We are excited to continue SAC’s outstanding history and legacy of success. Our faculty and staff, academic programs and student services are ranked high in quality among our alumni. We encourage you to take advantage of Intersession to accelerate achieving your academic goal.

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

Erlinda J. Martinez, Ed.D.

A complete list of classes available online: sac.edu
NOTE:
Please check that your email address is current in your student profile via WebAdvisor.
Hours are Monday–Thursday, 8:00 am–6:45 pm
Friday, 8:00 am–4:30 pm (Hours 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:

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 final outstanding balance drop date, 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: $214.00 per unit ($190.00 tuition + $24.00 capitol outlay) in addition to the per enrollment fee for non-resident students. Refer residency questions to the Admissions office.

Refunds: Students will be eligible for a refund if they drop their course on or before the day of the first class meeting.
Material Fee: Material fee may be required for a course. Check classes online for specific fees.
Student Photo Identification Card: $2.50 for College Services: Library, student and instructional services.
Student Service Fee: $5.00 for college activities and discounts.
Parking Fee: A permit is not required to park on campus during Intersession. Permits are required beginning with the start of full semester classes.

FIRST CLASS MEETING
Make sure you attend the first class meeting!
Attendance of the first class meeting of a class is advised because of enrollment demands. Any student not reporting to the first class meeting may be dropped from the roll sheet.

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

Can’t find the class you need? It may be waiting for you at SANTIAGO CANYON COLLEGE (SCC)
Classes for both SAC and SCC are listed online
CALENDAR FOR INTERSESSION 2014 CLASSES

DO I have to apply for both Intersession (2014SI) and Spring (2014SP)?
- Yes, if you are not currently enrolled in a Fall 2013 (2013FA) semester class.

IF I complete a 2014SI application and would like to enroll in 2014SP classes, do I have to fill out another application?
- Yes, you can submit both applications on or after November 1, 2013.

WHERE do I apply for the Intersession?
- Applications are available online at www.sac.edu.

HOW do I enroll for Intersession Classes?

PROBLEMS registering?
- Have you attended SAC or SCC during the Fall Semester 2013? No: You need to submit an application prior to registering for classes—apply online.
- Yes: Continue with the following questions.
  - Have you completed the needed prerequisites for the class? If not, call Counseling and make an appointment, 1-714-564-6100.
  - Have you taken the course at least 2 times already? If yes, call Counseling and make an appointment, 1-714-564-6100.

DO I need a parking permit during the January Intersession classes?
- No: Permits are required beginning with the start of full semester classes!

REGISTRATION QUESTIONS?
CALL 714-564-6005

SCHEDULE OF CLASSES
<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOLOGY 109F, FUNDAMENTALS OF BIOLOGY LABORATORY</td>
<td>1.0 UNIT</td>
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<tr>
<td>BUSINESS</td>
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<tr>
<td>BUSINESS 130, PERSONAL FINANCE</td>
<td>3.0 UNITS</td>
<td>Various aspects of personal financial planning covering family budgeting, investments, housing, insurance, taxation, estate planning, credit and its uses, planning for retirement, installment buying.</td>
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<tr>
<td>BUSINESS APPLICATIONS</td>
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</tr>
<tr>
<td>BUSINESS APPLICATIONS 635, COMPUTER FUNDAMENTALS</td>
<td>1.5 UNITS</td>
<td>Introduction to computer hardware components, software applications, multimedia, and the use of the Internet.</td>
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<tr>
<td>BUSINESS APPLICATIONS 110A, COMPUTER KEYBOARDING SKILLS I</td>
<td>1.0 UNIT</td>
<td>Proficiency based keyboarding skills includes alphabet, speed and accuracy development.</td>
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<tr>
<td>BUSINESS APPLICATIONS 110B, COMPUTER KEYBOARDING SKILLS II</td>
<td>1.0 UNIT</td>
<td>Continuation and refinement of proficiency based computer keyboarding skills includes: alphabet and numeric keyboard, speed and accuracy development and basic word processing skills.</td>
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<tr>
<td>BUSINESS APPLICATIONS 115A, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT I</td>
<td>1.0 UNIT</td>
<td>Intense review of letter, number, and symbol typing. Emphasis on individual's problem keys. Increase keyboarding speed and improve accuracy through prescribed drills and timed writings on computer. Basic proficiency in typing or keyboarding recommended.</td>
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<tr>
<td>BUSINESS APPLICATIONS 115B, COMPUTER KEYBOARDING SPEED AND ACCURACY DEVELOPMENT II</td>
<td>1.0 UNIT</td>
<td>Refinement of letter, number, and symbol typing. Emphasis on individual's problem keys. Increase keyboarding speed and improve accuracy through prescribed drills and timed writings on computer.</td>
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<tr>
<td>CHEMISTRY 209, INTRODUCTION TO CHEMISTRY</td>
<td>4.0 UNITS</td>
<td>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.</td>
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<tr>
<td>CHEMISTRY</td>
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<tr>
<td>CHICANO STUDIES</td>
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<tr>
<td>CHICANO STUDIES 101, INTRODUCTION TO CHICANO STUDIES</td>
<td>3.0 UNITS</td>
<td>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.</td>
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<tr>
<td>COMMUNICATION STUDIES</td>
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<tr>
<td>COMMUNICATION STUDIES 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION</td>
<td>3.0 UNITS</td>
<td>Introduction to communication theory, listening, perception, language usage, non-verbal communication, and conflict management. Recommended for students who have completed or are currently enrolled in English 101.</td>
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<tr>
<td>COMPUTER SCIENCE</td>
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<tr>
<td>COMPUTER SCIENCE 100, THE COMPUTER AND SOCIETY</td>
<td>3.0 UNITS</td>
<td>An introduction to the area of computers and their relationship to today's society. Examines a broad overview of topics including: hardware, software, networking, information technology, and the Internet. The student will explore the implications of technology on society, careers and ethics.</td>
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<tr>
<td>CRIMINAL JUSTICE</td>
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<tr>
<td>CRIMINAL JUSTICE 101, INTRODUCTION TO CRIMINAL JUSTICE</td>
<td>3.0 UNITS</td>
<td>A survey of the philosophy and history of criminal justice system (law enforcement, courts, corrections), processes of justice from detection of crime to parole; evolution of modern criminal justice delivery systems.</td>
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<tr>
<td>CRIMINAL JUSTICE ACADEMIES</td>
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<tr>
<td>CRIMINAL JUSTICE 009B, FITNESS FOR LAW ENFORCEMENT</td>
<td>0.1 - 0.3 UNITS</td>
<td>Training designed specifically for law enforcement and those with an interest in entering law enforcement.</td>
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<tr>
<td>CRIMINAL JUSTICE ACADEMIES 026A, TRAINING ACADEMY PREPARATION</td>
<td>0.1 - 0.3 UNITS</td>
<td>This course is designed to prepare the student for the Basic Law Enforcement Academy, CAJ 100A. It will include: drill, ceremony, physical training, reporting and speeches.</td>
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<td>DANCE</td>
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<tr>
<td>DANCE 100, DANCE HISTORY AND APPRECIATION</td>
<td>3.0 UNITS</td>
<td>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.</td>
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<tr>
<td>DANCE 105, WORLD DANCE AND CULTURES</td>
<td>3.0 UNITS</td>
<td>Dance around the world is studied in its cultural/social context. Emphasis on the different ways dance serves to express ideas and values in different cultures and social contexts. 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 colleges and career opportunities. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, career and life plans.</td>
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<tr>
<td>EARTH SCIENCE</td>
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<tr>
<td>EARTH SCIENCE 110, INTRODUCTION TO EARTH SCIENCE</td>
<td>3.0 UNITS</td>
<td>A study of the processes that shape and form the Earth and delineate 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.</td>
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<td>MATERIAL FEE(s): $18.50</td>
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<tr>
<td>开放资源课程</td>
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**Make sure your current email is in personal information.**
### ECONOMICS

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ECON 120, PRINCIPLES/MACRO</td>
<td>Introduction to microeconomics, including basic economic concepts, analysis of markets, national income accounting, employment, short run business cycle fluctuations, long run growth trends, monetary and fiscal policies, and international economic issues. Intended for economics, business, and certain engineering/computer science majors. Mathematics 060 or Mathematics 061 are recommended.</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>ECON 121, PRINCIPLES/MICRO</td>
<td>Introduction to microeconomics, including basic economic concepts, analysis of markets, efficiency consumer and firm behavior, industry structures, market failure, and resource markets. For economics, business, and certain engineering and computer science majors. Mathematics 060 or Mathematics 061 are recommended.</td>
<td>3.0</td>
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</table>

### ENGINEERING

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>EGR 100A, INTRODUCTION TO ENGINEERING</td>
<td>Introduction to major fields of Engineering (including mechanical, electrical, industrial, biomedical, aerospace, and others). Includes an overview of academic programs, career information and preparation requirements, virtual or in person field trips, projects, and guest speakers.</td>
<td>2.0</td>
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</tr>
<tr>
<td>EGR 100B, INTRODUCTION TO ARCHITECTURE/CIVIL ENGINEERING</td>
<td>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.</td>
<td>2.0</td>
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</table>

### ENGLISH

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ENG 101, FRESHMAN COMPOSITION</td>
<td>Expository and argumentative essays and the research paper. Special interest sections described in schedule of classes.</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>ENG 103, CRITICAL THINKING AND WRITING</td>
<td>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.</td>
<td>4.0</td>
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</table>

### FRENCH

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<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>FRENCH 101, ELEMENTARY FRENCH 1</td>
<td>A college level French course focusing on fundamentals of pronunciation and grammar, basic vocabulary (including common idioms), simple conversation and composition. Supplementary cultural readings. French 101 is equivalent to two years of high school French.</td>
<td>5.0</td>
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</table>

### GEOGRAPHY

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>GEOGRAPHY 100, WORLD REGIONAL GEOGRAPHY</td>
<td>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.</td>
<td>3.0</td>
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</table>

### GEOLOGY

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<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>GEOLOGY 101, INTRODUCTION TO GEOLOGY</td>
<td>Introductory course for students in any major. Study of the internal and external processes that shape the earth (earthquakes, volcanoes, groundwater, streams, landforms). Optional field trip offered. Concurrent enrollment in Geology 101 is recommended.</td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>GEOLOGY 101, INTRODUCTION TO GEOLOGY LABORATORY</td>
<td>Study of the common minerals and rocks. Map reading and interpretation of geology using topographic maps, geologic maps and aerial photos.</td>
<td>1.0</td>
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</tbody>
</table>

### HISTORY

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HISTORY 120, THE UNITED STATES TO 1865</td>
<td>Examines major political, economic, intellectual, and social forces at home and abroad that shaped American life from the colonial period through the Civil War.</td>
<td>3.0</td>
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</tbody>
</table>

### HUMAN DEVELOPMENT

<table>
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<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HUMAN DEVELOPMENT 112, HEALTH, SAFETY AND NUTRITION FOR CHILDREN</td>
<td>This course examines the regulations, policies, procedures and best practices for early childhood curriculum related to health, safety, food, and nutrition while supporting child development through everyday planning and school programming. The importance of collaboration between families and school professionals to ensure physical and mental health of all children, families, and professionals will be explored. Students must show proof of negative TB test results. Field trips to local child development centers may be included. Suggested preparation: Six units of human development classes</td>
<td>3.0</td>
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</table>

### FASHION DESIGN MERCHANDISING

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FASHION DESIGN MERCHANDISING 100, INTRODUCTION TO FASHION</td>
<td>Traces and analyzes the fashion industry, trends, and designers from socio-economic, political, technological, and global influences; emphasis on current fashion careers.</td>
<td>3.0</td>
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</tbody>
</table>

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**TOTAL UNITS:**

- **ECONOMICS:** 6.0
- **ENGINEERING:** 2.0
- **ENGLISH:** 4.0
- **FRENCH:** 5.0
- **GEOGRAPHY:** 3.0
- **GEOLOGY:** 3.0
- **HISTORY:** 3.0
- **HUMAN DEVELOPMENT:** 3.0
- **FASHION DESIGN MERCHANDISING:** 3.0

**TOTAL COURSE CREDIT HOURS:** 27.0

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**Contact:**

- **Academic Planning Questions:**
  - **Website:** [www.sac.edu/online_counseling](http://www.sac.edu/online_counseling)
  - **Phone:** 916-558-2207
  - **Email:** academicplanning@sac.edu

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**Course Registration:**

- **Pre-registration:**
  - Visit the Registrar's Office or go online to [rsccd.blackboard.com](http://rsccd.blackboard.com)
  - Log in to your Blackboard account using your student ID and password
  - Access the course catalog and register for classes

---

**Important Dates:**

- **Last Day to Add:**
  - 01/13/23
- **Last Day to Withdraw:**
  - 01/27/23
- **Last Day to Change Instr. Plan:**
  - 02/01/23
- **Last Day to Change Schedule:**
  - 02/01/23
- **Last Day to Change Location:**
  - 02/01/23
- **Last Day to Change Dates:**
  - 02/01/23

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**Contact:**

- **Instructor:**
  - For course inquiries and registration questions, contact your instructor via email:
    - [beyer_dennis@rsccd.blackboard.com](mailto:beyer_dennis@rsccd.blackboard.com)
    - [bassett_deborah@rsccd.blackboard.com](mailto:bassett_deborah@rsccd.blackboard.com)
    - [hicks_dianne@rsccd.blackboard.com](mailto:hicks_dianne@rsccd.blackboard.com)
    - [coyne_charles@rsccd.blackboard.com](mailto:coyne_charles@rsccd.blackboard.com)
    - [valdez_susanne@sac.edu](mailto:valdez_susanne@sac.edu)
    - [valdez_susanne@sac.edu](mailto:valdez_susanne@sac.edu)
    - [valdez_susanne@sac.edu](mailto:valdez_susanne@sac.edu)
    - [valdez_susanne@sac.edu](mailto:valdez_susanne@sac.edu)
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### KINESIOLOGY AEROBIC FITNESS

**KINESIOLOGY AEROBIC FITNESS 144, CROSS TRAINING** 0.5 UNIT

This class will be comprised of aerobic classes designed to introduce the student to the concept of cross training and trying different work-outs. The class will be divided into four sections, cardio boxing, step aerobics, weight training and flexibility work-outs.

<table>
<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>83323</td>
<td>8:15a-10:00a</td>
<td>M Tu W Th F</td>
<td>Luppani M</td>
<td>SAC G-105</td>
<td>01/06-01/31</td>
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<tr>
<td>83325</td>
<td>10:30a-12:15p</td>
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<td>Breig D</td>
<td>SAC G-105</td>
<td>01/06-01/31</td>
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<tr>
<td>83327</td>
<td>1:00p-2:45p</td>
<td>M Tu W Th F</td>
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<td>SAC G-120</td>
<td>01/06-01/31</td>
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<tr>
<td>83390</td>
<td>1:30p-3:15p</td>
<td>M Tu W Th F</td>
<td>Sneddon D</td>
<td>SAC G-115</td>
<td>01/06-01/31</td>
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</tbody>
</table>

### KINESIOLOGY HEALTH EDUCATION

**KINESIOLOGY HEALTH EDUCATION 101, HEALTHFUL LIVING** 3.0 UNITS

A comprehensive look at factors that impact people’s health, longevity and lifetime wellness. Areas covered will be personal fitness, nutrition, drugs, alcohol and tobacco, AIDS and sexually transmitted diseases and degenerative diseases including cancer, heart disease, strokes and diabetes.

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<thead>
<tr>
<th>SECTION</th>
<th>TIME</th>
<th>DAY</th>
<th>INSTRUCTOR</th>
<th>LOCATION</th>
<th>DATES</th>
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</thead>
<tbody>
<tr>
<td>83390</td>
<td>9:00a-11:00a</td>
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### MANUFACTURING TECHNOLOGY

**MANUFACTURING TECHNOLOGY 011, BASIC MECHANICAL BLUEPRINT READING** 2.0 UNITS

Reading and interpreting blueprints for manufacturing technologies. (Same as Engineering 011.)

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### MATHEMATICS

#### MATHEMATICS COURSE ICONS

Students will be required to use the internet for this course. Assignments and/or quizzes submitted via the internet.

**TI-84+ Recommended**

#### MATHEMATICS N06, ESSENTIAL MATHEMATICS

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

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

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#### MATHEMATICS N48, PRE-ALGEBRA/ALGEBRA BASICS

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

Prerequisite: Mathematics N05C or N06 with a grade of C or better or placement into Mathematics N48 on the Math Level 1 Exam and a course equivalent to Mathematics N05 or N06.

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#### MATHEMATICS 060, ELEMENTARY ALGEBRA

A first course in algebra which includes solutions and applications of first and second degree equations, geometric concepts, graphs, inequalities, exponents, polynomials, and algebraic fractions.

Prerequisite: Mathematics N48 with a grade of C or better, or placement into mathematics N060 on the mathematics level 1 or 2 placement exam and a course equivalent to Mathematics N486 or N47 (all four units).

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#### MATHEMATICS 080, INTERMEDIATE ALGEBRA

4.0 UNITS

Systems of equations: inequalities, graphs and functions; radicals, quadratic polynomials, rational expressions; exponential and logarithmic functions, problem solving.

Prerequisite: Mathematics 060 or 061 with a grade of C or better; or placement into Math 080 on the Mathematics level 2 placement exam and a course equivalent to Mathematics 060 or 061.

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#### MATHEMATICS 103, TRIGONOMETRY

4.0 UNITS

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

Prerequisite: Both Mathematics 070 and 080 or 081 with a grade of C or better; or placement in Mathematics 160 with the Mathematics Level 3 Exam and courses equivalent to Mathematics 070 and 080 or 081.

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#### MATHEMATICS 170, PRE-CALCULUS MATHEMATICS

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

Prerequisite: Mathematics 160 with a grade of C or better or equivalent skills as measured by the Math Level 4 Exam and a course equivalent to Mathematics 160.

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#### MATHEMATICS 180, ANALYTIC GEOMETRY AND CALCULUS

4.0 UNITS

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

Prerequisite: Mathematics 170 (Precalculus) with a grade of C or better or equivalent skills as measured by the Math Level 4 Exam and a course equivalent to Mathematics 170.

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#### MATHEMATICS 219, STATISTICS AND PROBABILITY

4.0 UNITS

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

Prerequisite: Mathematics 080 or 081 with a grade of C or better or placement into Mathematics 219 on the Mathematics Level 3 placement Exam and a course equivalent to Mathematics 080 or 081.

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### MEDICAL ASSISTANT

**MEDICAL ASSISTANT 020, BLOODBORNE AND AIRBORNE PATHOGEN STANDARDS** 0.5 UNIT

Prerequisite: Presentation of California Occupational Safety and Health Act (Cal-OSHA) Bloodborne and Airborne Pathogens for occupational at-risk exposure to hepatitis, HIV-AIDS and Tuberculosis including compliance requirements, exposure control measures, exposure determination, protective equipment, and post exposure practices.

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### NURSING-REGISTERED

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

Emphasizes development of the registered nurse including role, communication, nursing process, legal and ethical concepts, dimensional analysis, test taking strategies, the Santa Ana Conceptual Framework for Nursing, nutrition and medical terminology. Completion required prior to entry into Nursing-Registered 101/102/102L.

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

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PHILOSOPHY

PHILOSOPHY 100, INTRODUCTION TO PHILOSOPHY
3.0 UNITS
A survey of historical and contemporary ideas on how to live the good life.
83525 9:00a-12:20p M Tu W Th Broccato C SAC D-304 01/06-01/30

PHILOSOPHY 110, CRITICAL THINKING
4.0 UNITS
College-level critical thinking and writing. Promotes self-awareness, independent thinking, and improved academic expression. Examines philosophical methods of reasoning and composition, and the uses of informal logic in everyday life, college, and democratic society.
Prerequisite: English 101 or 101H with a grade of C or better
82913 9:00a-1:30p M Tu W Th Fish Z SAC D-109 01/06-01/30

PHOTOGRAPHY

PHOTOGRAPHY 180, BEGINNING PHOTOGRAPHY
3.0 UNITS
This course teaches students with an introduction to visual concepts, basic image capture and post-processing functions with digital cameras. Software basics for photographic imaging and digital printing, along with digital printing will be taught.

Material Fee(s): $15.00
82787 4:00p-6:10p M Tu W Th Goytia-Galvan Y SAC-A-219 01/06-01/30
82916 6:00p-9:20p M Tu W Th Murphy T SAC-D-106 01/06-01/30
83547 6:00p-9:20p M Tu W Th Cargile I SAC-D-107 01/06-01/30

POLITICAL SCIENCE

POLITICAL SCIENCE 101, INTRODUCTION TO AMERICAN GOVERNMENTS
3.0 UNITS
Study of United States national government and California state and local governments. Satisfies graduation requirement for American institutional degree and state requirements for California state government.
82915 8:00a-11:20p M Tu W Th Andrade P SAC-D-105 01/06-01/30
83546 9:00a-12:20p M Tu W Th Staff SAC-A-107 01/06-01/30
82916 6:00p-9:20p M Tu W Th Murphy T SAC-D-106 01/06-01/30
83547 6:00p-9:20p M Tu W Th Cargile I SAC-D-107 01/06-01/30

PSYCHOLOGY

PSYCHOLOGY 100, INTRODUCTION TO PSYCHOLOGY
3.0 UNITS
An introduction to the major theories, methods, concepts, ethical issues, and findings in the major fields in psychology including but not limited to: research methods, biological bases of behavior, perception, learning, memory, cognition, emotion, motivation, development, personality, social, and abnormal psychology.
82917 9:00a-12:20p M Tu W Th Pedrosa J SAC-D-434 01/06-01/30
83550 9:00a-12:20p M Tu W Th Castillo R SAC-A-109 01/06-01/30
82918 6:00p-9:20p M Tu W Th Murphy T SAC-D-106 01/06-01/30
83551 6:00p-9:20p M Tu W Th Staff SAC-A-109 01/06-01/30

PSYCHOLOGY 200, INTRODUCTION TO BIOLOGICAL PSYCHOLOGY
3.0 UNITS
Explores relationships between physiological structures of the body and human behavior. Focuses on the operation 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.
83257 9:00a-12:20p M Tu W Th Ortiz F SAC-D-106 01/06-01/30

READING

READING 150, CRITICAL READING
3.0 UNITS
This course addresses the relationship between critical reading and critical thinking, including emphasis on the development of critical reading and thinking skills that facilitate the interpretation, analysis, criticism, and advocacy of ideas encountered in academic reading. Completion of or concurrent enrollment in English 101 is recommended.
82919 9:00a-12:20p M Tu W Th Gilreath G SAC-D-309 01/06-01/30

SIGN LANGUAGE

SIGN LANGUAGE 110, AMERICAN SIGN LANGUAGE I
3.0 UNITS
This introductory course is designed to introduce students to American Sign Language (ASL) and finger spelling as it is used within American Deaf culture. Instruction includes preparation for visual/aural comprehension and oral proficiency including: comprehension of vocabulary, grammar, and syntax. Includes use of technology. (Same as MatSci 219.)
Prerequisite: Mathematics 080/081 or 140 with a grade of C or better or equivalent skills as measured by the Math Level 3 Exam and a course equivalent to Mathematics 080/081 or 140.
83308 9:30a-12:40p M Tu W Th Collins M SAC-I-206 01/06-01/30
83309 1:00p-4:10p M Tu W Th Carreiro J SAC-I-206 01/06-01/30

SOCIAL SCIENCE

SOCIAL SCIENCE 219, STATISTICS AND PROBABILITY
4.0 UNITS
Beginning course in statistics. Includes descriptive statistics, graphical displays of data, probability, confidence intervals, hypothesis testing, regression, contingency tables, ANOVA, and non-parametric statistics. Includes use of technology. (Same as Mathematics 219.)
Prerequisite: Mathematics 080/081 or 140 with a grade of C or better or equivalent skills as measured by the Math Level 3 Exam and a course equivalent to Mathematics 080/081 or 140.
83108 8:00a-12:25p M Tu W Th F Everett M SAC-H-108 01/06-01/31
83113 12:45p-5:10p M Tu W Th F O’Shea A SAC-H-108 01/06-01/31
83112 5:30p-9:55p M Tu W Th F Elgindi I SAC-H-108 01/06-01/31

WELDING

WELDING 020, WELDING LABORATORY
0.5 UNIT
Independent practice for advanced knowledge and skills development in specific areas of welding. Students furnish own equipment.
83221 1:00p-2:30p M Tu W Th Moreno G SAC-K-101 01/06-01/30

WELDING 025A, INTERMEDIATE ARC WELDING LEVEL I
3.0 UNITS
This course is a design to improve the student’s previously acquired arc welding skills and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1” steel), using the shielded metal arc welding process E-7018 (SMAW).
83221 1:00p-2:30p M Tu W Th Moreno G SAC-K-101 01/06-01/30

WELDING 025A, ADVANCED ARC WELDING LEVEL I
3.0 UNITS
Provides advanced manipulative skills and technical knowledge needed to pass a 1” plate guided bend test required for structural steel certification.
Prerequisite: WELDING 008, satisfactory completion of proficiency exam in arc welding skills, and concurrent enrollment in WELDING 020.
83117 2:45p-5:10p M Tu W Th Moreno G SAC-K-101 01/06-01/30

WELDING 025A, ADVANCED ARC WELDING LEVEL II
3.0 UNITS
Provides advanced manipulative skills and technical knowledge needed to pass a 1” plate guided bend test required for structural steel certification.
Prerequisite: WELDING 008, satisfactory completion of proficiency exam in arc welding skills, and concurrent enrollment in WELDING 020.
83219 2:45p-5:10p M Tu W Th Moreno G SAC-K-101 01/06-01/30
Class Schedule Subject To Change

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

Class Discontinuance Policy

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

Nondiscrimination Policy

The Rancho Santiago Community College District 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, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, 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. Inquiries regarding compliance and/or grievance procedures may be directed to District’s Title IX Officer and/or Section 504/ADA Coordinator.

RSCCD Title IX Officer and Section 504/ADA Coordinator: John Didion, 2523 N. Broadway, Santa Ana, CA 92706, 714-480-7489.

SAC Facilities & Locations

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

SAC Parking

1 Staff Parking
2 – 3 Visitor Parking
4 – 5 Staff Parking
6 – 13 Student Parking (except as posted)

Permit Dispenser ($2.00 for 8 hours)

A complete list of classes available online: sac.edu

INTERSESSION

Schedule Of Classes 2014

January 6, 2014 - February 2, 2014

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