection of crime to parole; evaluation of modern criminal justice delivery systems.

36625	8:00a-12:15p	M W	Gonis Jr A	SAC H-207	06/19-07/26
36626	1:00p-5:15p	M W	Gonis Jr A	SAC H-207	06/19-07/26

CRIMINAL JUSTICE ACADEMIES

CRIMINAL JUSTICE ACADEMIES 009B, FITNESS FOR LAW ENFORCEMENT 0.1 - 0.3 UNITS
Training designed specifically for law enforcement and those with an interest in entering a law enforcement basic police academy program.

34739	6:00p-8:00p	Tu Th	Sneddon M	CJTC-SD	06/12-07/11
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if you plan to attend all sessions, enroll in .3 units

CRIMINAL JUSTICE ACADEMIES 010, PRE-EMPLOYMENT PREPARATION FOR LAW ENFORCEMENT 1.0 UNIT
Criminal justice career information will be provided. Emphasis will be on preparing students to successfully complete law enforcement pre-employment testing including oral boards, physical agility, and training academy requirements.

34741	6:00p-10:00p	Tu Th Sa	Staff	CJTC-SD	08/01-08/26
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the class is held at the OC Sheriff's Training Academy, 15991 Armstrong Tustin, CA 92782

CRIMINAL JUSTICE ACADEMIES 026A, TRAINING ACADEMY PREPARATION **0.1 - 0.3 UNITS**
 This course is designed to prepare the student for the Basic Law Enforcement Academy, CJA 100A. It will include drill, ceremony, physical training, reporting, and speeches.
 Open Entry / Open Exit
 34738 7:00a-4:00p Sa Staff CJTC-SD 07/15-07/22
 class is held at the Orange County Sheriff's Regional Training Academy, 15991 Armstrong Ave. Tustin, 92782 if you plan to attend both sessions, enroll in .3 units

DANCE

DANCE 100, DANCE HISTORY AND APPRECIATION **3.0 UNITS**
 The development of dance in Western Europe and the U.S. from ancient times to the present. Explores dance as an emerging art form from the Renaissance to the 21st Century. Emphasizes the contemporary dance heritage of the United States.
 36853 Westergard-Dobson C SAC WEB 06/19-08/10
 Section 36853. No on-campus meeting times. Students are required to log on to Blackboard on the first day of classes: <http://rscdd.blackboard.com>

DIESEL

DIESEL 162, AIR CONDITIONING AND HEATING **3.0 UNITS**
 Operation, testing, and servicing of truck cab air conditioning and heating systems as well as auxiliary power units. Safety, refrigerant recovery, special equipment, controls will be covered. Applied air conditioning theory. EPA 609 certification is a segment of this course. Helps prepare student for T7 ASE certification exam.
 36624 6:00p-10:25p M Tu W Th Lopez Garcia L SAC J-115 06/19-07/27

EARTH SCIENCE

EARTH SCIENCE 110, INTRODUCTION TO EARTH SCIENCE **3.0 UNITS**
 A study of the processes that shape and form the Earth and define its place in the solar system. Introduction to the sciences of geology, oceanography, meteorology, and astronomy. Not open to students who are enrolled, or have credit in Geology 101 or Geography 101.
 35064 Coyne C SAC WEB 06/19-08/10
 OER Section 35064 Available for Online Degree Pathway Students. Online instruction. No on-campus meeting times. Students are required to logon to Blackboard the first day of classes: <http://rscdd.blackboard.com>. Instructor has elected to use Open Educational Resources for this class. There is only a \$5.00 material fee. There is no additional textbook cost.
 35258 6:30p-9:40p M Tu W Th Staff SAC R-111 07/17-08/10

ECONOMICS

ECONOMICS 120, PRINCIPLES/MACRO **3.0 UNITS**
 Introduction to macroeconomics, including basic economic concepts, analysis of markets, national income accounting, employment, short run business cycle fluctuations, long run growth trends, monetary and fiscal policies, and international economic issues. Intended for economics, business, and certain engineering/computer science majors.
 Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.
 34744 8:00a-12:15p M W Montes A SAC D-209 06/19-07/26

ECONOMICS 121, PRINCIPLES/MICRO **3.0 UNITS**
 Introduction to microeconomics, including basic economic concepts, analysis of markets, efficiency, consumer and firm behavior, industry structures, market failure, and resource markets. For economics, business, and certain engineering and computer science majors.
 Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.
 34746 8:00a-12:35p Tu Th Montes A SAC D-209 06/20-07/27
 34745 6:00p-10:15p M W Montes A SAC D-209 06/19-07/26

EDUCATION

EDUCATION 204, PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGIES FOR SECONDARY TEACHERS **3.0 UNITS**
 Students will develop personal proficiency in educational technologies to facilitate the teaching process in a secondary classroom setting. Students will also apply digital literacy skills through the use of presentation, spreadsheet, word processing and publication software, interactive online tools, internet search and retrieval, information literacy, electronic communication and collaboration, and awareness of legal and ethical issues in the digital world.
 36619 Funaoka M SAC WEB 06/19-08/10
 Section 36619 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>

EDUCATION 205, PERSONAL PROFICIENCY IN EDUCATIONAL TECHNOLOGY FOR ELEMENTARY TEACHERS **3.0 UNITS**
 Students will develop personal proficiency in educational technologies to facilitate the teaching process in an elementary classroom setting. Students will also apply digital literacy skills through the use of presentation, spreadsheet, word processing and publication software, interactive online tools, internet search and retrieval, information literacy, electronic communication and collaboration, and awareness of legal and ethical issues in the digital world.
 36620 Funaoka M SAC WEB 06/19-08/10
 Section 36620 is online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rscdd.blackboard.com>

ENGINEERING

ENGINEERING 011, BASIC MECHANICAL BLUEPRINT READING **2.0 UNITS**
 Reading and interpreting blueprints for manufacturing technologies.
 36628 6:00p-8:05p M W Bright T SAC H-205 06/19-08/09

ENGINEERING 100A, INTRODUCTION TO ENGINEERING **2.0 UNITS**
 Introduction to major fields of engineering (including mechanical, electrical, industrial, biomedical, aerospace, and others), the functions of an engineer, and the industries in which engineers work. Explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. Presents an introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics. Develops communication skills pertinent to the engineering profession.
 35215 Staff SAC WEB 06/19-08/10
 Section 35215 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

ENGINEERING 100B, INTRODUCTION TO ARCHITECTURE/CIVIL ENGINEERING /CONSTRUCTION (AEC) **2.0 UNITS**
 Introduction to the Architectural, Civil Engineering, Construction (AEC) fields. Includes an overview of academic programs, career information and preparation requirements, virtual or in person field trips, and guest speakers.
 35216 Staff SAC WEB 06/19-08/10
 Section 35216 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

ENGINEERING 103, SOLIDWORKS BASIC SOLID MODELING **3.0 UNITS**
 Introductory course in parametric solid modeling. This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc.), including the preparation of individual solid components and basic solid model assemblies. Suggested Preparation: Engineering 011.
 36630 6:00p-9:20p Tu Th Buechler M SAC T-203 06/20-08/10

ENGINEERING 183, AUTOCAD I - COMPUTER AIDED DRAFTING **3.0 UNITS**
 A first course in computer drafting using AutoCAD software. Topics include display and file management, units, entities, object selection, advanced editing, layers, dimensions, text, graphic exchange.
Software Utilized: AutoCAD 2014
 35217 Galvez R SAC HYBRID 06/19-08/09
 Galvez R SAC A-225
 Section 35217 online instruction plus mandatory on-campus meetings every Mon. & Wed. 6:00p-10:15p, SAC A-225.

ENGINEERING 184, AUTOCAD II - COMPUTER AIDED DRAFTING **3.0 UNITS**
 Intermediate course in the use of AutoCAD software. Topics include blocks, hatches, attributes, inquiry, and 3-D introduction. Recommended preparation: Engineering 183.
Software Utilized: AutoCAD 2014
 35218 Galvez R SAC HYBRID 06/19-08/09
 Galvez R SAC A-225
 Section 35218 online instruction plus mandatory on-campus meetings every Mon. & Wed. 6:00p-10:15p, SAC A-225.

ENGLISH

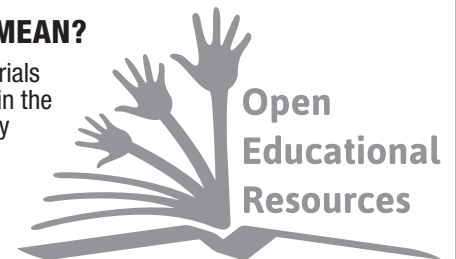
ENGLISH N60, BASICS OF EFFECTIVE WRITING **3.0 UNITS**
 Sentence structure and paragraph writing including reading-based modeling and integrated study skills. Not applicable to associate degree.
 Prerequisite: English N50 with a minimum grade of C or qualifying profile from English placement process.
 34784 8:00a-12:15p M W Acevedo C SAC D-201 06/19-08/09
 34785 6:00p-10:20p Tu Th Staff SAC D-210 06/20-08/10

ENGLISH 061, INTRODUCTION TO COMPOSITION **4.0 UNITS**
 Expository paragraph writing emphasizing various methods including argumentation. Practice in refining sentence skills and grammar.
 Prerequisite: English N60 with a minimum grade of C or qualifying profile from English placement process.
 34752 8:00a-12:30p Tu Th Staff SAC D-102 06/20-08/10
 34754 10:30a-1:20p M Tu W Th Brandon K SAC D-204 06/19-07/27
 34757 12:30p-4:45p M Tu W Th Isbell J SAC D-103 06/19-07/13
 Section 34757 is an Express to Success course. Recommend enrollment first four weeks in section 34768. See the Express to Success program page in the class schedule for more information.
 34751 6:00p-10:15p M W Bootman A SAC D-102 06/19-08/09

WHAT DOES OER MEAN?

It means that the materials used in your class are in the public domain or openly licensed.

Free or low-cost materials used in that course!



ENGLISH 101, FRESHMAN COMPOSITION **4.0 UNITS**

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

Prerequisite: English 061 or English for Multilingual Students 112 or Adult Basic Education 116 with a minimum grade of C or qualifying profile from English placement process.

H 34766	4:30p-6:50p	W	Axtell C	SAC HYBRID	06/19-07/27
			Axtell C	SAC D-109	

Section 34766 requires mandatory on-campus meetings on Wednesdays 6/21, 6/28, 7/12, 7/26 from 4:30-6:50pm in SAC D-109. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>. Email instructor the first week of class. (axtell_christina@sac.edu)

H 34772	3:00p-4:50p	M	Staff	SAC HYBRID	07/03-08/07
			Staff	SAC D-210	

Section 34772 requires mandatory on-campus meetings on Mondays 7/3, 7/24, 8/7 from 3-4:50pm in SAC D-210. Attendance at first class meeting is mandatory. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

H 34944	3:00p-4:50p	M	Ramshaw C	SAC HYBRID	06/19-07/24
			Ramshaw C	SAC I-107	

Section 34944 requires mandatory on-campus meetings on Mondays 6/19, 6/26, 7/10, 7/24 from 3-4:50pm in SAC I-107. Attendance at first class meeting is mandatory. Students are required to log-on to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

34762	7:30a-10:20a	M Tu W Th	Bassett D	SAC D-108	06/19-07/27
34760	8:00a-12:30p	M W	Munoz J	SAC D-107	06/19-08/09
34764	10:30a-1:20p	M Tu W Th	Sosta R	SAC I-201	06/19-07/27
34773	10:30a-1:20p	M Tu W Th	Martinez Guzman D	SAC D-109	06/19-07/27
34768	12:30p-4:45p	M Tu W Th	Isbell J	SAC D-107	07/17-08/10

Section 34768 is an Express to Success course. Recommend enrollment first four weeks in the section 34757. See the Express to Success program page in the class schedule for more information.

34765	1:30p-4:20p	M Tu W Th	Martinez Guzman D	SAC D-109	06/19-07/27
34763	2:00p-4:50p	M Tu W Th	Brandon K	SAC D-304	06/19-07/27
34770	6:00p-10:15p	M Tu W Th	Staff	SAC I-106	07/17-08/10
34761	6:00p-10:20p	Tu Th	Staff	SAC D-108	06/20-08/10

ENGLISH 101H, HONORS FRESHMAN COMPOSITION **4.0 UNITS**

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

Prerequisite: English 061 or English for Multilingual Students 112 or Adult Basic Education 116 or qualifying profile from English placement process AND a high school or college GPA of 3.0 or above.

34774	10:30a-1:20p	M Tu W Th	Bassett D	SAC I-202	06/19-07/27
34775	10:30a-1:20p	M Tu W Th	Rocke B	SAC D-108	06/19-07/27

ENGLISH 102, LITERATURE AND COMPOSITION **4.0 UNITS**

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

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

H 34776	5:00p-6:50p	M	Staff	SAC HYBRID	06/19-08/10
			Staff	SAC D-207	

Section 34776 requires mandatory on-campus meetings on Mondays 7/3, 7/24, 8/7 from 5:00p-6:50p in SAC D-207. Attendance at first class meeting is mandatory. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>

H 36695	5:00p-6:50p	M	Ramshaw C	SAC HYBRID	06/19-07/24
			Ramshaw C	SAC I-107	

Section 36695 requires mandatory on-campus meetings on Mondays 6/19, 6/26, 7/10, 7/24 from 5:00p-6:50p in SAC I-107. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

ENGLISH 103, CRITICAL THINKING AND WRITING **4.0 UNITS**

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

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

H 34781	10:00a-11:50a	M	Beyersdorf M	SAC HYBRID	06/19-07/13
			Beyersdorf M	SAC D-205	

Section 34781 requires mandatory on-campus meetings on Mondays 6/19, 6/26, 7/3 AND Wednesday 7/12 from 10:00-11:50am in SAC D-205. Students are required to log on to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

Email instructor the first week of class (beyersdorf_matthew@sac.edu)

34779	8:00a-3:50p	M Tu W Th F Sa Su	Higgins C	SAC UCI	07/23-07/31
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This section is a 10 day residential program at UCI. Please apply through SAC's University Transfer Center.

34783	10:30a-1:20p	M Tu W Th	Kelley S	SAC D-110	06/19-07/27
34778	4:30p-7:20p	M Tu W Th	Patterson K	SAC D-110	06/19-07/27
34777	6:00p-10:20p	Tu Th	Arnold G	SAC D-109	06/20-08/10

ENGLISH 103H, HONORS CRITICAL THINKING AND WRITING **4.0 UNITS**

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

Prerequisite: English 101 or English 101H with a minimum grade of C and high school or college GPA of 3.0 or above.

34780	8:00a-3:50p	M Tu W Th F Sa Su	Higgins C	SAC UCI	07/23-07/31
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This section is a 10-day residential program at UCI. Please apply through SAC's University Transfer Center.

34947	10:30a-1:20p	M Tu W Th	Patterson K	SAC D-304	06/19-07/27
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ENGLISH FOR MULTILINGUAL STUDENTS

ENGLISH FOR MULTILINGUAL STUDENTS 109, WRITING, GRAMMAR AND READING III **4.0 UNITS**

Paragraph-level writing for multilingual students who speak English but often make grammar mistakes when they write. Narrative, descriptive, and expository paragraph practice. Revision and editing. Complex grammar structures. Critical reading.

Prerequisite: EMLS 107 with a minimum grade of C or qualifying profile from ESL placement process.

34749	9:00a-1:25p	M Tu W Th	Hicks R	SAC I-107	06/19-07/27
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ENGLISH FOR MULTILINGUAL STUDENTS 110, INTRODUCTION TO THE ESSAY **3.0 UNITS**

Introductory writing course for multilingual students who speak English fluently but make multiple grammar errors when writing. This composition course progresses from paragraph to essay, emphasizing basic expository modes, grammar review, critical reading, and revision and editing techniques.

Prerequisite: EMLS 109 with a minimum grade of C or qualifying profile from ESL placement process.

34750	6:00p-8:50p	M Tu W Th	Mowrer M	SAC D-205	06/19-07/27
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FASHION DESIGN MERCHANDISING

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

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

36714	10:00a-12:15p	Tu Th	Benson K	SAC T-201	06/20-07/27
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FASHION DESIGN MERCHANDISING 053, INTRODUCTION TO SEWING **2.0 UNITS**

Basics in sewing; how to use the sewing machine, understanding pattern terms and tools and constructing basic samples, skirts, and shirts.

36711	10:00a-3:25p	Tu Th	Benson K	SAC T-201	06/20-07/27
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FASHION DESIGN MERCHANDISING 055, CHILDREN'S CLOTHING **2.0 UNITS**

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

36712	10:00a-2:30p	Tu Th	Benson K	SAC T-201	06/20-07/27
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FASHION DESIGN MERCHANDISING 104, TEXTILE FIBERS AND FABRICS **3.0 UNITS**

A study of textile fibers and fabrics, their selection, identification, use and care for wearing apparel and home furnishings.

36716			Benson K	SAC WEB	06/20-07/25
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Section 36716 is online instruction with no on-campus meeting dates. Students are required to log on to Blackboard on the first day of classes: <http://rscdd.blackboard.com>. Email instructor first day of class (benson_kyla@sac.edu).

FASHION DESIGN MERCHANDISING 105A, BEGINNING SEWING **3.0 UNITS**

Construction techniques for beginners with emphasis on learning how to use the sewing machine and reading a pattern. Students will construct a skirt, shirt, lined garment, and a compilation of construction techniques. Students will learn basic sewing techniques, how to select fabrics, and how to conduct fittings.

H 36707	10:00a-2:50p	Tu Th	Benson K	SAC HYBRID	06/20-07/27
			Benson K	SAC T-201	

FASHION DESIGN MERCHANDISING 299, COOPERATIVE WORK EXPERIENCE EDUCATION **1.0 - 4.0 UNITS**

Supervised fashion field experience with new tasks in major. Students can earn 1 unit of credit for 60 hours worked up to 240 hours for 4 units.

Prerequisite: 12 units of Fashion Design Merchandising courses completed.

36717	3:30p-4:35p	Tu	Benson K	SAC T-201	06/20-07/25
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FIRE TECHNOLOGY

FIRE TECHNOLOGY 101, FIRE PROTECTION ORGANIZATION **3.0 UNITS**

This course provides an overview to fire protection and emergency services including: career opportunities in fire protection and related fields, culture and history of emergency services, fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, introduction to fire strategy and tactics, and an overview of the life safety initiatives.

36939	8:00a-12:35p	Tu Th	Freeman S	SAC W-101	06/20-07/27
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GEOGRAPHY

GEOGRAPHY 100, WORLD REGIONAL GEOGRAPHY **3.0 UNITS**

The study of major world political and natural regions. Course study includes location of the regions on earth, the physical and cultural elements that lend the regions their identities, and ways in which these elements relate to the regions' inhabitants and economies.

37483			Conley J	SAC WEB	06/19-07/27
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Section 37483 online instruction. No on-campus meeting time. Students are required to log-on to Blackboard on the first day of class: <http://rscdd.blackboard.com>.

GEOGRAPHY 101, PHYSICAL GEOGRAPHY **3.0 UNITS**

Introduction to the physical elements of geography: maps, earth/sun relationships, meteorology and climatology, natural vegetation, soils, and geomorphology.

34787	9:00a-1:35p	Tu Th	Ulloa K	SAC D-202	06/20-07/27
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GEOLOGY

GEOLOGY 101, INTRODUCTION TO GEOLOGY 3.0 UNITS					
<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>					
35259	8:00a-11:20a	M Tu W Th	Staff	SAC R-111	06/19-07/13

HISTORY

HISTORY 101, WORLD CIVILIZATIONS TO THE 16TH CENTURY 3.0 UNITS					
<i>Examines the development of world civilizations and their interrelationships from the earliest beginnings to the sixteenth century. Emphasis on basic ideas, institutions, personalities, religious traditions, and artistic achievements.</i>					
34788	1:00p-5:15p	M W	Hacholski M	SAC D-205	06/19-07/26

HISTORY 102, WORLD CIVILIZATIONS SINCE THE 16TH CENTURY 3.0 UNITS					
<i>Broad historical study of world civilizations and their interrelationships from the 16th century to the present. Ideas, institutions, personalities, and artistic achievements which have contributed to present-day society.</i>					
34789	12:30p-3:50p	Tu Th	Hacholski M	SAC D-210	06/20-08/10

HISTORY 120, THE UNITED STATES TO 1865 3.0 UNITS					
<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>					
34790	8:00a-12:15p	M W	Robertson-Estrada K	SAC D-213	06/19-07/26
34791	8:00a-12:35p	Tu Th	Robertson-Estrada K	SAC I-109	06/20-07/27


HISTORY 121, THE UNITED STATES SINCE 1865 3.0 UNITS					
<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>					
34792	8:00a-12:35p	Tu Th	Esquivel E	SAC D-205	06/20-07/27
34793	6:00p-10:25p	Tu Th	Deluna D	SAC I-109	06/20-07/27
Your instructor has elected to use Open Educational Resources for this class. There is only a \$5 materials fee. There is no additional textbook cost.					


HISTORY 124, MEXICAN AMERICAN HISTORY IN THE UNITED STATES 3.0 UNITS					
<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>					
34826	8:00a-11:10a	M Tu W Th	Veyna A	SAC D-103	07/10-08/03
34827	6:00p-9:10p	M Tu W Th	Veyna A	SAC D-103	07/10-08/03
34829	6:00p-10:35p	Tu Th	Lewis J	SAC D-305	06/20-07/27

HISTORY 127, WOMEN IN U.S. HISTORY 3.0 UNITS					
<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>					
34831	8:00a-12:35p	Tu Th	Stanfield A	SAC D-201	06/20-07/27

KINESIOLOGY ACTIVITIES

KINESIOLOGY ACTIVITIES 123, PERSONAL FITNESS TRAINING 1.0 UNIT					
<i>Activity course designed to assist students in mastering effective lifestyles, and nutritional, cardiovascular, and resistance training techniques crucial for personal fitness and personal growth. Goal setting and motivation, time management, stress management, as well as development of an individual fitness routine and execution of that routine are the primary topics.</i>					

	36608	Jones G	SAC WEB	06/19-08/10	
OER	Section 36608 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rscdd.blackboard.com . Instructor has elected to use Open Educational Resources for this class. There is only a \$5.00 material fee. There is no additional textbook cost.				

	36609	Jones G	SAC WEB	06/19-08/10	
OER	Section 36609 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rscdd.blackboard.com . Instructor has elected to use Open Educational Resources for this class. There is only a \$5.00 material fee. There is no additional textbook cost.				

KINESIOLOGY ACTIVITIES 169A, BEGINNING WRESTLING 1.0 UNIT					
<i>Fundamentals of wrestling skills and techniques. Take-downs, escape, analysis of opponents strengths and weaknesses will be considered. Student will master rules, regulations, and ethics of the activity.</i>					
36596	7:00p-10:00p	M Tu Th	Silva V	SAC W-111	06/26-08/03

KINESIOLOGY ACTIVITIES 170A, BEGINNING YOGA 1.0 UNIT					
<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>					
35970	1:00p-3:05p	M Tu W Th	Anderson R	SAC W-107	06/19-07/27

KINESIOLOGY ACTIVITIES 200A, BEGINNING INTRAMURAL-BASKETBALL 1.0 UNIT					
<i>This class is designed to introduce/better acquaint students to the game of basketball. Emphasis is placed on rules, techniques, safety, and improving performance.</i>					
36528	4:50p-6:55p	M W	Luppiani M	SAC G-105	06/26-08/03
	2:45p-4:50p	Tu Th	Luppiani M	SAC G-105	

KINESIOLOGY ACTIVITIES 200B, INTERMEDIATE INTRAMURAL SPORTS- BASKETBALL 1.0 UNIT					
<i>This class is designed to provide students with an opportunity to participate and compete against classmates in the sport of basketball. Instruction focuses on improving performance in all aspects of the game of basketball: defense, offense, strategies, and special situations.</i>					
Prerequisite: Kinesiology Activities 200A with a minimum grade of C.					
36529	4:50p-6:55p	M W	Luppiani M	SAC G-105	06/26-08/03
	2:45p-4:50p	Tu Th	Luppiani M	SAC G-105	

KINESIOLOGY ACTIVITIES 200C, ADVANCED INTRAMURAL BASKETBALL 1.0 UNIT					
<i>This class is designed to provide students with an opportunity to participate and compete against classmates in the sport of basketball. Instruction focuses on improving performance in all aspects of the game of basketball: advanced defense, advanced offense, advanced strategies, and special situations associated with the game of basketball.</i>					
Prerequisite: Kinesiology Activities 200B with a minimum grade of C.					
36530	4:50p-6:55p	M W	Luppiani M	SAC G-105	06/26-08/03
	2:45p-4:50p	Tu Th	Luppiani M	SAC G-105	

KINESIOLOGY ACTIVITIES 211A, BEGINNING BASEBALL 1.0 UNIT					
<i>Beginning fundamentals of fielding, throwing and hitting. Includes play situations with an emphasis on team offensive and defensive strategy.</i>					
36534	2:45p-7:00p	M W	Popovich D	SAC Baseball Fld	07/03-08/10

KINESIOLOGY ACTIVITIES 211B, INTERMEDIATE BASEBALL 1.0 UNIT					
<i>Intermediate fundamentals designed to help prepare the student for baseball competition. Students will learn offensive skills, defensive skills, and communication under competitive game conditions.</i>					
Prerequisite: Kinesiology Activities 211A with a minimum grade of C.					
36535	2:45p-7:00p	M W	Popovich D	SAC Baseball Fld	07/03-08/10

KINESIOLOGY ACTIVITIES 220A, BEGINNING BASKETBALL 1.0 UNIT					
<i>Co-educational team sport activity which provides basic skills and techniques are refined at the beginner level. Rules, game strategies, and competitive activities are included.</i>					
35977	2:45p-4:55p	M W	Breig D	SAC G-105	06/19-07/26
	5:00p-8:55p	Tu	Breig D	SAC G-105	

KINESIOLOGY ACTIVITIES 220B, INTERMEDIATE BASKETBALL 1.0 UNIT					
<i>Co-educational team sport activity which provides intermediate instruction in the techniques, tactics and strategies associated with competitive basketball. Special emphasis placed on individual drills and skills such as catching, dribbling, passing, shooting, offensive and defensive strategies are utilized as well as competitive play situations.</i>					
Prerequisite: Kinesiology Activities 220A with a minimum grade of C.					
35978	2:45p-4:55p	M W	Breig D	SAC G-105	06/19-07/26
	5:00p-8:55p	Tu	Breig D	SAC G-105	

KINESIOLOGY ACTIVITIES 220C, ADVANCED BASKETBALL 1.0 UNIT					
<i>Co-educational team sport activity for students with advanced skills. Review of basic fundamental skills and emphasis on advanced development of skills and strategies associated with competitive basketball.</i>					
Prerequisite: Kinesiology Activities 220B with a minimum grade of C.					
35979	2:45p-4:55p	M W	Breig D	SAC G-105	06/19-07/26
	5:00p-8:55p	Tu	Breig D	SAC G-105	

KINESIOLOGY ACTIVITIES 226A, BEGINNING WATER POLO 1.0 UNIT					
<i>Instruction and experience in the fundamentals and strategies of water polo.</i>					
36585	5:45a-7:50a	M Tu W Th	Reyes A	SAC G-121	06/26-08/03

KINESIOLOGY ACTIVITIES 260A, BEGINNING SOCCER 1.0 UNIT					
<i>This course is designed to introduce/better acquaint students to the game of outdoor soccer. Emphasis is placed on rules, techniques, safety, and improving performance.</i>					
36601	11:30a-1:20p	M Tu W Th	Vasquez J	SAC Soccer Fld	06/26-08/10
35805	2:00p-4:05p	M Tu W Th	Baquero J	SAC Soccer Fld	07/03-08/10

KINESIOLOGY ACTIVITIES 260B, INTERMEDIATE SOCCER 1.0 UNIT					
<i>This course is designed to review and solidify techniques and tactics associated with the game of outdoor soccer. Instruction focuses on improving performance in all aspects of the game: defense, midfield, attack, and special situations.</i>					
36605	11:30a-1:20p	M Tu W Th	Vasquez J	SAC Soccer Fld	06/26-08/10
35971	2:00p-4:05p	M Tu W Th	Baquero J	SAC Soccer Fld	07/03-08/10

KINESIOLOGY ACTIVITIES 290A, BEGINNING VOLLEYBALL 1.0 UNIT					
<i>Instruction and practice in fundamental skills techniques, strategies, basic rules, team offense and defense, and team concepts of Volleyball.</i>					
35796	7:05p-9:10p	M W	Abbey T	SAC G-105	06/19-08/10
	6:05p-8:10p	Th	Abbey T	SAC G-105	

KINESIOLOGY ACTIVITIES 290B, INTERMEDIATE VOLLEYBALL 1.0 UNIT					
<i>An intermediate volleyball activities course. Emphasis will be placed on intermediate technical skill development, offensive and defensive systems analysis, and sport specific physical fitness assessment and conditioning activities.</i>					
35800	7:05p-9:10p	M W	Abbey T	SAC G-105	06/19-08/10
	6:05p-8:10p	Th	Abbey T	SAC G-105	

KINESIOLOGY AEROBIC FITNESS

KINESIOLOGY AEROBIC FITNESS 156A, BEGINNING CARDIO KICKBOXING 1.0 UNIT					
<i>A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. Kicks, punches, calisthenics, and rope jumping are combined to elevate heart rate and strengthen all major muscle groups. Students will learn to apply these self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles.</i>					
36522	6:00p-8:05p	M Tu W Th	Howell A	SAC W-107	06/19-07/27

KINESIOLOGY AEROBIC FITNESS 156B, INTERMEDIATE CARDIO KICKBOXING 1.0 UNIT					
<i>A series of boxing and kickboxing exercises are arranged to music, gradually increasing in tempo with a greater emphasis on a non-stop 25-30 minute program. This class is designed to increase competence in kicking and punching, calisthenics, and rope jumping in various combinations to improve fitness. Students will further develop intermediate level self-defense techniques on kick pads and focus mitts to improve accuracy and provide resistance for the muscles.</i>					
Prerequisite: Kinesiology Aerobic Fitness 156A with a minimum grade of C					
36523	6:00p-8:05p	M Tu W Th	Howell A	SAC W-107	06/19-07/27

KINESIOLOGY AQUATICS

KINESIOLOGY AQUATICS 201A, BEGINNING SWIMMING 1.0 UNIT					
<i>Instruction and experience in the basic stroke techniques and safety procedures of swimming.</i>					
36532	12:30p-2:35p	M Tu W Th	Nilles T	SAC Pool	06/19-07/27
KINESIOLOGY AQUATICS 201B, LAP SWIMMING 1.0 UNIT					
<i>Individualized swimming program designed to improve swimming techniques and cardiovascular fitness. Emphasis on endurance training.</i>					
36533	12:30p-2:35p	M Tu W Th	Nilles T	SAC Pool	06/19-07/27

KINESIOLOGY FITNESS

KINESIOLOGY FITNESS 112A, BEGINNING CIRCUIT TRAINING 1.0 UNIT					
<i>An introduction to fundamental principles and practices of circuit training including: safety, using cardiovascular and resistance machines, and components of exercise. This course provides the basics of a comprehensive exercise program that combines cardiovascular exercises with strength training.</i>					
36540	10:00a-11:25a	M Tu W Th	Nutter K	SAC E-102	06/19-08/10
36022	1:15p-2:40p	M Tu W Th	Breig D	SAC E-102	06/19-08/10
36519	5:35p-7:00p	M Tu W Th	Staff	SAC E-102	06/19-08/10
KINESIOLOGY FITNESS 112B, INTERMEDIATE CIRCUIT TRAINING 1.0 UNIT					
<i>A continuation of exercise principles and practices of circuit training covered in Beginning Circuit Training. This course is designed to help students increase cardiovascular conditioning using a combination of resistive strength exercises and endurance training. Must complete Beginning Circuit Training prior to enrollment.</i>					
Prerequisite: Kinesiology Fitness 112A with a minimum grade of C/P or Kinesiology Fitness 110A with a minimum grade of P.					
36541	10:00a-11:25a	M Tu W Th	Nutter K	SAC E-102	06/19-08/10
36023	1:15p-2:40p	M Tu W Th	Breig D	SAC E-102	06/19-08/10
36520	5:35p-7:00p	M Tu W Th	Staff	SAC E-102	06/19-08/10
KINESIOLOGY FITNESS 112C, ADVANCED CIRCUIT TRAINING 1.0 UNIT					
<i>An individualized fitness program developed to promote lifetime fitness. Employs a combination of cardiovascular machines (treadmill, steppers, bicycles, elliptical, rower, etc.), and resistance machines. This course is designed as a continuation of Intermediate Circuit Training and promotes increased cardiovascular and muscular endurance. Educates students on the principles of nutrition and the body's adaptation to exercise.</i>					
Prerequisite: Kinesiology Fitness 112B with a minimum grade of C/P or Kinesiology Fitness 110B with a minimum grade of P.					
36542	10:00a-11:25a	M Tu W Th	Nutter K	SAC E-102	06/19-08/10
36024	1:15p-2:40p	M Tu W Th	Breig D	SAC E-102	06/19-08/10
36521	5:35p-7:00p	M Tu W Th	Staff	SAC E-102	06/19-08/10

KINESIOLOGY HEALTH EDUCATION

KINESIOLOGY HEALTH EDUCATION 101, HEALTHFUL LIVING 3.0 UNITS					
<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>					
35974			Breig D	SAC WEB	06/19-07/27
Section 35974 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
35975			Breig D	SAC WEB	06/19-08/10
Section 35975 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
36687			Nyssen A	SAC WEB	06/19-07/27
Section 36687 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
36688			Nyssen A	SAC WEB	06/19-07/13
Section 36688 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
KINESIOLOGY HEALTH EDUCATION 102, WOMEN'S HEALTH ISSUES 3.0 UNITS					
<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>					
36537			Nutter K	SAC WEB	06/19-07/13
Section 36537 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
36538			Nutter K	SAC WEB	07/17-08/10
Section 26538 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
KINESIOLOGY HEALTH EDUCATION 104, NUTRITION AND FITNESS 2.0 UNITS					
<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>					
35801			Abbey T	SAC WEB	06/19-08/10
Section 35801 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
35802			Abbey T	SAC WEB	07/17-08/10
Section 35802 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					

KINESIOLOGY INTERCOLLEGIATE ATHLETICS

KINESIOLOGY INTERCOLLEGIATE ATHLETICS 128, CONDITIONING FOR ATHLETES 0.5 UNIT					
<i>An exercise program designed for athletes who participate in intercollegiate sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.</i>					
35804	8:00a-9:15a	M Tu W Th	Baquero J	SAC G-103	07/03-08/10
KINESIOLOGY INTERCOLLEGIATE ATHLETICS 128, CONDITIONING FOR ATHLETES 1.0 UNIT					
<i>An exercise program designed for athletes who participate in intercollegiate sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.</i>					
36607	9:00a-10:50a	M Tu W Th	Vasquez J	SAC Soccer Fld	06/26-08/10
KINESIOLOGY INTERCOLLEGIATE ATHLETICS 128, CONDITIONING FOR ATHLETES 0.5 UNIT					
<i>An exercise program designed for athletes who participate in intercollegiate sports. Emphasis will be on the development of speed, endurance, flexibility, and strength.</i>					
36518	9:45a-11:00a	Tu W Th	Grahman A	SAC G-103	06/20-08/10
KINESIOLOGY INTERCOLLEGIATE ATHLETICS 231, FOOTBALL CAMP 1.0 UNIT					
<i>This is an intensive course designed to prepare student athlete for a season of competition in intercollegiate football. It will include field work, classroom meeting time, and resistance training. The focus is skill development and preparation for a season of competition. It is included in the 175 hours allotted to football for offseason development.</i>					
36689	4:15p-4:50p	M Tu W Th	Nyssen A	SAC G-103	06/26-07/27
	4:50p-6:25p	M Tu W Th	Nyssen A	SAC G-103	
KINESIOLOGY INTERCOLLEGIATE ATHLETICS 281, TRACK AND FIELD - OFF SEASON 1.0 UNIT					
<i>This course is designed to provide skills development and conditioning for intercollegiate track and field athletes. Students learn the principles of team building while preparing for individual event specific activities. The focus will be on improving event specific technical skills, training methods, and mental set for competitive performance in track and field.</i>					
36531	7:30a-9:35a	M Tu W Th	Mitzel M	SAC Track	06/26-08/03

KINESIOLOGY PROFESSIONAL

KINESIOLOGY PROFESSIONAL 101, INTRODUCTION TO KINESIOLOGY 3.0 UNITS					
<i>This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions.</i>					
36544			Sos B	SAC WEB	06/19-07/27
Section 36544 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
KINESIOLOGY PROFESSIONAL 125, SPORT PSYCHOLOGY 3.0 UNITS					
<i>An academic and practical examination of the psychological aspects of sport concentrating on the scientifically proven methods of enhancing athletic performance through psychological training.</i>					
36526			Luppani M	SAC WEB	07/03-08/10
Section 36526 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
KINESIOLOGY PROFESSIONAL 170, SPORT ETHICS 3.0 UNITS					
<i>A class designed to examine ethics, moral questions, and value judgements related to sport. Its approach allows students to follow and analyze ethical arguments, think through philosophical issues, and apply them to the artistic expression of sport as well as everyday life.</i>					
36527			Luppani M	SAC WEB	07/03-08/10
Section 36527 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					
36525			Luppani M	SAC WEB	06/19-08/10
Section 36525 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: http://rsccd.blackboard.com .					

MANAGEMENT

MANAGEMENT 122, BUSINESS COMMUNICATIONS 3.0 UNITS					
<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. Suggested preparation: English 061 or English for Multi-lingual Students 112 or American College English 116.</i>					
35236	6:00p-9:10p	M W	Rodriguez E	SAC A-108	06/19-08/09

MANUFACTURING TECHNOLOGY

MANUFACTURING TECHNOLOGY 011, BASIC MECHANICAL BLUEPRINT READING 2.0 UNITS					
<i>Reading and interpreting blueprints for manufacturing technologies.</i>					
36627	6:00p-8:10p	M W	Bright T	SAC H-205	06/19-08/09
MANUFACTURING TECHNOLOGY 073, MASTERCAM - 2D GEOMETRY, 2D TOOLPATHS 3.0 UNITS					
<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>					
36631	6:00p-9:10p	M W	Singh N	SAC T-203-1	06/19-08/09

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
MANUFACTURING TECHNOLOGY 075, MASTERCAM - 3D GEOMETRY, 3D SURFACES 3.0 UNITS					
<i>Continued instruction of computer assisted numerical control programming. Advanced concepts and methods of creating 3D geometry and 3D surfaces using Mastercam 3D software.</i>					
Prerequisite: Manufacturing Technology 073 with a minimum grade of C.					
36632	6:00p-9:20p	Tu Th	Singh N	SAC T-203-1	06/20-08/10
MANUFACTURING TECHNOLOGY 078, MASTERCAM LATHE 3.0 UNITS					
<i>Computer assisted numerical control programming of machine tools using MASTERCAM lathe software. Emphasis placed on lathe toolpaths: facing, turning, grooving, boring, and threading.</i>					
Prerequisite: Manufacturing Technology 071, 073, and 076 with a minimum grade of C.					
36633	4:30p-5:55p	M Tu W Th	Singh N	SAC T-203-1	06/19-08/10
MANUFACTURING TECHNOLOGY 103, SOLIDWORKS BASIC SOLID MODELING 3.0 UNITS					
<i>Introductory course in parametric solid modeling. This course will include a solid modeling overview, solid model construction techniques (extrude, revolve, fillet, chamfer, etc), including the preparation of individual solid components and basic solid model assemblies. Suggested preparation: MNFG 011.</i>					
36629	6:00p-9:20p	Tu Th	Buechler M	SAC T-203	06/20-08/10
MANUFACTURING TECHNOLOGY 114, GEOMETRIC DIMENSIONING AND TOLERANCING 3.0 UNITS					
<i>Drawing interpretation utilizing geometric dimensioning and tolerancing (ANSI Y14.5) as applied in engineering, manufacturing, and inspection.</i>					
36634	7:00p-10:20p	Tu W	Corley G	SAC H-207	06/20-08/09

MATHEMATICS

MATHEMATICS N06, ESSENTIAL MATHEMATICS 4.0 UNITS					
<i>Reviews whole numbers, fractions, decimals, percents, geometric formulas and signed numbers. Not applicable to associate degree.</i>					
Prerequisite: Must obtain a score of 11 or higher on the Level 1 Mathematics Placement Test. Must obtain a score of 11 or higher on the Level 1 Math Placement Test.					
35302	8:00a-10:50a	M Tu W Th	Rogers N	SAC L-207	06/19-07/27
MATHEMATICS N48, PRE-ALGEBRA/ALGEBRA BASICS 4.0 UNITS					
<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. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to associate degree.</i>					
Prerequisite: Mathematics N05C with a minimum grade of P or Mathematics N06 with a minimum grade of C or placement into Mathematics N48 on the Math Level 1 Exam and a course equivalent to Mathematics N05 or N06.					
35303	7:30a-10:20a	M Tu W Th	Nguyen D	SAC R-113	06/19-07/27
35307	10:45a-1:35p	M Tu W Th	Lechuga J	SAC R-113	06/19-07/27
35308	7:00p-9:50p	M Tu W Th	Margo J	SAC R-113	06/19-07/27
MATHEMATICS 083, BEGINNING AND INTERMEDIATE ALGEBRA FOR LIBERAL ARTS AND SOCIAL SCIENCE 6.0 UNITS					
<i>A combined course in algebra that includes systems of equations, inequalities, graphs and functions, radicals, quadratic polynomials, rational expressions, exponential and logarithmic functions, and problem solving aimed specifically at liberal arts and social science majors.</i>					
Prerequisite: Mathematics N48 with a minimum grade of C; or a sufficient score on the Mathematics Level 2 Placement Exam and a course equivalent to Mathematics N48 or 060.					
35438			Everett M	SAC WEB	06/19-07/27
Section 35438 MANDATORY on-campus exam dates are Thurs, 7/6/17 and 7/27/17, 6:00p-8:00p, SAC R-114. Students are required to logon to Blackboard on the first day of class http://rscdd.blackboard.com .					
35260	8:00a-12:25p	M Tu W Th	Everett M	SAC H-107	06/19-07/27
35264	11:15a-3:40p	M Tu W Th	Romero M	SAC H-109	06/19-07/27
35265	5:30p-9:55p	M Tu W Th	Corp R	SAC H-107	06/19-07/27
MATHEMATICS 084, BEGINNING AND INTERMEDIATE ALGEBRA 6.0 UNITS					
<i>A combined course in algebra that includes systems of equations; inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, and problem solving.</i>					
Prerequisite: Mathematics N48 with a minimum grade of C; or a sufficient score on the Mathematics Level 2 Placement Exam and a course equivalent to Mathematics N48 or 060.					
35269			Solheid C	SAC WEB	06/19-07/27
Section 35269 MANDATORY on-campus exam dates are Thurs, 7/6/17 and 7/27/17, 6:00p-8:00p, SAC L-207. Students are required to logon to Blackboard on the first day of class http://rscdd.blackboard.com .					
35266	8:00a-12:25p	M Tu W Th	Mishal A	SAC H-105	06/19-07/27
35267	5:30p-9:55p	M Tu W Th	Maiah A	SAC R-119	06/19-07/27
MATHEMATICS 105, MATHEMATICS FOR LIBERAL ARTS STUDENTS 3.0 UNITS					
<i>An overview of mathematics for the liberal arts student. Topics will include problem solving, financial management, probability, statistics, and selected other topics such as set theory, geometry, logic, mathematical modeling, and the history of mathematics.</i>					
Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 083 with a minimum grade of C or equivalent skills as measured by the Math Level 3 Exam and a course equivalent to Mathematics 080 or Mathematics 081.					
35271	5:30p-7:35p	M Tu W Th	Phan H	SAC H-104	06/19-07/27

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
MATHEMATICS 140, COLLEGE ALGEBRA 4.0 UNITS					
<i>Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series.</i>					
Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 084 with a minimum grade of C or better or equivalent skills as measured by the Mathematics Level 3 Exam and a course equivalent to Mathematics 080 or Mathematics 081.					
35273			Vu D	SAC WEB	06/19-07/27
OER	Section 35273 MANDATORY on-campus exam dates are Thurs, 7/6/17 and 7/27/17, 6:00p-8:00p, SAC R-124. Students are required to logon to Blackboard on the first day of class http://rscdd.blackboard.com . Instructor has elected to use Open Educational Resources for this class. There is only a \$5.00 material fee. There is no additional textbook cost.				
35272	7:30a-10:20a	M Tu W Th	Le S	SAC R-114	06/19-07/27
MATHEMATICS 150, CALCULUS FOR BIOLOGICAL, MANAGEMENT AND SOCIAL SCIENCES 4.0 UNITS					
<i>Single and multi-variable calculus including limits, derivatives, integrals, exponentials, and logarithmic functions and partial derivatives. Applications are drawn from biology, social science, and business.</i>					
Prerequisite: Mathematics 140 or Mathematics 145 with a minimum grade of C; or placement into Mathematics 150 on the Mathematics Level 3 Placement Exam and a course equivalent to Mathematics 140.					
35277	6:30p-10:05p	M Tu W Th	Bui M	SAC H-109	06/19-07/27
MATHEMATICS 160, TRIGONOMETRY 4.0 UNITS					
<i>Angles and their measurement, trigonometry functions and their applications, including vector problems. Use of trigonometric identities. Graphing the basic functions and variations, solving trigonometric equations. Graphing using polar coordinates, and use of complex numbers.</i>					
Prerequisite: Mathematics 070 and Mathematics 080 or Mathematics 081 or Mathematics 084 with a minimum grade of C; or placement in Mathematics 160 with the Mathematics Level 3 Exam and courses equivalent to Mathematics 070 and Mathematics 080 or Mathematics 081 or Mathematics 084.					
35286	7:30a-10:25a	M Tu W Th	Hager B	SAC I-201	06/19-07/27
35278	1:30p-4:20p	M Tu W Th	Staff	SAC H-105	06/19-07/27
MATHEMATICS 170, PRE-CALCULUS MATHEMATICS 4.0 UNITS					
<i>Advanced algebraic topics. Study of rational, trigonometric, exponential and logarithmic functions, and analytic geometry. Preparation for Mathematics 180.</i>					
Prerequisite: Mathematics 160 with a minimum grade of C or equivalent skills as measured by the Math Level 4 Exam and a course equivalent to Mathematics 160.					
35288	11:15a-2:50p	M Tu W Th	Lui R	SAC H-104	06/19-07/27
35289	6:30p-10:05p	M Tu W Th	Tran A	SAC I-203	06/19-07/27
MATHEMATICS 180, ANALYTIC GEOMETRY AND CALCULUS 4.0 UNITS					
<i>Limits and continuity, derivatives and integrals of algebraic, trigonometric, and other transcendental functions. Applications including extrema tests, related rates, and areas.</i>					
Prerequisite: Mathematics 170 or Mathematics 167 with a minimum grade of C; or equivalent skills as measured by the Math Level 4 Exam and a course equivalent to Mathematics 170.					
35290	11:15a-2:50p	M Tu W Th	He L	SAC I-204	06/19-07/27
35291	6:30p-10:05p	M Tu W Th	Camacho O	SAC I-204	06/19-07/27
MATHEMATICS 185, ANALYTIC GEOMETRY AND CALCULUS 4.0 UNITS					
<i>Applications of integrals, including volumes, work, arc length, and surface area. Integration techniques, differential equations, conics, parametric equations, polar coordinates, improper integrals, sequences, and infinite series.</i>					
Prerequisite: Mathematics 180/180H with a minimum grade of C.					
35292	7:30a-11:05a	M Tu W Th	Ro K	SAC I-204	06/19-07/27
35293	6:30p-10:05p	M Tu W Th	Ausmus E	SAC H-105	06/19-07/27
MATHEMATICS 204, MATHEMATICAL CONCEPTS FOR ELEMENTARY SCHOOL TEACHERS 4.0 UNITS					
<i>Designed for prospective elementary teachers, the course emphasizes problem solving techniques and mathematical structure associated with numeration, set theory, elementary number theory, real number system, ratio, proportion, and percent. The course includes instructional delivery design and activity-based explorations.</i>					
Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 083 with a minimum grade of C or equivalent skills as measured by the Math Level 3 Exam and a course equivalent to Mathematics 080 or 081 or 083.					
35295	8:00a-10:50a	M Tu W Th	Hoang K	SAC H-109	06/19-07/27
MATHEMATICS 219, STATISTICS AND PROBABILITY 4.0 UNITS					
<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.</i>					
Prerequisite: Mathematics 280 with a minimum grade of C.					
35296	8:00a-10:50a	M Tu W Th	Lui R	SAC H-108	06/19-07/27
35301	11:15a-2:05p	M Tu W Th	Sweeney G	SAC L-207	06/19-07/27
35299	12:00p-2:50p	M Tu W Th	Leeds K	SAC H-108	06/19-07/27
35300	6:00p-8:50p	M Tu W Th	Leeds K	SAC H-108	06/19-07/27

MEDICAL ASSISTANT

MEDICAL ASSISTANT 001, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL 1.0 - 4.0 UNITS					
<i>Supervised paid or volunteer experience in student's major including new or expanded responsibilities. Units are earned based on the number of hours worked per semester. 60 hours of nonpaid work hours = 1 unit; 75 hours of paid work hours = 1 unit. Maximum units per semester is 6. May be repeated.</i>					
Prerequisite: Medical Assistant 051A and Medical Assistant 055 with a minimum grade of C.					
35304	TBA		Emley C	SAC R-303-1	06/19-08/10
Section 35304 meets 6/19/17 from 9:00am-12:00pm and 8/10 from 1:00pm-2:30pm in SAC R-303-1. Students arrange work experience placement. Number of units based on number of hours; to be arranged. Healthcare experience is required.					

Academic Planning Questions?
www.sac.edu/online_counseling

MEDICAL ASSISTANT 051A, BEGINNING MEDICAL TERMINOLOGY **3.0 UNITS**
Introduction to medical terms including structural analysis of prefixes, combining form/roots, and suffixes. Emphasis on terms related to anatomy, physiology, diagnostic tests and pathology of the digestive, renal-urinary, and reproductive systems. Also, terms related to pregnancy and the newborn.
 35305 8:00a-12:35p Tu W Th Emley C SAC R-307 06/20-07/13

MEDICAL ASSISTANT 056, COMPUTER APPLICATIONS FOR THE MEDICAL OFFICE **3.0 UNITS**
An introduction to the computer with practical applications for a medical office/clinical setting, including building patient databases, patient scheduling, procedure codes, and diagnostic codes. Generate computerized billing records, posting to accounts, insurance claims forms, and generating reports and electronic data interchange.
 35306 12:00p-4:35p Tu W Th Seitz C SAC R-303-1 06/20-07/13

MUSIC

MUSIC 101, MUSIC APPRECIATION **3.0 UNITS**
Designed to increase awareness and appreciation of music from the European classical tradition in relation to general culture and history. Develops basic understanding of musical elements and deepens student's experience of music. Recommended for non-music majors.

34955 Jones E SAC WEB 06/19-07/27
OER Section 34955 Available for Online Degree Pathway students. Online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>. Instructor has elected to use Open Educational Resources for this class. There is only a \$5.00 material fee. There is no additional textbook cost.

34956 Luevano R SAC WEB 06/19-07/27
OER Section 34956 Available for Online Degree Pathway students. Online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>. Instructor has elected to use Open Educational Resources for this class. There is only a \$5.00 material fee. There is no additional textbook cost.

34957 6:00p-10:35p Tu Th Jones J SAC N-117 06/20-07/27

MUSIC 103, JAZZ IN AMERICA **3.0 UNITS**
A historical survey of the development and evolution of jazz in America from its earliest roots in African and European music. The study will also include the social and economic conditions which influenced this art form.

34958 Staff SAC WEB 06/19-07/27
 Section 34958 Available for Online Degree Pathway students. Online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>.

MUSIC 104, ROCK MUSIC HISTORY AND APPRECIATION **3.0 UNITS**
Historical survey of rock music from its beginnings in the 50's to the present. Major rock and pop styles will be discussed. Personalities and musical styles will be related to the social, political, and cultural context of the time.

34959 9:00a-12:10p M Tu W Th Marr J SAC N-114 07/17-08/10

MUSIC 145, JAZZ IMPROVISATION AND PERFORMANCE WORKSHOP **1.0 UNIT**
Performance and analysis of jazz standards and popular pieces in a practical workshop setting. Elements of improvisation and ensemble playing are stressed. Assumes a rudimentary understanding of chords and scales. Open to all instrumentalists and vocalists.

34960 6:00p-7:15p M W Briones M SAC N-114 06/19-07/26
 7:25p-8:40p M W Briones M SAC N-114

MUSIC 161, CLASS PIANO I **1.0 UNIT**
Group instruction for beginners emphasizing note reading, basic keyboard skills, chord patterns and sight reading. Practice outside of class required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.

34961 10:00a-10:50a M W Lee S SAC N-106 06/19-08/09
 11:00a-12:05p M W Lee S SAC N-106

MUSIC 169, HARMONIZATION AT THE KEYBOARD **1.0 UNIT**
Beginning keyboard harmonization skills. Includes playing by ear and learning accompaniment patterns in several styles from simple chord progressions. Music 161 or elementary piano ability recommended.

34962 6:00p-7:20p Tu Th Kehlenbach E SAC N-106 06/20-07/27
 7:30p-8:50p Tu Th Kehlenbach E SAC N-106

NUTRITION AND FOOD

NUTRITION AND FOOD 115, NUTRITION **3.0 UNITS**
Scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on individual needs.

36738 Mathot S SAC WEB 06/19-08/10
 Section 36738 is online instruction with no on-campus meetings. Students are required to logon to Blackboard on the first day of classes: <http://rsccd.blackboard.com>. Email instructor first day of class (mathot_sarah@sac.edu).

36740 9:30a-12:30p Tu W Th Drozd A SAC T-212 06/20-07/27

PARALEGAL

PARALEGAL 101, LAW OFFICE MANAGEMENT **2.0 UNITS**
Structure and procedures of the law office. Emphasis on organization of filing systems; litigation management; calendaring; tickler systems; indexing and summarizing documents; timekeeping; fees and billing; job search; and law office layout.

35159 Manzano F SAC WEB 06/19-08/10
 Section 35159 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rsccd.blackboard.com>.

PARALEGAL 105, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL 1.0 - 2.0 UNITS
This work experience course of supervised employment is designed to assist students to acquire career awareness, work habits, attitudes and skills related to the student's college major. A student can earn 1 to 4 units per semester, up to a maximum of 16 units total. Additionally, students must work 75 paid hours or 60 non-paid hours per unit earned.

35160 TBA Smith K SAC A-107-1 06/19-08/10
 Section 35160 mandatory on-campus orientation Wed., 6/20, 6:00p A-130.

PARALEGAL 121, ETHICS AND PROFESSIONAL RESPONSIBILITY **2.0 UNITS**
Ethics and professional responsibility for paralegals: fees, client funds, billing, advertising, solicitation, unauthorized practice, deceit, and confidentiality; conflict of interest, suppressing evidence, reporting misconduct and professional practice obligations.

35161 Manzano F SAC WEB 06/19-08/10
 Section 35161 online instruction. No on-campus meeting times. Students are required to logon to Blackboard on the first day of class: <http://rsccd.blackboard.com>.

PARALEGAL 136, REAL PROPERTY LAW AND PROCEDURE **2.0 UNITS**
Purchase sales agreements, mortgages, leases, easements, deeds, closing and recording of documents, public domain, condemnation, title searches, foreclosure process, eviction process(unlawful detainer), and landlord-tenant law.

35162 6:00p-10:15p Th Tanner W SAC A-226 06/22-08/10

PHARMACY TECHNOLOGY

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

36636 7:15p-9:20p M W Ross Jr J SAC H-210 06/19-08/09

PHARMACY TECHNOLOGY 051, BODY SYSTEMS I **3.5 UNITS**
Anatomy, physiology, pathology, and pharmacology of the musculoskeletal, respiratory, renal, and cardiovascular systems. Basic terminology, with emphasis on word analysis and construction, medical abbreviations, and lay terms. Trade/generic names and indications for each body system.

36637 6:00p-9:40p Tu Th Nguyen H SAC H-210 06/20-08/10

PHARMACY TECHNOLOGY 054A, BEGINNING PHARMACY CALCULATIONS **1.0 UNIT**
This course introduces students to calculations related to drug dosage and preparation of medications. Interconversion of units in the metric and common systems of measurement are included. There is emphasis on unit-cancellation for solving pharmacy situation problems, as well as a strong verbal component.

36638 5:00p-7:05p M W Ross Jr J SAC H-210 06/19-07/12

PHARMACY TECHNOLOGY 054B, ADVANCED PHARMACY CALCULATIONS **1.0 UNIT**
Students will learn calculations related to drug dosage using body surface area, measurements of strength, and preparation of medications. Calculations of dosage strength include ratio strength, percentage strength, and milligram percentage strength. Common dilutional calculations and alligation methods are included. There is emphasis on unit-cancellation for solving pharmacy situation problems as well as strong verbal component.

Prerequisite: Pharmacy Technology 054A with a minimum grade of C.

36639 5:00p-7:05p M W Ross Jr J SAC H-210 07/17-08/09

PHARMACY TECHNOLOGY 072A, PHARMACY TECHNOLOGY EXTERNSHIP OUTPATIENT **0.5 - 1.5 UNITS**
On-site training in the outpatient (retail) practice setting. Students must complete PHAR 056 lab class to qualify for the outpatient rotation. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests. Completion of the outpatient rotation PHAR 072A is required for the Basic Certificate. Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations (320 hours) is required for the advanced certificate and Associate Degree. At the end of the rotation, the instructor will use the attendance records and competency forms as input from preceptors to assess the student learning outcomes and to help determine final grades. Students can refer to the course overview to understand the details of final grade assignments.

Open Entry / Open Exit

Prerequisite: Pharmacy Technology 056 and Communication Studies 097 or Communication Studies 101 or Communication Studies 101H or Communication Studies 102 with a minimum grade of C. Background checks, health screenings, current TB clearance and drugs test clearance.

36640 TBA Huynh-Dang K SAC H-210 06/12-08/20

PHARMACY TECHNOLOGY 072B, PHARMACY TECHNOLOGY EXTERNSHIP INPATIENT **0.5 - 2.5 UNITS**
On-site training in the inpatient (hospital) practice setting. Students must complete the following lab courses prior to placement: PHAR 057 and PHAR 056. Students must pass the trade-generic test prior to placement. Some sites require additional background, health screenings, and drugs tests. Completion of PHAR 072A, PHAR 072B, PHAR 072C rotations (320 hours) is required for the advanced certificate and Associate Degree. At the end of the rotation, the instructor will use the attendance records and competency forms as input from preceptors to assess the student learning outcomes and to help determine final grades. Students can refer to the course overview to understand the details of final grade assignments.

Open Entry / Open Exit

Prerequisite: Pharmacy Technology 056 and Pharmacy Technology 057 and Communication Studies 097 or Communication Studies 101 or Communication Studies 101H or Communication Studies 102 with a minimum grade of C. Background checks, health screenings, current TB clearance and drugs test clearance.

36641 TBA Huynh-Dang K SAC H-210 06/12-08/20

PHILOSOPHY

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

34832 8:00a-12:15p M W Granitto J SAC I-109 06/19-07/26
 34833 6:00p-10:20p Tu Th Blake H SAC I-208 06/19-07/27

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
PHILOSOPHY 108, ETHICS 3.0 UNITS					
<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>					
34841			Fish Z	SAC WEB	06/19-08/10
Section 34841 Available for Online Degree Pathway students. No on-campus meeting times. Students are required to log-on to Blackboard on the first day of class: http://rscdd.blackboard.com					
34834	6:00p-10:15p	M W	Rodriguez A	SAC I-207	06/19-07/26
PHILOSOPHY 110, CRITICAL THINKING 4.0 UNITS					
<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 101/101H with a minimum grade of C.					
34873	8:00a-12:30p	M Tu W Th	Fish Z	SAC D-303	06/19-07/13
34843	6:00p-10:20p	Tu Th	Redoutey M	SAC I-207	06/20-08/10
PHILOSOPHY 111, INTRODUCTORY LOGIC 4.0 UNITS					
<i>Beginning course in formal and applied logic. Covers cognitive language, formal argument, proof, basic propositional and predicate logic, and philosophy of logic. Emphasizes active student involvement and practical application to college life.</i>					
34874	8:00a-12:15p	M Tu W Th	Fish Z	SAC D-303	07/17-08/10

PHOTOGRAPHY

PHOTOGRAPHY 150, HISTORY OF PHOTOGRAPHY 3.0 UNITS					
<i>A survey of the history, aesthetics, and technical evolution of photography including an in-depth view of artistic styles and individual photographers' contributions from the 19th century to the present.</i>					
35029	10:30a-1:20p	M Tu W	Marquez P	SAC C-104	06/19-07/26
35330	3:00p-5:50p	M Tu W	Marquez P	SAC C-104	06/19-07/26
PHOTOGRAPHY 180, BEGINNING PHOTOGRAPHY 3.0 UNITS					
<i>This course provides students with an introduction to visual concepts, basic image capture, and camera functions with digital cameras. Software basics for photographic imaging and digital printing.</i>					
Material Fee(s): \$15.00					
35028	10:00a-11:20a	M Tu W Th	Staff	SAC A-219	06/19-07/27
	11:30a-1:35p	M Tu W Th	Staff	SAC A-219	

PHYSICS

PHYSICS 227, ENGINEERING PHYSICS II 4.0 UNITS					
<i>Introduces the basic principles of electricity and magnetism. The main topics are electrostatics, circuits, magnetism, electro-magnetic induction, and Maxwell's equations. This course is designed for students majoring in physical sciences and engineering.</i>					
Prerequisite: Physics 217 and Mathematics 185 with a minimum grade of C.					
35309	9:15a-11:20a	M Tu W Th	Staff	SAC R-328	06/19-07/27
	11:30a-1:35p	M Tu W Th	Staff	SAC R-328	

POLITICAL SCIENCE

POLITICAL SCIENCE 101, INTRODUCTION TO AMERICAN GOVERNMENTS 3.0 UNITS					
<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>					
34885	8:00a-11:20a	Tu Th	Valenzuela E	SAC D-101	06/20-08/10
34878	8:00a-12:15p	M W	Andrade P	SAC D-101	06/19-07/26
34883	9:15a-10:40a	M Tu W Th	Murphy T	SAC D-106	07/03-08/10
34877	11:30a-1:35p	M Tu W Th	Murphy T	SAC D-106	07/03-08/10
34884	12:30p-4:45p	M W	Andrade P	SAC D-101	06/19-07/26
34887	12:30p-5:05p	Tu Th	Petri M	SAC D-101	06/20-07/27
34881	6:00p-10:20p	Tu Th	Becker C	SAC D-101	07/06-08/10
34875	6:00p-10:15p	M W	Becker C	SAC D-101	07/03-08/09

PSYCHOLOGY

PSYCHOLOGY 100, INTRODUCTION TO PSYCHOLOGY 3.0 UNITS					
<i>An introduction to the major theories, methods, concepts, ethical issues, and findings in the major fields in psychology including (but not limited to): biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders and therapeutic approaches, and applied psychology.</i>					
34896	TBA		Staff	SAC WEB	06/19-08/10
Section 34896 online instruction. NO on-campus meeting times. Students are required to log on to Blackboard on the first day of class: http://rscdd.blackboard.com . Email instructor first week of class. (castillo_ricardo@sac.edu).					
34893	8:00a-10:05a	M Tu W Th	Pedroza J	SAC D-434	06/19-07/27
34894	9:00a-12:20p	Tu Th	Staff	SAC D-214	06/19-08/10
34895	9:00a-12:10p	M W	Castillo R	SAC D-214	06/19-08/10
34892	1:00p-4:10p	M W	Castillo R	SAC D-209	06/19-08/09
34891	6:30p-9:50p	M Tu W Th	Castillo R	SAC D-434	06/19-07/13
PSYCHOLOGY 200, INTRODUCTION TO BIOLOGICAL PSYCHOLOGY 3.0 UNITS					
<i>Explores relationships between physiological structures of the body and human behavior. Focuses on the organization and function of the brain, spinal cord, peripheral nervous system, glands, sensory and perceptual systems. Relates physiological functioning to motivated behavior, addiction, and psychological disorders.</i>					
34897	8:00a-11:20a	Tu Th	Ortiz F	SAC I-207	06/20-08/02

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
PSYCHOLOGY 210, STATISTICS FOR THE BEHAVIORAL SCIENCES 4.0 UNITS					
<i>Introduces psychology and behavioral science majors to descriptive and inferential statistical methods. Knowledge of these methods is essential to the understanding, interpretation, and performance of scientific research. Topics covered include probability theory, hypothesis testing, correlation, analysis of variance, the graphical representation of data, basic research design, and the use of computer software to perform statistical analyses.</i>					
34899	11:30a-4:00p	Tu Th	Ortiz F	SAC D-434	06/20-08/10
PSYCHOLOGY 219, INTRODUCTION TO RESEARCH METHODS IN PSYCHOLOGY 3.0 UNITS					
<i>Emphasizes methods of study in psychology, experimental design, analysis of variables contributing to experimental results, and data treatment.</i>					
34900	11:00a-1:05p	M W	Ortiz F	SAC A-207	06/19-08/09
	1:15p-4:25p	M W	Ortiz F	SAC A-207	
PSYCHOLOGY 250, INTRODUCTION TO ABNORMAL PSYCHOLOGY 3.0 UNITS					
<i>Introduction to the commonly diagnosed psychological disorders. Includes psychophysiological disorders, anxiety, depression, substance abuse, sexual dysfunctions, schizophrenia, developmental, cognitive, and personality disorders. Emphasis is on identification, symptomatology, etiology, and methods of therapeutic intervention.</i>					
Prerequisite: Psychology 100/100H with a minimum grade of C.					
34901	10:15a-12:20p	M Tu W Th	Pedroza J	SAC I-209	06/19-07/27

READING

READING 150, CRITICAL READING 3.0 UNITS					
<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>					
34902			Gilreath G	SAC WEB	06/19-07/27
Section 34902 online instruction. NO on-campus meeting times. Students are required to log on to Blackboard on the first day of class: http://rscdd.blackboard.com . Email instructor first week of class. (gilreath_genice@sac.edu).					

SOCIOLOGY

SOCIOLOGY 100, INTRODUCTION TO SOCIOLOGY 3.0 UNITS					
<i>The scientific study of human societies and behavior focusing on the process of social interaction, patterns of social inequality, and the influence of social institutions on individuals as members of social groups. Special emphasis provided to explain factors promoting social stability and social change.</i>					
34914			Cicchelli G	SAC HYBRID	06/22-07/27
OER	5:30p-6:50p	Th	Cicchelli G	SAC D-213	
Section 34914 online instruction plus mandatory on-campus meetings on Thursdays 6/22, 7/6, 7/13, 7/27 from 5:30-6:50pm in SAC D-213. Students are required to log on to blackboard on the first day of class: http://rscdd.blackboard.com . Email instructor first week of class. (cicchelli_giana@sac.edu). Instructor has elected to use Open Educational Resources for this class. There is no additional textbook cost.					
OER 34906	8:00a-12:15p	M W	Campbell A	SAC D-212	06/19-07/26
Section 34906. Instructor has elected to use Open Educational Resources for this class. There is no textbook cost.					
34907	8:00a-12:35p	Tu Th	Staff	SAC D-212	06/20-07/27
34910	11:00a-2:20p	Tu Th	King Y	SAC I-207	06/20-08/10
34908	6:00p-9:10p	M W	Jimenez I	SAC D-214	06/19-08/09
SOCIOLOGY 112, RELATIONSHIPS, MARRIAGES, AND FAMILY DYNAMICS 3.0 UNITS					
<i>In-depth examination of the process of developing intimate relationships leading to committed partnerships and marriages with emphasis on effective communication techniques, understanding relationship dynamics, parenting, diverse family systems and overcoming family stressors at each life stage.</i>					
34918			O'Dell R	SAC WEB	06/19-08/10
Available for Online Degree Pathway Students. Online instruction. No on-campus meeting times. Students are required to log on to Blackboard the first day of classes: http://rscdd.blackboard.com .					
OER 34915	8:00a-12:35p	Tu Th	Campbell A	SAC D-213	06/20-07/27
Section 34915. Instructor has elected to use Open Educational Resources for this class. There is no textbook cost.					
34917	6:30p-9:50p	Tu Th	Staff	SAC D-214	06/19-08/10

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Section Type

DINT - Online

DINT2 - Online/Some Campus Mtna

OER - Open Education Resource

SPANISH

SPANISH 101, ELEMENTARY SPANISH I **5.0 UNITS**

Practice and integration of pronunciation, grammar, vocabulary, common idioms, listening, speaking, reading, and writing techniques for the expression of ideas orally and in writing. Introduction to Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 101 is equivalent to two years of high school Spanish.

H 34919	10:00a-12:30p W	Galvan J	SAC HYBRID	06/21-07/26
		Galvan J	SAC D-302	

Section 34919 combines online instruction with 5 mandatory on-campus meetings on Wednesdays 6/21, 6/28, 7/12, 7/19, 7/26 from 10am-12:30pm in SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor. (galvan_javier@sac.edu)

H 34923	1:00p-3:30p W	Galvan J	SAC HYBRID	06/21-07/26
		Galvan J	SAC D-302	

Section 34923 combines online instruction with 5 mandatory on-campus meetings on Wednesdays 6/21, 6/28, 7/12, 7/19, 7/26 from 1-3:30pm in SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor. (galvan_javier@sac.edu).

34924	12:00p-2:20p Tu	Guerrero-Phlaum M	SAC HYBRID	06/20-07/25
		Guerrero-Phlaum M	SAC D-302	

Section 34924 combines online instruction with 5 mandatory on-campus meetings on Tuesdays 6/20, 6/27, 7/11, 7/18, 7/25 from 12-2:20pm in SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor. (guerrero_martha@sac.edu)

H 34925	2:00p-4:30p Th	Lopez-Jaurequi L	SAC HYBRID	06/22-07/27
		Lopez-Jaurequi L	SAC D-302	

Section 34925 combines online instruction with 5 mandatory on-campus meetings on Thursdays 6/22, 6/29, 7/13, 7/20, 7/27 from 2-4:30pm in SAC D-302. This class is designed for Spanish speakers, and requires the book "Mundo 21" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor. (lopez_leticia@sac.edu).

34926	6:00p-8:35p M Tu W Th	Calderon A	SAC D-303	06/19-08/10
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Section 34926 is designed for Spanish speakers.

SPANISH 101H, HONORS ELEMENTARY SPANISH I **5.0 UNITS**

Enhanced and intensive practice and integration of pronunciation, grammar, vocabulary, common idioms, listening, speaking, reading, and writing techniques for the expression of ideas orally and in writing. Enriched introduction of Hispanic culture. Note: Some sections are designated for Spanish speakers. Spanish 101H is equivalent to two years of high school Spanish.

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

34927	8:00a-10:50a M Tu W Th	Fuentes Sanchez A	SAC D-210	06/19-08/10
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SPANISH 102, ELEMENTARY SPANISH II **5.0 UNITS**

A college-level Spanish class focusing on further training in language skills providing avenues for the expression of ideas orally and in writing. Additional study of Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 102 is equivalent to the third year of high school Spanish.

Prerequisite: Spanish 101/101H or two years of high school Spanish with a minimum grade of C.

H 34928	9:00a-11:20a Tu	Guerrero-Phlaum M	SAC HYBRID	06/20-07/25
		Guerrero-Phlaum M	SAC D-302	

Section 34928 combines online instruction with 5 mandatory on-campus meetings on Tuesdays 6/20, 6/27, 7/11, 7/18, 7/25 from 9-11:20am in SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor. (guerrero_martha@sac.edu).

H 34935	6:00p-8:30p Th	Lopez-Jaurequi L	SAC HYBRID	06/22-07/27
		Lopez-Jaurequi L	SAC D-302	

Section 34935 combines online instruction with 5 mandatory on-campus meetings on Thursdays 6/22, 6/29, 7/13, 7/20, 7/27 from 2-4:30pm in SAC D-302. This class is designed for Spanish speakers, and requires the book "Mundo 21" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor. (lopez_leticia@sac.edu).

SPANISH 102H, HONORS ELEMENTARY SPANISH II **5.0 UNITS**

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

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

H 34936	6:00p-8:30p Th	Lopez-Jaurequi L	SAC HYBRID	06/22-07/27
		Lopez-Jaurequi L	SAC D-302	

Section 34936 combines online instruction with 5 mandatory on-campus meetings on Thursdays 6/22, 6/29, 7/6, 7/13, 7/27 from 6-8:30pm in SAC D-302. This class requires the book "Mundo 21" with the electronic code for online lab materials. Students are required to use Blackboard <http://rscdd.blackboard.com> and to email the instructor. (lopez_leticia@sac.edu).

STUDY SKILLS

STUDY SKILLS 109, COLLEGE LEARNING SKILLS **3.0 UNITS**

This course provides effective success strategies to enhance student self-development, academic, and lifelong learning skills for the college student. The techniques include values, goal-setting, dealing with money, stress management, diversity, motivation, health, and time-management. Students learn personal growth methods and develop strategies to effectively deal with issues to ensure personal, educational, and career success.

O 35106		Staff	SAC WEB	06/19-07/27
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Section 35106: Students are required to log-on to Blackboard the first day of class, Monday, June 19. <https://rscdd.blackboard.com>

THEATRE ARTS

THEATRE ARTS 100, INTRODUCTION TO THEATRE **3.0 UNITS**

An introduction to the art and concepts of theatre through a study of modern and historical theories of dramatic structure, playwriting, directing, design, and acting. Attendance at live theatre required.

35042	8:00a-12:35p Tu Th	Cannon C	SAC P-105	06/20-07/27
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THEATRE ARTS 154, PERFORMANCE ENSEMBLE **2.0 UNITS**

A study of the standards and expectations for an actor in auditions, casting, rehearsal and performance in a departmental production. All students will be cast in one-act plays for public presentation.

Prerequisite: Audition

35043	1:30p-2:30p Tu W Th	Cannon C	SAC P-105	06/20-07/27
	2:40p-5:20p Tu W Th	Cannon C	SAC P-105	

TV/VIDEO COMMUNICATIONS

TV/VIDEO COMMUNICATIONS 103, HISTORY OF FILM TO 1945 **3.0 UNITS**

A survey course exploring film as an art form and developing appreciation of historical, artistic, and technical advances from 1890s to 1945.

36855	9:00a-12:10p M W	Taylor M	SAC A-210	06/19-08/09
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TV/VIDEO COMMUNICATIONS 104, HISTORY OF FILM FROM 1945 TO PRESENT **3.0 UNITS**

A lecture/visual aids course exploring film as an art form and developing appreciation of historical, artistic and technical advances.

36854	12:45p-3:55p M W	Taylor M	SAC A-210	06/19-08/09
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WELDING

WELDING 129A, ADVANCED ARC WELDING LEVEL I **3.0 UNITS**

This course is designed to help students enhance previously acquired arc welding skills and prepare them to pass the welding certification test. Provides advanced manipulative skills and technical knowledge needed to pass a 1" plate guided bended test required for structural steel certification.

Prerequisite: Welding 108 with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills.

36727	5:00p-8:55p M Tu W Th	Moreno G	SAC K-101	06/19-08/10
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WELDING 129B, ADVANCED ARC WELDING LEVEL II **3.0 UNITS**

This is a course designed to advance the student's previously acquired arc welding skills and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using the shielded metal arc welding process (SMAW) E-7018 according to the American Welding Society rules and regulations D1.1 Code Book.

Prerequisite: Welding 129A with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

36730	5:00p-8:55p M Tu W Th	Moreno G	SAC K-101	06/19-08/10
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WELDING 129C, ADVANCED ARC WELDING LEVEL III **3.0 UNITS**

This is a course designed to improve and master the student's previously acquired arc welding skills to an advanced level and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using the shielded metal arc welding process E-7018 according to the American Welding Society rules and regulations. Students will take the D1.1 certification test at this level.

Prerequisite: Welding 129B with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

36732	5:00p-8:55p M Tu W Th	Moreno G	SAC K-101	06/19-08/10
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WELDING 129D, ADVANCED ARC WELDING LEVEL IV **3.0 UNITS**

This course provides level one instruction on the principles, equipment, welding techniques, mode of operations, and safety for (FCAW) wire flux cored arc welding used for structural steel. It is also designed to improve the student's formerly acquired arc welding skills and prepare the student to pass the welding certification test D1.1. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using FCAW 2/32 wire (flux cored arc welding).

Prerequisite: Welding 129C with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

36735	5:00p-8:55p M Tu W Th	Moreno G	SAC K-101	06/19-08/10
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WELDING 140A, WELDING CERTIFICATION TRAINING LEVEL I **3.0 UNITS**

This is an advanced course that will provide lecture and hands-on practice in welding in multiple areas of certification using shielded metal arc welding (SMAW) as well as in flux cored arc welding (FCAW). The student will focus on welding in the vertical and overhead position and the preparation of test plates.

Prerequisite: Welding 108 with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills.

36736	5:00p-8:55p M Tu W Th	Moreno G	SAC K-101	06/19-08/10
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WELDING 140B, WELDING CERTIFICATION TRAINING LEVEL II **3.0 UNITS**

This is an advanced course that will provide lecture and hands-on practice in welding in multiple areas of certification using shielded metal arc welding (SMAW) as well as in flux cored arc welding (FCAW) in the vertical and overhead positions. The student will focus on welding with the SMAW, FCAW and pipe in the 1G and 2G positions using E6010 electrode.

Prerequisite: Welding 140A with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.

36737	5:00p-8:55p M Tu W Th	Moreno G	SAC K-101	06/19-08/10
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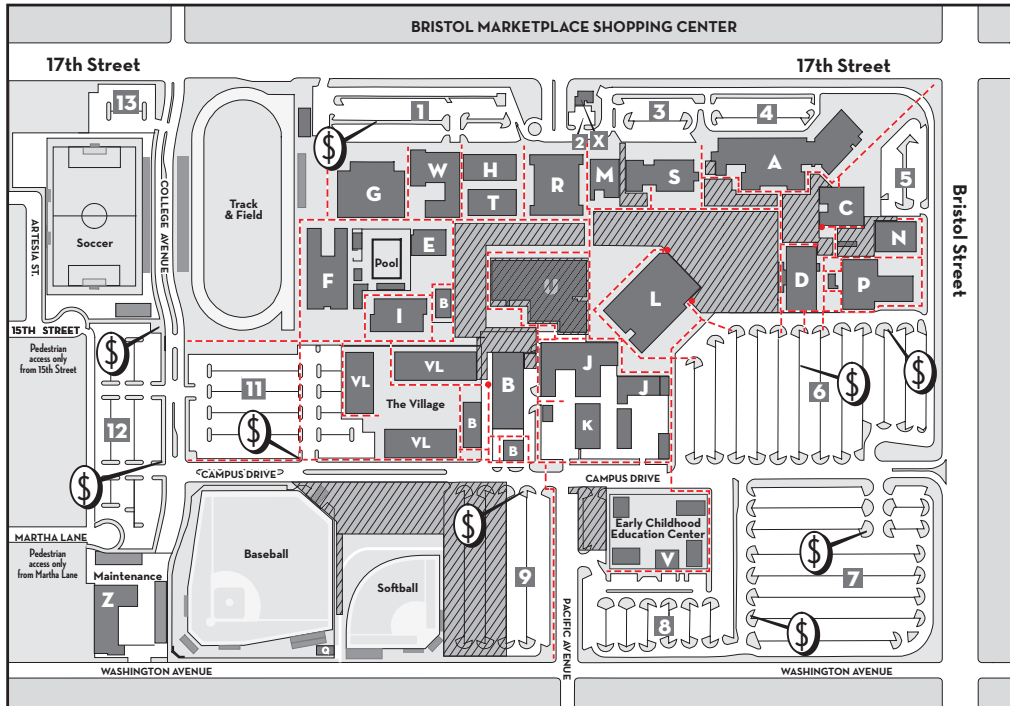


2017 summer schedule of classes



SANTA ANA
COLLEGE

June 19, 2017 – August 13, 2017 A complete list of classes available online: sac.edu



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SAC Facilities & Locations

- | | |
|---|---|
| A Cesar Chavez Building / Business / Computer Lab | Q Concession |
| B School of Continuing Education ESL and High School Classes | R Russell Hall |
| C Fine Arts / Art Gallery | S Administration Building / Admissions / Counseling |
| D Dunlap Hall | T Technical Arts |
| E Fitness Center | U Johnson Center (Closed) |
| F Locker Rooms | V Early Childhood Education Center |
| G Cook Gym | VL The Village (Student Business Office, Campus Store, Grab-n-Go, Health & Wellness, DSPS, EOPS, Financial Aid International Students Program, The Spot, Student Life) |
| H Hammond Hall | W Kinesiology |
| I Classroom Building | X Security / Safety |
| J Auto Shop / Quick Center | Z Maintenance |
| K Welding / Auto Diesel | |
| L Nealley Library / Media Services | |
| M Planetarium | |
| N Music Building | |
| P Phillips Hall Theatre | |

Denotes "Closed for Construction"

This map was current at time of publication. Please go to www.sac.edu/AboutSAC/Maps for an updated version

SAC Parking

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



SAC IS TOBACCO-FREE

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



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 Discontinuation 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 District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

The Chancellor shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in accordance with the Title 5 regulations and those of other agencies that administer state and federal laws regarding nondiscrimination.

No District funds shall ever be used for membership, or for any participation involving financial payment or contribution on behalf of the District or any individual employed by or associated with it, to any private organization whose membership practices are discriminatory on the basis of national origin, religion, age, gender, gender identity, gender expression, race, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status, or because he or she is perceived to have one or more of the foregoing characteristics, or because of his or her association with a person or group with one or more of these actual or perceived characteristics. Inquiries regarding compliance and/or grievance procedures may be directed to RSCCD Title IX Officer and Section 504/ADA Coordinator: Judy Chitlik, 2323 N. Broadway, Santa Ana, CA 92706, 714-480-7489.