

SANTA ANA COLLEGE

SUMMER 2019

June 17 - August 11



SCHEDULE OF CLASSES



SANTA ANA

COLLEGE

sac.edu

HOW TO APPLY AND REGISTER

NOTE:

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

Summer hours are:

Monday–Thursday, 8:00 am–6:45 pm • Friday, 8:00 am–4:30 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/DSPS/EOPS/CalWORKs/Foster Youth	May 1 - June 16
Athletes	May 2 - June 16
Continuing Students	May 3 - June 16
New/Returning Students	May 20 - June 16
Loss of Priority Registration Students	May 22 - June 16
CAP High School Students	May 23 - 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 may 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 may 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 may 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 may 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: \$293.00 per unit (\$258.00 tuition + \$35.00 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

Student Life and Leadership Fee: \$5.00

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.

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.

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.

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.

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REGISTRATION QUESTIONS?

CALL 714-564-6005

SUMMER SESSION 2019 CALENDAR

5/1/19	Online registration
6/17/19	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
8/11/19	Summer Session ends

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



HONORS COURSES – Look for the HONORS course torch symbol. For more information see prerequisites for that class.



ONLINE CLASSES – Look for the ONLINE class symbol in the schedule



HYBRID CLASSES – Look for the HYBRID class symbol in the schedule.



OFF CAMPUS FIELD TRIPS – Look for the FIELD TRIP symbol for classes that include field trips and read the policy on page B.



OPEN EDUCATIONAL RESOURCES (OER) – Used in replacement of purchased textbooks (zero or low textbook cost).



ZERO TEXTBOOK COST (ZTC) – used in replacement of purchased textbooks (zero textbook cost).

OFF CAMPUS LOCATION:

CJTC Orange County Sheriff's Regional Training Academy
15991 Armstrong Avenue, Tustin

FIRST CLASS MEETING

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Online Counseling Now Available!

www.sac.edu/online_counseling

Academic Planning Questions?

www.sac.edu/online_counseling

CAN'T AFFORD TEXTBOOKS?

Look for the OER  or ZTC  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 class!

CLASSES:

ONLINE & HYBRID CLASSES 2-6

OER & ZTC CLASSES 7-8

Accounting 9

American Sign Language 9

Anthropology 9

Art 9

Astronomy 9

Automotive Technology 9

Biology 10

Business 10

Business Applications 11

Chemistry 11

Chicano Studies 11

Child Development 11

Communication Studies 12

Communications & Media Studies 12

Computer Science 12

Counseling 12

Criminal Justice 13

Criminal Justice Academies 13

Dance 13

Diesel 13

Earth Science 13

Economics 13

Education 13

Emergency Medical Technician 13

Engineering 13

English 14

Fashion Design Merchandising 14

Fire Officer Training 14

Fire Technology 15

French 15

Geography 15

Geology 15

History 15

Kinesiology Activities 15

Kinesiology Aerobic Fitness 16

Kinesiology Aquatics 16

Kinesiology Fitness 16

Kinesiology Health Education 16

Kinesiology Intercollegiate Athletics 16

Kinesiology Professional 17

Law 17

Management 17

Manufacturing Technology 17

Mathematics 17

Medical Assistant 18

Music 18

Nutrition And Food 18

Occupational Studies 18

Paralegal 18

Pharmacy Technology 19

Philosophy 19

Photography 20

Physics 20

Political Science 20

Psychology 20

Reading 20

Sociology 20

Spanish 20

Study Skills 21

TV/Video Communications 21

Theatre Arts 21

Welding 21

SAC MAP/PARKING 22

ONLINE & HYBRID CLASSES

ONLINE COURSES

Students enrolling in Online courses will have the opportunity to complete their course work outside of the classroom, although some classes combine on-site testing with online instruction. Students may access course materials via the Internet either at home or using an on campus computer.

HYBRID (BLENDED) COURSES

Hybrid (blended) courses are courses that combine face-to-face classroom instruction with online learning. Students will have required instructional on-campus meetings. On campus required meeting dates, time and place, and instructor contact information can be found on WebAdvisor <http://webadvisor.rscgd.edu>

Important Notes for both Online/Hybrid courses:

- Access to courses will be available on the first day of classes.
- Students on wait lists must email the instructor the first week of class to be considered for enrollment.
- It is extremely important that your email address is current WebAdvisor.
- Please contact the Distance Education Office if you are unable to login to access your Canvas course(s) at 714-564-6725 or by email: sac_disted@sac.edu

- Information regarding online learning, Canvas help and Frequently Asked Questions can be found at our website: www.sac.edu/disted
- On campus required meeting dates, time and place, and instructor contact information can be found on WebAdvisor sac.edu/webadvisor

ACCESS REQUIREMENTS

Santa Ana College uses Canvas as the course access tool for online and hybrid courses.

Students log on to: rscgd.instructure.com to access Canvas using their WebAdvisor account.

Online and Hybrid courses require students to have:

1. Access to a computer with an Internet connection
Internet access is available to students in the Academic Computing Center, located in the Cesar Chavez Building (A-106) and the SAC Nealley Library
2. An email account
3. Basic computer skills
4. Online Orientation Completion
Complete the orientation before you take an Online or Hybrid course
Log on to our college Canvas site and follow the directions to complete the Student Online Orientation

COURSE	SECTION	TITLE	UNITS	START – END	TYPE	OER	ZTC	FACULTY	EMAIL
ACCT-035	67928	QuickBooks I	2	06/17 – 08/11				McCallick, M	mccallick_mark@sac.edu
ACCT-101	67938	Financial Accounting	4	06/17 – 08/11				Wilson, S	wilson_stephen@sccollege.edu
Requires 2 proctored exams									
ACCT-102	67948	Managerial Accounting	4	06/17 – 08/11				Strong, J	strong_john@sac.edu
Requires 2 proctored exams on campus									
ART-100	68010	Introduction to Art Concepts	3	07/17 – 07/28				Redfield, M	redfield_michael@sac.edu
ART-100	68011	Introduction to Art Concepts	3	07/15 – 08/11				Monroe, J	monroe_jennifer@sac.edu
ART-100	68012	Introduction to Art Concepts	3	06/17 – 07/28				Fosmire, E	fosmire_edward@sac.edu
Registration open for all students.									
ART-100	68013	Introduction to Art Concepts	3	06/17 – 07/28				Fosmire, E	fosmire_edward@sac.edu
ART-100	74198	Introduction to Art Concepts	3	06/17 – 08/11				Monroe, J	mionroejennifer@sac.edu
ART-107	68015	History of Animation	3	07/15 – 08/11				Kumar, A	kumar_annapurna@sac.edu
BA-035	67989	Computer Fundamentals	1.5	06/17 – 08/11				Morgan, A	morgan_adam@sac.edu
BA-110A	67990	Computer Keyboarding Skills	1	06/17 – 08/11				Skaggs, T	Skaggs_timothy@sac.edu
BA-147	67995	Introduction to Windows	1.5	06/17 – 08/11				Morgan, A	morgan_adam@sac.edu
BA-163	67996	Adobe Acrobat	3	06/17 – 08/11				Dumon, D	dumon_dori@sac.edu
BA-179	73416	Introduction to Microsoft Office	3	06/17 – 08/11				Morgan, A	morgan_adam@sac.edu
BA 188	73417	Microsoft Excel	2	06/17 – 08/11				Nguyen, T	nguyen_thao@sac.edu
BIOL-109	67562	Fundamentals of Biology	3	06/17 – 08/11				Morris, A	morris_kimo@sac.edu
BIOL-109	67563	Fundamentals of Biology	3	06/17 – 08/11				Morris, A	morris_kimo@sac.edu
BIOL-109	67564	Fundamentals of Biology	3	06/17 – 08/11				Reynaga, D	reynaga_daisy@sac.edu
BIOL-109	67565	Fundamentals of Biology	3	06/17 – 08/11				Reynaga, D	reynaga_daisy@sac.edu
BUS-100	67855	Fundamentals of Business	3	06/17 – 08/11				Carr, B	carr_brennan@sac.edu
BUS-101	67587	Business Law	3	06/17 – 08/11				Manzano, F R	manzano_rick@sac.edu
BUS-105	67588	Legal Environment of Business	3	06/17 – 08/11				Manzano, F R	manzano_rick@sac.edu

Students are required to log on to Canvas on the first day of classes: rscgd.instructure.com



Online instruction. No on-campus meeting times.



Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials.



Online instruction. Some on-campus meetings.



There is no additional textbook cost for this ZTC class.

COURSE	SECTION	TITLE	UNITS	START – END	TYPE	OER	ZTC	FACULTY	EMAIL
BUS-105	67589	Legal Environment of Business	3	06/17 – 08/11				Robinson, K	robinson_kristen@sac.edu
BUS-120	67861	Principles of Management	3	06/17 – 08/11				Shweiri, G	shweiri_gabriel@sac.edu
BUS-130	67949	Personal Finance	3	06/17 – 08/11				Strong, J	strong_john@sac.edu
BUS-222	67865	Business Writing	3	06/17 – 08/11				Furlong, E	furlong_eric@sac.edu
CDEV-107	67607	Child Growth & Development	3	06/17 – 07/28				Hardy, M	hardy_michelle@sac.edu
CDEV-107	67608	Child Growth & Development	3	06/17 – 07/28				Kimmel, M	kimmel_michelle@sac.edu
CDEV-107	67609	Child Growth & Development	3	06/17 – 08/11				Naman, T	naman_trudy@sac.edu
CDEV-107	67610	Child Growth & Development	3	06/17 – 07/28				Hardy, M	hardy_michelle@sac.edu
CDEV-107	73385	Child Growth & Development	3	06/17 – 08/11				Navarro, M	navarro_maria@sac.edu
Mandatory on-campus meetings on Tues, 06/18, 06/25, 07/02, 07/09, 07/16, 07/23, 07/30, 08/06, 6:00p-9:00p, SAC V-150									
CDEV-108	67616	Observation and Assessment for	3	06/17 – 07/28				Seneviratne, A	seneviratne_anushi@sac.edu
Mandatory on-campus meetings on Wed, 06/19, 06/26, 07/03, 07/10, 07/17, 07/24, 6:30p-9:00p, SAC V-151.									
CDEV-110	67613	Child, Family, and Community	3	06/17 – 07/14				Funaoka, M	funaoka_mary@sac.edu
Mandatory on-campus meeting on Th, 06/20, 06/27, 07/11, 9:00a-12:00p, SAC V-151.									
CDEV-110	67614	Child, Family, and Community	3	06/17 – 08/11				Funaoka, M	funaoka_mary@sac.edu
CDEV-110	67615	Child, Family, and Community	3	06/17 – 08/11				Funaoka, M	funaoka_mary@sac.edu
CDEV-110	67794	Child, Family, and Community	3	06/17 – 08/11				Funaoka, M	funaoka_mary@sac.edu
Mandatory on-campus meetings on Thurs, 06/20, 06/27, 07/11, 6:00p-9:00p, SAC V-150.									
CDEV-112	67617	Health, Safety & Nutrition for Children	3	06/17 – 07/28				Hardy, M	hardy_michelle@sac.edu
CDEV-112	67618	Health, Safety & Nutrition for	3	06/17 – 07/28				Hardy, M	hardy_michelle@sac.edu
CDEV-200	67775	Introduction to Technology in	3	06/17 – 07/14				Naman, T	naman_trudy@sac.edu
Mandatory on-campus meetings on Mon, 06/17, 06/24, 07/01, 07/08, 1:00p-4:00p, SAC T-203-1.									
CDEV-205	67792	Introduction to Children With	3	06/17 – 07/28				Kimmel, M	kimmel_michelle@sac.edu
CDEV-205	73386	Introduction to Children With	3	06/17 - 07/28				Kimmel, M	kimmel_michelle@sac.edu
CDEV-210	67795	Creative Music Experiences for	2	06/17 – 08/11				Lamourelle, C	lamourelle_chantal@sac.edu
Mandatory on-campus meetings on Tues, 06/18, 06/25, 07/02, 07/09, 07/16, 07/23, 07/30, 08/06 – 6:00p-9:00p, V-151									
CDEV-221	67791	Living and Teaching in a Diver	3	06/17 – 07/28				Seneviratne, A	seneviratne_anushi@sac.edu
Mandatory on-campus meetings on Mon, 06/17, 06/24, 07/01, 07/08, 07/15, 07/22, 6:00p-9:00p, SAC V-151.									
CDEV-229	67796	Brain Development & Learning	2	06/17 – 08/11				Lamourelle, C	lamourelle_chantal@sac.edu
CDEV-232	67797	Math and Science Methods for E	2	06/17 – 07/14				Kimmel, M	kimmel_michelle@sac.edu
Mandatory on-campus meetings on Tues, 06/18, 06/25, 07/02, 07/09 9:00a-12:00p, SAC V-151.									
CHEM-109	67351	Chemistry in the Community	4	06/17 – 08/11				Jenkins, C	crystal_jenkins@sac.edu
Material Fee: A lab kit will need to be purchased from www.eScienceLabs.com.									
CHEM-109	67352	Chemistry in the Community	4	06/17 – 08/11				Jenkins, C	crystal_jenkins@sac.edu
Material Fee: A lab kit will need to be purchased from www.eScienceLabs.com.									
CMPR-100	67983	The Computer & Society	3	06/17 – 08/11				Hester, B	hester_becky@sac.edu
CMST-101	68046	Introduction to Interpersonal	3	06/17 – 07/28				Pierce, C	pierce_cathryn@sac.edu
CMST-101	68047	Introduction to Interpersonal	3	06/17 – 07/28				Pierce, C	pierce_cathryn@sac.edu
CMST-101	68048	Introduction to Interpersonal	3	06/17 – 07/28				Cummings, R	cummings_reyna@sac.edu
CMST-101	68048	Introduction to Interpersonal	3	06/17 – 08/09				Saterfield, K	saterfield_kalonji@sac.edu

Students are required to log on to Canvas on the first day of classes: rsccd.instructure.com

	Online instruction. No on-campus meeting times.		Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials.
	Online instruction. Some on-campus meetings.		There is no additional textbook cost for this ZTC class.

COURSE	SECTION	TITLE	UNITS	START – END	TYPE	OER	ZTC	FACULTY	EMAIL
CNSL-116	66846	Career/Life Planning & Personal Exploration	3	06/17 – 08/11				Nguyen, T	nguyen_van@sac.edu
CNSL-116	66848	Career/Life Planning & Personal Exploration	3	06/17 – 08/11				Nguyen, T	nguyen_van@sac.edu
CNSL-116	66856	Career/Life Planning & Personal Exploration	3	06/17 – 08/11				Macintyre, M	macintyre_michelle@sac.edu
CNSL-144	70474	Reasoning and Problem Solving	3	06/17 – 07/14				Macintyre, M	macintyre_michelle@sac.edu
CNSL-150	68522	Introduction to Human Services	3	06/17 – 08/11				Robledo, J	campos_joanna@sac.edu
ENGL-101	66497	Freshman Composition	4	06/17 – 07/28				Axtell, C	axtell_christina@sac.edu
Mandatory on-campus meetings on Wednesday, 6/19, 7/3, 7/17, 7/24, 4:30p-6:50p, SAC D-109.									
ENGL-101	66502	Freshman Composition	4	07/15 – 08/11					
Mandatory on-campus meetings on Monday, 3:00p-4:50p, SAC D-108.									
ENGL-101	66503	Freshman Composition	4	06/17 – 07/14				Rocke, B	rocke_brandon@sac.edu
Mandatory on-campus meetings on Thursday, 10:00p-12:20p, SAC D-206									
ENGL-101	68123	Freshman Composition	4	06/17 – 07/14				Ramshaw, C	ramshaw_charles@sac.edu
Mandatory on-campus meetings on Monday, 6/17, 6/24, 7/1, 7/8, 3:00p-4:50p, SAC D-303.									
ENGL-102	66509	Literature and Composition	4	07/15 – 08/11					
Mandatory on-campus meetings on Monday, 5:00p-6:50p, SAC D-108.									
ENGL-102	68119	Literature and Composition	4	06/17 – 07/14				Ramshaw, C	ramshaw_charles@sac.edu
Mandatory on-campus meetings on Monday, 6/17, 6/24, 7/1, 7/8, 5:00p-6:50p, SAC D-303.									
ENGL-103	66515	Critical Thinking and Writing	4	07/1 – 08/11				Beyersdorf, M	beyersdorf_matthew@sac.edu
Mandatory on-campus meetings on Monday, 7/1, 7/8, 7/29, 8/5, 10:00a-11:50a, SAC D-201.									
ENGL-270	66521	Children's Literature	3	06/17 – 07/28				Axtell, C	axtell_christina@sac.edu
Mandatory on-campus meetings on Monday, 6/17, 7/1, 7/15, 7/22, 5:00p-6:50p, SAC D-206.									
ERTH-110	67582	Introduction to Earth Science	3	06/17 – 07/28				Coyne, C	coyne_claire@sac.edu
ERTH-110	67583	Introduction to Earth Science	3	06/17 – 07/28				Coyne, C	coyne_claire@sac.edu
FDM-103	73387	Fashion Selection	3	06/17 – 08/11				Libolt, R	libolt_rachael@sac.edu
GEOG-100	66394	World Regional Geography	3	06/17 – 07/28				Conley, J	conley_john@sac.edu
GEOG-102	66396	Cultural Geography	3	06/17 – 07/28				Conley, J	conley_john@sac.edu
KNAC-123	67902	Personal Fitness Training	1	06/17 – 08/11				Jones, G	jones_geoff@sac.edu
KNAC-123	67915	Personal Fitness Training	1	06/17 – 08/11				Jones, G	jones_geoff@sac.edu
KNAC-123	73998	Personal Fitness Training	1	06/17 – 08/11				Jones, G	jones_geoff@sac.edu
KNAC-123	74002	Personal Fitness Training	1	06/17 – 08/11				Breig, D	breig_david@sac.edu
KNHE-103	68102	Healthful Living	3	06/17 – 08/11				Breig, D	breig_david@sac.edu
KNHE-103	68103	Healthful Living	3	07/15 – 08/11				Breig, D	breig_david@sac.edu
KNHE-103	68104	Healthful Living	3	06/17 – 07/28				Nyssen A	nyssen_adam@sac.edu
KNHE-102	67954	Women's Health Issues	3	06/17 – 07/14				Nutter, K	nutter_kim@sac.edu
KNHE-102	67955	Women's Health Issues	3	07/15 – 08/11				Nutter, K	nutter_kim@sac.edu
KNHE-104	67774	Nutrition and Fitness	2	06/17 – 08/11				Abbey, T	abbey_troy@sac.edu
KNHE-104	67805	Nutrition and Fitness	2	07/15 – 08/11				Abbey, T	abbey_troy@sac.edu
KNPR-101	72185	Introduction to Kinesiology	3	06/17 – 07/28				Sos, B	sos_brian@sac.edu
KNPR-125	67932	Sport Psychology	3	06/24 – 08/04				Luppani, M	luppani_flo@sac.edu
KNPR-150	67940	Sport and Society	3	06/24 – 08/04				Luppani, M	luppani_flo@sac.edu

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KNPR-170	67923	Sport Ethics	3	06/17 – 08/11				Luppini, M	luppini_flo@sac.edu
LAW-100	67592	Introduction to Legal Studies	3	06/17 – 08/11				Robinson, K	robinson_kristen@sac.edu
Mandatory meetings on every Tuesday and Thursday.									
MA-051A	67602	Beginning Medical Terminology	3	07/15 – 08/11				Emley, C	emley_catherine@sac.edu
MA-051B	67603	Advanced Medical Terminology	3	07/15 – 08/11				Emley, C	emley_catherine@sac.edu
MA-056	67599	Computer Applications for the	3	06/17 – 07/14				Seitz, C	seitz_carol@sac.edu
Mandatory meeting on 6/17/19, 5:00p-9:00p, SAC R-303-1.									
MATH-083	67531	Beginning and Intermediate Algebra for Liberal Arts and Social Science	6	06/17 – 07/28				Everett, M	everett_mike@sac.edu
On-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC H-109. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com									
MATH-083	67533	Begin & Inter Alg. for Liberal	6	06/17 – 07/28				Vu, D	vu_dahlia@sac.edu
On-campus exam meeting times: Fri. 7/05 and 7/26, 4:00p-6:00p, SAC H-107. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com.									
MATH-084	67536	Beginning and Intermediate Algebra	6	06/17 – 07/28				Solheid, C	solheid_christa@sac.edu
On-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC L-203. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com.									
MATH-140	67541	College Algebra	4	06/17 – 07/28				Bradley, K	bradley_kyle@sac.edu
On-campus exam meetings: week of 7/1 in the Assessment Center and Thur. 7/25, 4:00p-6:00pin SAC H-104. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com. There is only a \$10 material fee. .									
MATH-140	67542	College Algebra	4	06/17 – 07/28				McKowan-Bourguignon, L	mckowan_lisa@sac.edu
On-campus meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur.7/25, 4:00p-6:00p in SAC R-124. Students are required to log onto Canvas, read course documents and complete first day assignments no later than 6/17/2019:rscdd.instructure.com. There is only a \$10 material fee. .									
MATH-140	67543	College Algebra	4	06/17 – 07/28				McKowan-Bourguignon, L	mckowan_lisa@sac.edu
On-campus meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur.7/25, 4:00p-6:00p in SAC R-124. Students are required to log onto Canvas, read course documents and complete first day assignments no later than 6/17/2019:rscdd.instructure.com. There is only a \$10 material fee. .									
MATH-219	67555	Statistics & Probability	4	06/17 – 07/28				Sweeney, G	sweeney_george@sac.edu
On-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC R-113. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com. There is only a 410 material fee.									
MATH-219	67556	Statistics & Probability	4	06/17 – 07/28				Tolentino, J	tolentino_justin@sac.edu
On-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC H-105. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019:r scdd.instructure.com. There is only a \$10 material fee. .									
MATH-219	67557	Statistics & Probability	4	06/17 – 07/28				Romero, M	romero_martin@sac.edu
On-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thurs. 7/25, 4:00p-6:00p, SAC R-114. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com.									
MATH-219	67558	Statistics & Probability	4	06/17 – 07/28				Romero, M	romero_martin@sac.edu
On-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thurs. 7/25, 6:15p-8:15p, SAC R-114. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com.									
MGMT-120	67870	Principles of Management	3	06/17 – 08/11				Shweiri, G	shweiri_gabriel@sac.edu
MGMT-122	67868	Business Communications	3	06/17 – 08/11				Furlong, E	furlong_eric@sac.edu
MUS-101	67779	Music Appreciation	3	06/17 – 07/28				Jones, E	jones_elliott@sac.edu
Registration open for all students.									
MUS-101	67780	Music Appreciation	3	06/17 – 07/28				Luevano, R	luevano_ryan@sac.edu
There is only a \$10 material fee.									
MUS-103	67782	Jazz in America	3	06/17 – 07/28				Briones, M	briones_michael@sac.edu
NUTR-115	67826	Nutrition	3	06/17 – 08/11				Rickrode, T	rickrode_taylor@sac.edu
NUTR-115	67827	Nutrition	3	06/17 – 08/11				Rickrode, T	rickrode_taylor@sac.edu

Students are required to log on to Canvas on the first day of classes: rscdd.instructure.com

	Online instruction. No on-campus meeting times.		Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials.
	Online instruction. Some on-campus meetings.		There is no additional textbook cost for this ZTC class.

COURSE	SECTION	TITLE	UNITS	START – END	TYPE	OER	ZTC	FACULTY	EMAIL
OS-403	67812	Leadership for the Occupational Therapy Assistant	2	06/17 – 07/28				Parolise, M	parolise_michelle@sac.edu
PARA-100	67594	The Paralegal Profession	3	06/17 – 08/11				Robinson, K	robinson_kristen@sac.edu
Mandatory meetings on every Tuesday and Thursday.									
PARA-101	67595	Law Office Management	2	06/17 – 08/11				Manzano, F	manzano_rick@sac.edu
PARA-121	67597	Ethics and Professional Responsibility	2	06/17 – 08/11				Manzano, F	manzano_rick@sac.edu
PHIL-108	66544	Ethics	3	06/17 – 08/11				Fish, Z	fish_zachary@sac.edu
PHIL-110	66547	Critical Thinking	4	06/17 – 07/28				Fish, Z	fish_zachary@sac.edu
PSYC-100	66561	Introduction to Psychology	3	06/17 – 07/26				Castillo, R	castillo_ricardo@sac.edu
PSYC-100	66563	Introduction to Psychology	3	06/17 – 07/21				Ortiz, R	ortiz_rebecca@sac.edu
PSYC-157	66568	Introduction to Child Psychology	3	06/17 – 07/12				Ortiz, R	ortiz_rebecca@sac.edu
PSYC-210	66569	Statistics for the Behavioral Sciences	4	06/17 – 07/26				Castillo, R	castillo_ricardo@sac.edu
PSYC-240	66572	Introduction to Social Psychology	3	06/17 – 07/28				Ortiz, R	ortiz_rebecca@sac.edu
PSYC-250	66574	Introduction to Abnormal Psych	3	06/17 – 07/26				Castillo, R	castillo_ricardo@sac.edu
READ-150	66578	Critical Reading	3	06/17 – 08/11				Gilreath, G	gilreath_genice@sac.edu
SOC-100	66402	Introduction to Sociology	3	06/17 – 07/28				O'Dell, R	odell_rene@sac.edu
Mandatory on-campus meetings on Thursday, 5:30p-6:50p, SAC D-213.									
SOC-112	66404	Relationships, Marriages, and Family Dynamics	3	06/17 – 08/11				O'Dell, R	odell_rene@sac.edu
SOC-112	66405	Relationships, Marriages, and	3	06/17 – 08/11				O'Dell, R	odell_rene@sac.edu
SPAN-101	66580	Elementary Spanish I	5	06/17 – 07/28				Galvan, J	galvan_javier@sac.edu
Online instruction plus 5 mandatory on-campus meetings on Monday, 6/17, 6/24, 7/8, 7/15, 7/22, 10:00a-12:30p, SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials.									
SPAN-101	66582	Elementary Spanish I	5	06/17 – 07/28				Galvan, J	galvan_javier@sac.edu
Online instruction plus 5 mandatory on-campus meetings on Monday, 6/17, 6/24, 7/8, 7/15, 7/22, 1:00p-3:30p, SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials.									
SPAN-101	66585	Elementary Spanish I	5	06/17 – 07/28				Guerrero-Phlaum, M	guerrero_martha@sac.edu
Online instruction plus 5 mandatory on-campus meetings on Tuesday, 6/18, 6/25, 7/9, 7/16, 7/23, 12:00p-2:30p, SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials.									
SPAN-101	66586	Elementary Spanish I	5	06/17 – 07/28				Lopez-Jaurequi, L	lopez_leticia@sac.edu
Online instruction plus 5 mandatory on-campus meetings on Thursday, 6/20, 6/27, 7/11, 7/18, 7/25, 2:00p-4:30p, SAC D-302. This class requires the book "Mundo 21" with the electronic code for online lab materials.									
SPAN-102	66589	Elementary Spanish II	5	06/17 – 07/28				Guerrero-Phlaum, M	guerrero_martha@sac.edu
Online instruction plus 5 mandatory on-campus meetings on Tuesday, 6/18, 6/25, 7/9, 7/16, 7/23, 9:00a-11:20a, SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials.									
SPAN-102	66590	Elementary Spanish II	5	06/17 – 07/28				Lopez-Jaurequi, L	lopez_leticia@sac.edu
Online instruction plus 5 mandatory on-campus meetings on Thursday, 6/20, 6/27, 7/11, 7/18, 7/25, 2:00p-4:30p, SAC D-302. This class requires the book "Mundo 21" with the electronic code for online lab materials.									
SPAN-102H	66592	Honors Elementary Spanish II	5	06/17 – 07/28				Lopez-Jaurequi, L	lopez_leticia@sac.edu
Online instruction plus 5 mandatory on-campus meetings on Thursday, 6/20, 6/27, 7/11, 7/18, 7/25, 2:00p-4:30p, SAC D-302. This class requires the book "Mundo 21" with the electronic code for online lab materials.									
SPAN 102	73214	Elementary Spanish II	5	06/18 - 07/23				Quintero, E	quintero_eric@sac.edu
STDY-109	66859	College Learning Skills	3	06/17 – 08/11				Robledo, J	campos_joanna@sac.edu
TELV-103	67802	History of Film to 1945	3	06/17 – 08/11				Taylor, M	taylor_michael@sac.edu
A Netflix subscription is required for this course to watch the movies that are not available on YouTube or any other websites.									
TELV-103	74248	History of Film to 1945	3	06/17 – 08/11				Dermody, M	dermody_michael@sac.edu
THEA-100	67998	Introduction to Theatre	3	06/17 – 07/14				Cannon, C	cannon_chris@sac.edu
THEA-105	71970	Theatre History 1	3	06/17 – 07/12				Cannon, C	cannon_chris@sac.edu

Students are required to log on to Canvas on the first day of classes: rscd.instructure.com



Online instruction. No on-campus meeting times.



Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials.



Online instruction. Some on-campus meetings.



There is no additional textbook cost for this ZTC class.

OER & ZTC CLASSES

FREE OR LOW-COST TEXTBOOKS AND COURSE MATERIALS ARE USED IN OER & ZTC CLASSES

- OER & ZTC classes use textbooks and learning materials that can be downloaded, edited and shared, for free or low-cost. Instructors will provide a link to your course material.
- Class materials print copies might be available for a minimal cost at the Don Bookstore. Contact the bookstore for more information.

Open Educational Resources (OER) uses materials that are in the public domain or openly licensed, that can be used for teaching, learning, and research.



Zero Textbook Cost (ZTC) courses eliminate conventional textbook costs by using alternative instructional materials and methodologies, including open educational resources.



COURSE	SECTION	TITLE	UNITS	START - END	OER	ZTC	TYPE	START - END	DAYS	ROOM	FACULTY
ART-100	68011	Introduction to Art Concepts	3	07/15 - 08/11						SAC WEB	Monroe J
ART-100	68012	Introduction to Art Concepts	3	06/17 - 07/28						SAC WEB	Fosmire E
Registration open for all students.											
ART-100	68013	Introduction to Art Concepts	3	06/17 - 07/28						SAC WEB	Fosmire E
BIOL-109	67562	Fundamentals of Biology	3	06/17 - 08/11						SAC WEB	Morris A
BIOL-109	67563	Fundamentals of Biology	3	06/17 - 08/11						SAC WEB	Morris A
BUS-101	67587	Business Law	3	06/17 - 08/11						SAC WEB	Manzano FR
BUS-105	67588	Legal Environment of Business	3	06/17 - 08/11						SAC WEB	Manzano FR
BUS-105	67589	Legal Environment of Business		06/17 - 08/11						SAC WEB	Robinson, K
BUS-130	67949	Personal Finance	3	06/17 - 08/11						SAC WEB	Strong J
BUS-150	67980	Introduction to Information Systems and Applications	3	06/18 - 08/08			LEC	9:35a - 12:55p	Tu Th	A-206	Hester B
BUS-222	67865	Business Writing	3	06/17 - 08/11						SAC WEB	Furlong E
BUS-222	67867	Business Writing	3	06/17 - 08/07			LEC	8:00a - 11:10a	M W	A-108	Furlong E
CDEV-200	67775	Introduction to Technology in Early Childhood Education	3	06/17 - 07/14				1:00p - 4:00p	M	T-203-1	Naman T
Online instruction plus mandatory on-campus meetings on Mon,06/17, 06/24, 07/01, 07/08, 1:00p-4:00p, SAC T-203-1.											
CHEM-109	67351	Chemistry in the Community	4	06/17 - 08/11						SAC WEB	
Material Fee: A lab kit will need to be purchased from www.eScienceLabs.com.											
CHEM-109	67352	Chemistry in the Community	4	06/17 - 08/11						SAC WEB	
Material Fee: A lab kit will need to be purchased from www.eScienceLabs.com.											
CNSL-116	66846	Career/Life Planning & Personal Exploration	3	06/17 - 08/11						SAC WEB	Nguyen, T
CNSL-116	66848	Career/Life Planning & Personal Exploration	3	06/17 - 08/11						SAC WEB	Nguyen, T
CNSL-116	66850	Career/Life Planning & Personal Exploration	3	06/18 - 08/08				8:00a - 11:20a	Tu Th	I-101	Nguyen T
CNSL-116	66855	Career/Life Planning & Personal Exploration	3	06/17 - 08/07				6:00p - 9:10p	M W	I-101	Camarena M
ERTH-110	67582	Introduction to Earth Science	3	06/17 - 07/28						SAC WEB	Coyne C
ERTH-110	67583	Introduction to Earth Science	3	06/17 - 07/28						SAC WEB	Coyne C
KNAC-123	67902	Personal Fitness Training	1	06/17 - 08/11						SAC WEB	Jones G
KNAC-123	67915	Personal Fitness Training	1	06/17 - 08/11						SAC WEB	Jones G
KNHE-101	68102	Healthful Living	3	06/17 - 08/11						SAC WEB	Breig D
KNHE-101	68103	Healthful Living	3	07/15 - 08/11						SAC WEB	Breig D
KNHE-101	68104	Healthful Living	3	06/17 - 07/28						SAC WEB	Nyssen A
KNPR-101	72185	Introduction to Kinesiology	3	06/17 - 07/28						SAC WEB	Sos B
KNPR-125	67932	Sport Psychology	3	06/24 - 08/04						SAC WEB	Luppani M
KNPR-150	67940	Sport and Society	3	06/24 - 08/04						SAC WEB	Luppani M
KNPR-170	67923	Sport Ethics	3	06/17 - 08/11						SAC WEB	Luppani M
LAW-100	67592	Introduction to Legal Studies	3	06/17 - 08/11				11:30a - 1:30p	Tu Th	HYBRID	Robinson, K
Mandatory meetings on every Tuesday and Thursday											
MATH-140	67539	College Algebra	4	06/17 - 07/25			LEC	7:30a - 10:35a	M Tu W Th	H-104	Lechuga J
There is only a \$10 material fee											

Students are required to log on to Canvas on the first day of classes: rsccd.instructure.com



Online instruction. No on-campus meeting times.



Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials.



Online instruction. Some on-campus meetings.



There is no additional textbook cost for this ZTC class.

OER & ZTC CLASSES (continued)

COURSE	SECTION	TITLE	UNITS	START – END	OER	ZTC	TYPE	START – END	DAYS	ROOM	FACULTY
MATH-140	67540	College Algebra	4	06/17 – 07/25			LEC	6:00p – 9:05p	M Tu W Th	H-104	Bradley K
There is only a \$10 material fee.											
MATH-140	67541	College Algebra	4	06/17 – 07/28						SAC WEB	Bradley K
On-campus exam meetings: week of 7/1 in the Assessment Center and Thur. 7/25, 4:00p-6:00pin SAC H-104. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com. There is only a \$10 material fee.											
MATH-140	67542	College Algebra	4	06/17 – 07/28						SAC WEB	McKowan-Bourguignon L
On-campus meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur.7/25, 4:00p-6:00p in SAC R-124. Students are required to log onto Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com. There is only a \$10 material fee.											
MATH-140	67543	College Algebra	4	06/17 – 07/28						SAC WEB	McKowan-Bourguignon L
On-campus meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur.7/25, 4:00p-6:00p in SAC R-124. Students are required to log onto Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com. There is only a \$10 material fee.											
MATH-150	67544	Calculus for Biological, Management and Social Sciences	4	06/17 – 07/25			LEC	6:30p – 10:10p	M Tu W Th	H-109	Mishal A
MATH-219	67555	Statistics & Probability	4	06/17 – 07/28						SAC WEB	Sweeny G
On-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC H-105. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com. There is only a \$10 material fee.											
MATH-219	67556	Statistics & Probability	4	06/17 – 07/28						SAC WEB	Tolentino J
On-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC H-105. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rscdd.instructure.com. There is only a \$10 material fee.											
MGMT-122	67868	Business Communications	3	06/17 – 08/11						SAC WEB	Furlong E
MGMT-122	67911	Business Communications	3	06/17 – 08/07			LEC	8:00a – 11:10a	M W	A-108	Furlong E
MUS-101	67779	Music Appreciation	3	06/17 – 07/28						SAC WEB	Jones E
MUS-101	67780	Music Appreciation	3	06/17 – 07/28						SAC WEB	Luevano R
There is only a \$10 material fee.											
MUS-101	67781	Music Appreciation	3	06/18 – 07/25			LEC	5:30p – 10:20p	Tu Th	N-114	Briones M
There is only a \$10 material fee.											
MUS-103	67782	Jazz in America	3	06/17 – 07/28						SAC WEB	Briones M
NUTR-115	67826	Nutrition	3	06/17 – 08/11						SAC WEB	Rickrode T
NUTR-115	67827	Nutrition	3	06/17 – 08/11						SAC WEB	Rickrode T
PARA-100	67594	The Paralegal Profession	3	06/17 – 08/11				11:30a – 1:30p		HYBRID	
PHIL-108	66544	Ethics	3	06/17 – 08/11						SAC WEB	Fish Z
PHIL-110	66547	Critical Thinking	4	06/17 – 07/28						SAC WEB	Fish Z
PHIL-111	66548	Introductory Logic	4	07/15 – 08/08			LEC	8:00a – 12:15p	M Tu W Th	D-303	Fish Z
PSYC-100	66561	Introduction to Psychology	3	06/17 – 07/26						SAC WEB	Castillo R
PSYC-100	66563	Introduction to Psychology	3	06/17 – 07/21						SAC WEB	Ortiz R
PSYC-157	66568	Introduction to Child Psychology	3	06/17 – 07/12						SAC WEB	Ortiz R
SOC-100	66398	Introduction to Sociology	3	06/17 – 07/24			LEC	8:00a – 12:15p	M W	D-214	Campbell A
SOC-100	66399	Introduction to Sociology	3	06/18 – 08/08			LEC	8:00a – 11:20a	Tu Th	D-213	Torres S
SOC-100	66400	Introduction to Sociology	3	06/17 – 08/07			LEC	6:00p – 9:10p	M W	D-214	Torres S
SOC-112	66403	Relationships, Marriages, and Family Dynamics	3	06/18 – 07/25			LEC	8:00a – 12:35p	Tu Th	D-214	Campbell A
STDY-109	66859	College Learning Skills	3	06/17 – 08/11						SAC WEB	Robledo
TELV-103	67802	History of Film to 1945	3	06/17 – 08/11						SAC WEB	Taylor M
A Netflix subscription is required for this course to watch the movies that are not available on YouTube or any other websites.											
THEA-100	67998	Introduction to Theatre	3	06/17 – 07/14						SAC WEB	Cannon C

Students are required to log on to Canvas on the first day of classes: rscdd.instructure.com



Online instruction. No on-campus meeting times.



Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials.



Online instruction. Some on-campus meetings.



for this ZTC class.

SUMMER 2019 Classes

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES	SECTION	TIME	DAYS	FACULTY	LOCATION	DATES		
ACCOUNTING													
ACCOUNTING 035, QUICKBOOKS I 2.0 UNITS													
<i>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.</i>													
	67928		McCallick M	SAC WEB	06/17-08/11		68013		Fosmire E	SAC WEB	06/17-07/28		
							Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.						
							68008	8:00a-12:35p	Tu Th	Soriano I	SAC C-213	06/18-07/25	
ACCOUNTING 101, FINANCIAL ACCOUNTING 4.0 UNITS						ART 100H, HONORS INTRODUCTION TO ART CONCEPTS 3.0 UNITS							
<i>The study of accounting as an information system, examining why it is important, and how it is used by investors and creditors to make decisions. Coverage includes the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. It also includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics.</i>						<i>Enriched exposure to a study of the visual arts in relation to personal and cultural expression with an emphasis on critical thinking and writing. Fundamentals of visual organization, color theory, terminology, historical art movements and concepts will be studied in a seminar format.</i>							
	67938		Wilson S	SAC WEB	06/17-08/11		68113	10:15a-12:20p	M Tu W Th	Redfield M	SAC I-104	06/17-07/25	
							Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.						
							ART 101, SURVEY OF WESTERN ART HISTORY I: PREHISTORY THROUGH THE MIDDLE AGES 3.0 UNITS						
							<i>The study of art from Prehistory through Middle Ages. Cultures and Civilizations are studied through visual imagery, lecture, class discussion, reading, research, and field trips. Recommended sequence of courses: Art 100, Art 101, Art 102.</i>						
							Recommended Preparation: Completion of or concurrent enrollment in English 101 or English 101H.						
	67946	6:00p-10:15p	M W	Erlandson S	SAC A-209	06/17-08/07		68009	9:00a-11:05a	M Tu W Th	Fosmire E	SAC C-214	06/17-07/25
	68359	6:00p-10:30p	Tu Th	Wilson S	SAC A-211	06/18-08/08		ART 104, MEXICAN AND CHICANO ART HISTORY 3.0 UNITS					
ACCOUNTING 102, MANAGERIAL ACCOUNTING 4.0 UNITS						<i>The history and appreciation of Mexican and Chicano art from the pre-Columbian to the present including the modern murals of Mexico and the United States.</i>							
<i>Study of the use and reporting of accounting data for managerial planning, cost control, and decision making purposes. The course includes broad coverage of concepts, classifications, and behaviors of costs. Topics include cost systems, the analysis and use of cost information, cost-volume-profit analysis, contribution margin, profit planning, standard costs, relevant costs, and capital budgeting.</i>						68014 8:00a-12:15p M W Soriano I SAC C-213 06/17-07/24							
Prerequisite: Accounting 101 with a minimum grade of C.						ART 107, HISTORY OF ANIMATION 3.0 UNITS							
	67948		Strong J	SAC WEB	06/17-08/11		68015		Kumar A	SAC WEB	07/15-08/11		
							Online instruction. No on-campus meeting times.						
	67947	6:00p-10:30p	Tu Th	Phung T	SAC A-209	06/18-08/08		ART 110, TWO-DIMENSIONAL DESIGN 3.0 UNITS					
AMERICAN SIGN LANGUAGE						<i>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.</i>							
AMERICAN SIGN LANGUAGE 110, AMERICAN SIGN LANGUAGE I 4.0 UNITS						68016 9:00a-10:20a M Tu W Th Lierly M SAC C-208 06/17-07/25							
<i>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.</i>						10:30a-1:20p M Tu W Th Lierly M SAC C-208							
	66384	7:30a-10:30a	M Tu W Th	Yingst S	SAC D-103	06/17-07/25		ART 130, INTRODUCTION TO DRAWING 3.0 UNITS					
	66385	10:40a-1:40p	M Tu W Th	Collins M	SAC D-105	06/17-07/25		<i>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.</i>					
	66386	1:50p-4:50p	M Tu W Th	Collins M	SAC D-105	06/17-08/08		68017	9:00a-11:10a	M Tu W Th	Hower T	SAC C-210	06/17-07/11
ANTHROPOLOGY						11:20a-3:50p M Tu W Th Hower T SAC C-210							
ANTHROPOLOGY 100, INTRODUCTION TO CULTURAL ANTHROPOLOGY 3.0 UNITS						ART 195, INTRODUCTION TO DIGITAL MEDIA ARTS 3.0 UNITS							
<i>A cross-cultural survey of the major areas of cultural anthropology including subsistence patterns, economic and political systems, family and kinship, religion, and cultural change. Also includes contemporary issues facing humankind such as the environment, resource depletion, ethnic conflict, globalization, and warfare. Emphasis is on understanding cultural diversity and cultural universals. Field trips may be required.</i>						<i>Foundation-level course designed for graphic designers, artists, photographers, web designers, programmers, and animation artists working in the digital realm. This course includes an overview of industry-standard software, including Adobe Creative Cloud for digital design in montage, vector, layout and time-based media.</i>							
	66377	8:00a-11:10a	M W	Leroy A	SAC I-202	06/17-08/07		68038		Clark S	SAC WEB	06/17-07/14	
	66378	6:00p-9:20p	Tu Th	Plascencia M	SAC D-401	06/17-08/08		Online instruction. No on-campus meeting times.					
ANTHROPOLOGY 101, INTRODUCTION TO PHYSICAL ANTHROPOLOGY 3.0 UNITS						ART 230, INTERMEDIATE DRAWING 3.0 UNITS							
<i>An introduction to humankind's place in nature including evolutionary theory, principles of genetics, primate evolution and behavior, fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes practical application of biological anthropology to human problems.</i>						<i>Continued study in drawing with additional opportunities in graphic expression. Further exploration of media including colored pencils, oil pastel, charcoal, and mixed media. Continuation of composition concepts with emphasis on individual expression.</i>							
	66380	9:00a-12:10p	M W	Robertson M	SAC D-401	06/17-08/07		Prerequisite: Art 130 with a minimum grade of C.					
	66381	9:00a-12:20p	Tu Th	Robertson M	SAC D-401	06/18-08/08		68018	9:00a-11:10a	M Tu W Th	Hower T	SAC C-210	06/17-07/11
	66379	6:00p-9:10p	M W	Leroy A	SAC D-401	06/17-08/07		11:20a-3:50p	M Tu W Th	Hower T	SAC C-210		
ANTHROPOLOGY 101L, PHYSICAL ANTHROPOLOGY LABORATORY 1.0 UNIT						ART 233, ADVANCED DRAWING 3.0 UNITS							
<i>Laboratory exercises and experiments designed to explore and understand the primary areas of physical anthropology: evolutionary theory, principles of genetics, comparative anatomy, physiology, behavior and ecology of vertebrates with an emphasis on nonhuman primates, analysis of fossil evidence for human evolution, human biology and variation, growth and adaptability, and biomedical anthropology. Includes both traditional and virtual laboratory experiences.</i>						<i>To further develop individual graphic expression, students will plan a series of drawing problems to be executed during the semester under the instructor's direction. Exploration of new materials and techniques. Field trips to artists' studios and museums.</i>							
Prerequisite: Anthropology 101 with a minimum grade of C or concurrent enrollment.						Prerequisite: Art 230 with a minimum grade of C or portfolio review.							
	66382	1:00p-4:10p	M W	Robertson M	SAC D-401	06/17-08/07		68019	9:00a-11:10a	M Tu W Th	Hower T	SAC C-210	06/17-07/11
	66383	1:00p-4:20p	Tu Th	Robertson M	SAC D-401	06/18-08/08		11:20a-3:50p	M Tu W Th	Hower T	SAC C-210		
ART						ASTRONOMY							
ART 100, INTRODUCTION TO ART CONCEPTS 3.0 UNITS						ASTRONOMY 109, INTRODUCTION TO THE SOLAR SYSTEM 3.0 UNITS							
<i>A study of the visual arts in relation to both personal and cultural expressions. Fundamentals of visual organization, color theory, terminology, historical art movements and concepts will be studied. Required for art majors.</i>						<i>Surveys history of astronomy, recent research and observations of the planets, moons, and other solar system objects. Exploration of light and gravity to understand formation, properties, and motion of Solar System objects.</i>							
	74198		Monroe J	SAC WEB	06/17-08/11		67266	11:45a-1:55p	M Tu W Th	Staff	SAC R-114	06/17-07/25	
							Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.						
	68010		Redfield M	SAC WEB	06/17-07/28		ASTRONOMY 140, ASTRONOMY LABORATORY 1.0 UNIT						
							<i>Utilizes experimental techniques to explore and comprehend properties and motions of celestial objects. Basic naked-eye, binocular, and small telescope observing techniques will be introduced. Field trips to local planetaria and dark sky locations may be included.</i>						
							Prerequisite: Astronomy 109 or 110 or 110H with a minimum grade of C or concurrent enrollment.						
	68011		Monroe J	SAC WEB	07/15-08/11		67267	2:15p-4:25p	M Tu W Th	Staff	SAC R-328	06/17-07/25	
							Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.						
	68012		Fosmire E	SAC WEB	06/17-07/28		AUTOMOTIVE TECHNOLOGY 102, AUTO ESSENTIALS 3.0 UNITS						
							<i>Intended for automotive majors. Introduction to the primary automotive systems used on modern vehicles. Theory, parts nomenclature, and description of system operation are emphasized.</i>						
							67888	1:00p-4:20p	Tu Th	Sosebee M	SAC J-102	06/18-08/08	
							Online instruction. No on-campus meeting times. Online Degree Pathway course. Registration open for all students. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.						

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
AUTOMOTIVE TECHNOLOGY 122, ELECTRONICS FUNDAMENTALS 5.0 UNITS					
<i>Introduction to the basic operating principles of electrical and electronic devices used in modern vehicles. Hands-on digital multimeter testing is highlighted. Safe and correct use of tools and equipment by students will be emphasized. Students must furnish approved safety glasses.</i>					
67884	7:30a-11:50a	M Tu W Th	Roper D	SAC J-102	06/17-08/08

BIOLOGY

BIOLOGY 109, FUNDAMENTALS OF BIOLOGY 3.0 UNITS					
<i>Principles of biology stressing the relationship of all organisms from anatomical, physiological, and ecological points of view. Includes cell machinery, genetics, reproduction, embryology, animal behavior, botany, ecology, evolution, and human physiology. Concurrent enrollment in Biology 109L recommended. Designed for non-biology majors.</i>					
67562			Morris A	SAC WEB	06/17-08/11
	Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.				
67563			Morris A	SAC WEB	06/17-08/11
	Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources(OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.				
67564			Reynaga D	SAC WEB	06/17-08/11
	Online instruction. No on-campus meeting times.				
67565			Reynaga D	SAC WEB	06/17-08/11
	Online instruction. No on-campus meeting times.				
67275	6:00p-9:20p	Tu Th	Chroman L	SAC R-128	06/18-08/08

BIOLOGY 109L, FUNDAMENTALS OF BIOLOGY LABORATORY 1.0 UNIT					
<i>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.</i>					
Prerequisite: Biology 109 or Biology 109H with a minimum grade of C or concurrent enrollment.					
67570	8:00a-11:10a	M W	Smith D	SAC R-202	06/17-08/07
67571	8:00a-11:20a	Tu Th	Smith D	SAC R-202	06/18-08/08
67568	11:30a-2:50p	Tu Th	Chroman L	SAC R-202	06/18-08/08
67566	11:30a-2:40p	M W	Smith D	SAC R-202	06/17-08/07
67569	3:00p-6:20p	Tu Th	Staff	SAC R-202	06/18-08/08
67567	6:00p-9:10p	M W	Staff	SAC R-202	06/17-08/07

BIOLOGY 191, BIOTECH A: BASIC SKILLS 4.0 UNITS					
<i>This course prepares students for entry-level work in the biotechnology industry by emphasizing the core concepts needed to work effectively in a bioscience laboratory. Topics include laboratory math, basic chemistry of buffers, healthy and safety, metrology and quality control. This course introduces students to standard biotechnology laboratory skills including laboratory measurement, maintenance of an industry standard notebook, preparation and sterilization of solutions, reagents and media, proper use and maintenance of laboratory equipment, adherence to quality control protocols and lab safety regulations, data collection and evaluation, basic separation methods, aseptic technique and documentation.</i>					
67573	9:00a-12:20p	M Tu W Th	Jang C	SAC R-228	06/17-07/12
	1:20p-4:40p	M Tu W Th	Jang C	SAC R-228	

BIOLOGY 197, STEM INTERNSHIP/WORK EXPERIENCE 1.0 - 4.0 UNITS					
<i>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.</i>					
Prerequisite: Successful completion of 10 units from Biotech course series.					
Open Entry / Open Exit					
67572	TBA		Jang C	SAC R-207	06/17-08/11

BIOLOGY 229, GENERAL MICROBIOLOGY 5.0 UNITS					
<i>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.</i>					
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					
67574	9:30a-11:40a	M Tu W Th	Morales D	SAC R-226	06/17-07/25
	12:00p-4:25p	M Tu W Th	Morales D	SAC R-226	

BIOLOGY 239, GENERAL HUMAN ANATOMY 4.0 UNITS					
<i>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.</i>					
67575	8:00a-10:10a	M Tu W Th	Nair A	SAC R-124	06/17-07/25
	10:30a-12:40p	M Tu W Th	Nair A	SAC R-201	
67576	8:00a-10:10a	M Tu W Th	Nair A	SAC R-124	06/17-07/25
	12:50p-3:00p	M Tu W Th	Barrios A	SAC R-201	
67577	8:00a-10:10a	M Tu W Th	Nair A	SAC R-124	06/17-07/25
	3:10p-5:20p	M Tu W Th	Barrios A	SAC R-201	
67578	8:00a-10:10a	M Tu W Th	Nair A	SAC R-124	06/17-07/25
	5:30p-7:40p	M Tu W Th	Staff	SAC R-201	
67579	8:00a-10:10a	M Tu W Th	Nair A	SAC R-124	06/17-07/25
	7:50p-10:00p	M Tu W Th	Carrillo A	SAC R-201	

BIOLOGY 249, HUMAN PHYSIOLOGY 4.0 UNITS					
<i>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.</i>					
Prerequisite: Biology 239 with a minimum grade of C or similar Human Anatomy course.					
67580	3:00p-5:50p	M Tu W	Beltran J	SAC R-114	06/17-07/24
	12:00p-2:50p	M Tu W	Beltran J	SAC R-219	
67581	3:00p-5:50p	M Tu W	Beltran J	SAC R-114	06/17-07/24
	6:00p-8:50p	M Tu W	Sanchez C	SAC R-219	
74247	3:00p-5:50p	M Tu W	Beltran J	SAC R-124	06/17-07/24
	9:00a-11:50a	M Tu W	Beltran J	SAC R-219	

BUSINESS

BUSINESS 100, FUNDAMENTALS OF BUSINESS 3.0 UNITS					
<i>An introduction to the basic fundamentals of business. A survey of marketing, management, production, accounting, finance, and economics and how they interrelate in the business environment.</i>					
	67855		Carr B	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

BUSINESS 101, BUSINESS LAW 3.0 UNITS					
<i>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.</i>					
	67587		Manzano F	SAC WEB	06/17-08/11
	Online Instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.				

BUSINESS 103, COOPERATIVE WORK EXPERIENCE-OCCUPATIONAL EDUCATION-OCCUPATIONAL 1.0 - 4.0 UNITS					
<i>This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.</i>					
Open Entry / Open Exit					
67857	TBA		Manzano M	SAC A-107-4	06/17-08/11
Mandatory meeting with instructor at SAC A-107-4. Contact instructor to schedule, manzano_maggie@ac.edu.					

BUSINESS 104, COOPERATIVE WORK EXPERIENCE-GENERAL EDUCATION-GENERAL 1.0 - 4.0 UNITS					
<i>This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field not related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.</i>					
Open Entry / Open Exit					
67859	TBA		Manzano M	SAC A-107-4	06/17-08/11
Mandatory meeting with instructor at SAC A-107-4. Contact instructor to schedule, manzano_maggie@ac.edu.					

BUSINESS 105, LEGAL ENVIRONMENT OF BUSINESS 3.0 UNITS					
<i>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.</i>					

	67588		Manzano F	SAC WEB	06/17-08/11
	Online Instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.				
	67589		Robinson K	SAC WEB	06/17-08/11
	Online Instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.				
67590	8:00a-11:20a	Tu Th	Staff	SAC A-205	06/18-08/08
67591	6:00p-9:10p	M W	Liang M	SAC A-205	06/17-08/07

BUSINESS 106, CULTURE AND INTERNATIONAL BUSINESS-KISS, BOW OR SHAKE HANDS 3.0 UNITS					
<i>An introduction to different cultures and their effects on international business. Analysis of cross-cultural attitudes towards management, status, rules, relationships, motivating employees, and negotiation.</i>					
	73420		Staff	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

BUSINESS 120, PRINCIPLES OF MANAGEMENT 3.0 UNITS					
<i>Principles, methods, and procedures essential to the successful management of human and financial resources. Planning, decision making, staffing, directing, motivating, leading, communicating, controlling and the application of managerial skills.</i>					
	67861		Shweiri G	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

BUSINESS 130, PERSONAL FINANCE 3.0 UNITS					
<i>This course is an integrative approach to personal finance focusing on practical financial decision making, practice computational skills, preparation to reason quantitatively, and explain and apply mathematical reasoning concepts to solve problems experienced in daily or professional life related to money/finance. Course includes the social, psychological, and physiological contexts in which financial decisions are made. Students will examine their relationships with money; set personal goals, and develop a plan to meet those goals. Topics include consumerism, debt, healthcare, investing, retirement, long-term care, disability, death, and taxes. Students will perform calculations to analyze their savings, investments, budgets and develop a plan to meet financial goals.</i>					
	67949		Strong J	SAC WEB	06/17-08/11
	Online Instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.				

BUSINESS 150, INTRODUCTION TO INFORMATION SYSTEMS AND APPLICATIONS 3.0 UNITS					
<i>Introduction to computer concepts and management information systems. Application software will be used to solve business problems.</i>					
	67980	9:35a-12:55p	Tu Th	Hester B	SAC A-206
	Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.				

BUSINESS 180, FINDING AND EVALUATING PRODUCTS FOR IMPORT 1.0 UNIT					
<i>Evaluate the potential of an import business. Contact vendors and source products. Determine import classification, tariffs and taxes and calculate landed costs to import into the U.S.</i>					
67863	6:00p-10:15p	M W	Grant M	SAC A-203	06/17-06/26

BUSINESS 182, CLASSIFYING IMPORTS AND CLEARING U.S. CUSTOMS 1.0 UNIT					
<i>Learn to classify products being imported into the U.S. using the Harmonized Tariff Schedule (HTS). Identify applicable duty rates and quotas for products. Learn how the operations and U.S. Customs programs have changed since 9/11/2001.</i>					
67864	6:00p-10:15p	M W	Shweiri G	SAC A-203	07/01-07/10

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
BUSINESS 222, BUSINESS WRITING 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.</i>					
Prerequisite: English 101 or 101H with a minimum grade of C.					
	67865		Furlong E	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
	67867	8:00a-11:10a	M W	Furlong E	SAC A-108
Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					

BUSINESS APPLICATIONS

BUSINESS APPLICATIONS 035, COMPUTER FUNDAMENTALS 1.5 UNITS					
<i>Learn current computer technology, understand hardware components, and software applications using current industry standards. Topics also include Internet, virus protection, networking, cloud computing, and WiFi. Helpful tips to make using the computer easier, faster and more efficient. Course is designed for beginner and experienced users needing to update business technology knowledge and skills.</i>					
	67989		Morgan A	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

BUSINESS APPLICATIONS 110A, COMPUTER KEYBOARDING SKILLS 1.0 UNIT					
<i>This course is the first step in learning proper keyboarding techniques with accuracy using correct hand and finger positioning. Students will follow step-by-step instructions for all alphabet, numbers, punctuation, enter/return, and shift keys. Typing correctly without errors will provide the skills necessary to develop speed with accuracy.</i>					
Open Entry / Open Exit					
	67990		Skaggs T	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

BUSINESS APPLICATIONS 147, INTRODUCTION TO WINDOWS 1.5 UNITS					
<i>This course is designed for beginning and experienced computer users needing to update business technology skills in using Windows. Customize the Windows environment using the latest features including Start menu tiles, settings, task bar, pin apps, Cortana, Microsoft Edge browser, and OneNote. Learn File Explorer to manage files and folders more efficiently and use OneDrive for Cloud storage.</i>					
Software Utilized: Windows 10					
	67995		Morgan A	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

BUSINESS APPLICATIONS 163, ADOBE ACROBAT 3.0 UNITS					
<i>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.</i>					
	67996		Dumon D	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

BUSINESS APPLICATIONS 179, INTRODUCTION TO MICROSOFT OFFICE 3.0 UNITS					
<i>This course is designed for beginning and experienced computer users needing to build and update business technology skills in using Microsoft Office Word, Excel, and PowerPoint. Learn to use the essential features and proper techniques to create, edit, format, export PDF, and print professional business documents, spreadsheets, and presentations. This course will prepare the student for the Microsoft Office Specialist (MOS) exam to earn an industry recognized certification in Word, Excel, and PowerPoint.</i>					
Software Utilized: MS Office 2016					
	73416		Morgan A	SAC WEB	06/17-08/11

BUSINESS APPLICATIONS 188, MICROSOFT EXCEL 2.0 UNITS					
<i>This course is designed for beginning and experienced computer users needing to build and update business technology skills to produce professional Excel worksheets. Learn proper techniques using current business standards to create, edit, format, export PDF, and print worksheets. Topics include insert images, graphics, charts, functions, and formulas. This course will prepare the student for the Microsoft Office Specialist (MOS) exam to earn an industry recognized certification.</i>					
Software Utilized: MS Excel 2016					
	73417		Nguyen T	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

CHEMISTRY

CHEMISTRY 109, CHEMISTRY IN THE COMMUNITY 4.0 UNITS					
<i>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.</i>					
	67351		Jenkins C	SAC WEB	06/17-08/11
Section 67351 Online instruction. Material Fee: A lab kit will need to be purchased from www.eScienceLabs.com. There is no additional textbook cost for this ZTC class.					
	67352		Jenkins C	SAC WEB	06/17-08/11
Section 67352 Online instruction. Available for Online Degree Pathway students. Material Fee: A lab kit will need to be purchased from www.eScienceLabs.com. There is no additional textbook cost. There is no additional textbook cost for this ZTC class.					

CHEMISTRY 209, INTRODUCTORY CHEMISTRY 4.0 UNITS					
<i>Basic concepts of matter: atomic structure, formulas, equation writing, nomenclature, gases and kinetic theory. Emphasizes properties of solutions, and the mole concept in quantitative chemistry. Prepares students for Biology and Chemistry 219.</i>					
Prerequisite: Mathematics 080 or Mathematics 081 or Mathematics 083 or Mathematics 084 with a minimum grade of C.					
	67487	8:20a-11:40a	M Tu W Th	Littlejohn S	SAC R-318
		12:00p-3:20p	M Tu W Th	Littlejohn S	SAC R-309
	67488	8:30a-11:40a	M Tu W Th	Littlejohn S	SAC R-318
		12:00p-3:10p	M Tu W Th	Littlejohn S	SAC R-309
	67452	8:30a-11:40a	M W	Pratt C	SAC R-303
		8:30a-11:40a	Tu Th	Pratt C	SAC R-301
	67454	6:00p-9:10p	M W	Yamada T	SAC R-303
		6:00p-9:10p	Tu Th	Yamada T	SAC R-301
	67455	6:00p-9:10p	Tu Th	Fimbres M	SAC R-303
		6:00p-9:10p	M W	Visco L	SAC R-301

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
CHEMISTRY 219, GENERAL CHEMISTRY 5.0 UNITS					
<i>Fundamental principles and concepts of chemistry including, but not limited to, atomic structure, quantum theory, periodic properties, stoichiometry, oxidation-reduction, molecular structure and bonding, gas laws, states of matter, solutions, chemical kinetics and chemical equilibrium.</i>					
Prerequisite: Mathematics 080 or 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.					
	67489	12:00p-1:30p	M Tu W Th	Nguyen W	SAC R-303
		8:30a-11:45a	M Tu W Th	Nguyen W	SAC R-309

CHEMISTRY 229, GENERAL CHEMISTRY AND QUALITATIVE ANALYSIS 5.0 UNITS					
<i>Continuation of Chemistry 219, including but not limited to ionic equilibrium, acid and base equilibrium, thermodynamics, electrochemistry, nuclear chemistry, organic chemistry and descriptive chemistry.</i>					
Prerequisite: Chemistry 219 with a minimum grade of C.					
	67725	10:30a-12:00p	M Tu W Th	Mandir J	SAC R-126
		12:30p-3:45p	M Tu W Th	Mandir J	SAC R-301

CHICANO STUDIES

CHICANO STUDIES 101, INTRODUCTION TO CHICANA/O STUDIES 3.0 UNITS					
<i>This course is an introduction to the field of Chicana/o/x Studies. It is designed to acquaint students with the most significant social, political, economic, and historical aspects of the Chicana/o/x/e experience in the United States. As such, the course is interdisciplinary in nature and critically analyzes the societal context in which Chicanas/os/@s/xs/es have sought to maintain their culture. -fThis course is designed to present a foundation in Chicana/o/@/x/e Studies.</i>					
	66388	2:00p-5:10p	M W	Valles R	SAC D-201
	66387	6:30p-9:50p	Tu Th	Valles R	SAC D-201

CHILD DEVELOPMENT

CHILD DEVELOPMENT 107, CHILD GROWTH AND DEVELOPMENT (DS1) 3.0 UNITS					
<i>This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, from conception through adolescence. Using developmental theories and research methodologies, course emphasis will be on typical and atypical development, maturational processes, and environmental factors. Students will also observe children, evaluate individual differences, and analyze characteristics of development at various stages. (No credit if student has taken Psychology 157.)</i>					
	67607		Hardy M	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times.					
	67608		Kimmel M	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times.					
	67609		Naman T	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times.					
	67610		Hardy M	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times.					
	73385	6:00p-9:00p	Tu	Navarro M	SAC HYBRID
Online instruction plus mandatory on-campus meetings on Tues, 06/18, 06/25, 07/02, 07/09, 07/16, 07/23, 07/30, 08/06, 6:00p-9:00p, SAC V-150					
	67612	9:00a-12:20p	Tu Th	Lamourelle C	SAC V-150
	67611	6:00p-9:10p	M W	Lamourelle C	SAC V-150

CHILD DEVELOPMENT 108, OBSERVATION AND ASSESSMENT FOR EARLY LEARNING AND DEVELOPMENT (DS3) 3.0 UNITS					
<i>This course focuses on the appropriate use of assessment and observation strategies to document development, growth, play, and learning to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored.</i>					
Prerequisite: Child Development 107 with a minimum grade of C. Negative TB Test (must be completed before observations take place during the semester). By the 3rd week of the semester, verification of the state-mandated Tdap vaccination, MMR immunization, and negative TB test will be required.					
	67616	6:30p-9:00p	W	Seneviratne A	SAC HYBRID
Online instruction plus mandatory on-campus meetings on Wed, 06/19, 06/26, 07/03, 07/10, 07/17, 07/24, 6:30p-9:00p, SAC V-151.					

CHILD DEVELOPMENT 110, CHILD, FAMILY, AND COMMUNITY (DS2) 3.0 UNITS					
<i>This class examines the developing child in a societal context, focusing on the interrelationship of family, school and community, and emphasizes historical and socio-cultural factors. Students will explore socialization processes and identity development that support and empower families by showing the importance of respectful and reciprocal relationships.</i>					
	67613	9:00a-12:00p	Th	Funaoka M	SAC HYBRID
Online instruction plus mandatory on-campus meeting on Th, 06/20, 06/27, 07/11, 9:00a-12:00p, SAC V-151.					
	67614		Funaoka M	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times.					
	67615		Funaoka M	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times.					
	67794	6:00p-9:00p	Th	Funaoka M	SAC HYBRID
Online instruction plus mandatory on-campus meetings on Thur, 06/20, 06/27/07/11, 6:00p-9:00p, SAC V-150.					
	74368	6:00p-9:00p	W	Nguyen L	SAC-HYBRID
Online instruction plus mandatory on-campus meetings on Wed, 06/19, 06/26, 07/03, 07/10, 07/17, 07/24, 07/31, 08/07 from 6:00p-9:00p, SAC I-102.					

CHILD DEVELOPMENT 112, HEALTH, SAFETY, AND NUTRITION FOR CHILDREN 3.0 UNITS					
<i>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 health and school professionals to ensure physical and mental health of all children, families, and professionals will be explored. Students will have to show proof of negative TB test results by the 4th week of the semester. Observations to local child development centers will be included.</i>					
	67617		Hardy M	SAC WEB	06/17-07/28
Online instruction. On on-campus meeting times.					
	67618		Hardy M	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times.					

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES	SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
CHILD DEVELOPMENT 200, INTRODUCTION TO TECHNOLOGY IN EARLY CHILDHOOD EDUCATION						CHILD DEVELOPMENT 205, INTRODUCTION TO CHILDREN WITH SPECIAL NEEDS					
<p>3.0 UNITS <i>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.</i></p>						<p>3.0 UNITS <i>Introduces the variations in development of children and adolescents with special needs, and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to individuals with special needs, and the identification and referral process.</i></p>					
H 67775	1:00p-4:00p	M	Naman T Naman T	SAC HYBRID SAC T-203-1	06/17-07/14	67792			Kimmel M	SAC WEB	06/17-07/28
<p>Online instruction plus mandatory on-campus meetings on Mon, 06/17, 06/24, 07/01, 07/08, 1:00p-4:00p, SAC T-203-1. There is no additional textbook cost for this ZTC class.</p>						<p>Online instruction. No on-campus meeting times.</p>					
CHILD DEVELOPMENT 210, CREATIVE MUSIC EXPERIENCES FOR YOUNG CHILDREN						CHILD DEVELOPMENT 221, LIVING AND TEACHING IN A DIVERSE SOCIETY					
<p>2.0 UNITS <i>Explores musical expression through songs and ballads, the elements of music, and diverse types of instruments as used in the early childhood curriculum. Includes the study of musical growth and development in young children and the use of music as a classroom management tool.</i></p>						<p>3.0 UNITS <i>Examination of the development of social identities in diverse societies, and implications of oppression and privilege, as they apply to young children, families, programs, classrooms, and teaching. Classroom strategies will be explored emphasizing culturally and linguistically appropriate anti-bias approaches, self-examination, and reflection on issues related to social identity, stereotypes and bias, social and educational access, media, and schooling.</i></p>					
H 67795	6:00p-9:00p	Tu	Lamourelle C Lamourelle C	SAC HYBRID SAC V-151	06/17-08/11	H 67791	6:00p-9:00p	M	Seneviratne A Seneviratne A	SAC HYBRID SAC V-151	06/17-07/28
<p>Online instruction plus mandatory on-campus meetings on Tues, 06/18, 06/25, 07/02, 07/09, 07/16, 07/23, 07/30, 08/06, 6:00p-9:00p, V-151</p>						<p>Online instruction plus mandatory on-campus meetings on Mon, 06/17, 06/24, 07/01, 07/08, 07/15, 07/22, 6:00p-9:00p, SAC V-151.</p>					
CHILD DEVELOPMENT 229, BRAIN DEVELOPMENT AND LEARNING						CHILD DEVELOPMENT 232, MATH AND SCIENCE METHODS FOR EARLY LEARNING ENVIRONMENTS					
<p>2.0 UNITS <i>This class explores the development of the brain for children from birth through adolescence, and how behavior and learning are affected. Brain-based learning strategies will be used to teach new ways of approaching learning including how to understand diverse learning styles. This course is designed for educators, parents, and students who are interested in knowing more about how the brain operates and how environment affects the brain.</i></p>						<p>2.0 UNITS <i>Introduces early learning teachers to basic math and science principles and the standards established by the National Council of Teachers of Mathematics and the National Science Content Standards for early learning environments. Includes theoretical and practical applications for problem-solving and critical thinking that are common to math and science. Students will develop a personal file of appropriate math/science activities for early learning.</i></p>					
O 67796			Lamourelle C	SAC WEB	06/17-08/11	H 67797	9:00a-12:00p	Tu	Kimmel M Seneviratne A	SAC HYBRID SAC V-151	06/17-07/14
<p>Online instruction. No on-campus meeting times.</p>						<p>Online instruction plus mandatory on-campus meetings on Tues, 06/18, 06/25, 07/02, 07/09, 9:00a-12:00p, SAC V-151.</p>					
CHILD DEVELOPMENT 299, COOPERATIVE WORK EXPERIENCE EDUCATION						COMMUNICATION STUDIES 101, INTRODUCTION TO INTERPERSONAL COMMUNICATION					
<p>1.0 - 4.0 UNITS <i>This work experience course of supervised employment is designed to assist students to acquire career awareness and work habits in early childhood, K-12, and after-school programs. 75 hours of paid work or 60 hours of unpaid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.</i></p>						<p>3.0 UNITS <i>Introduction to communication theory, listening, perception, language usage, non-verbal communication, and conflict management.</i></p>					
<p>Open Entry / Open Exit 67793 TBA</p>						<p>Recommended Preparation: Recommended completion of or concurrent enrollment in English 101 or English 101H with a minimum grade of C.</p>					
<p>Salmond M SAC V-151 06/17-08/11</p>						<p>68046 Online instruction. No on-campus meeting times. Pierce C SAC WEB 06/17-07/28</p>					
<p>Online instruction. No on-campus meeting times.</p>						<p>68047 Online instruction. No on-campus meeting times. Pierce C SAC WEB 06/17-07/28</p>					
<p>68049 8:00a-12:35p Tu Th Saterfield K SAC I-103 06/18-07/25</p>						<p>68048 Online instruction. No on-campus meeting times. Cummings R SAC WEB 06/17-07/28</p>					
<p>68045 8:00a-12:15p M W Nguyen C SAC I-103 06/17-07/24</p>						<p>68049 8:00a-12:35p Tu Th Saterfield K SAC I-103 06/18-07/25</p>					
<p>68043 6:00p-10:15p M W Holder V SAC C-214 06/17-07/24</p>						<p>68044 6:00p-10:35p Tu Th Holder V SAC C-214 06/18-07/25</p>					
<p>68044 6:00p-10:35p Tu Th Holder V SAC C-214 06/18-07/25</p>						<p>68052 8:00a-12:15p M W Staff SAC I-101 06/17-07/24</p>					
COMMUNICATION STUDIES 102, PUBLIC SPEAKING						COMMUNICATION STUDIES 140, ARGUMENTATION AND DEBATE					
<p>3.0 UNITS <i>Teaches critical thinking skills in relation to public speaking. Emphasis on the process, principles, and major facets of critical thinking with practice through oral presentations.</i></p>						<p>3.0 UNITS <i>Principles of debate techniques with emphasis on methods of logical analysis and reflective thinking. Practical application through adaptation of material to forms of debate on current issues.</i></p>					
<p>Recommended Preparation: Communication Studies 097 recommended for non-native speakers of English.</p>						<p>Recommended Preparation: Completion of or concurrent enrollment in English 101 recommended. Communication Studies 097 recommended for non-native speakers.</p>					
<p>68052 8:00a-12:15p M W Staff SAC I-101 06/17-07/24</p>						<p>68057 8:00a-12:35p Tu Th Lockwood L SAC C-207 06/18-07/25</p>					
<p>68055 8:00a-12:15p M W Lockwood L SAC C-207 06/17-07/24</p>						<p>68056 6:00p-10:15p M W Lockwood L SAC C-207 06/17-07/24</p>					
<p>68054 11:00a-1:50p Tu W Th Labreau K SAC I-102 06/18-07/25</p>						<p>68053 6:00p-10:15p M W Ayala E SAC I-103 06/17-07/24</p>					
<p>68053 6:00p-10:15p M W Ayala E SAC I-103 06/17-07/24</p>						<p>68050 6:00p-10:35p M Tu Th Fondren S SAC C-213 06/17-07/11</p>					
<p>68050 6:00p-10:35p M Tu Th Fondren S SAC C-213 06/17-07/11</p>						<p>68054 11:00a-1:50p Tu W Th Labreau K SAC I-102 06/18-07/25</p>					

COMMUNICATIONS & MEDIA STUDIES

COMMUNICATIONS & MEDIA STUDIES 298A, DESIGNING FOR PRINT AND DIGITAL MEDIA						COMMUNICATIONS & MEDIA STUDIES 298B, INTERMEDIATE DESIGNING FOR PRINT AND DIGITAL MEDIA					
<p>3.0 UNITS <i>A comprehensive course emphasizing professional standards, theory, and techniques in print, digital, and Web-based design. Students use a digital laboratory as a platform for training in design theory, visual organization, color theory, scale, unity, and use of typography. For those interested in design careers.</i></p>						<p>3.0 UNITS <i>An intermediate level comprehensive course emphasizing professional standards, theory, and techniques in print, digital, and Web-based design. Students use a digital laboratory as a platform for training in design theory, visual organization, color theory, scale, unity, and use of typography. For those interested in design careers. Completion of Communications & Media Studies 298A is required.</i></p>					
<p>67800 9:00a-11:05a M Tu W Th Little C SAC C-201 06/17-07/25</p>						<p>Prerequisite: Communications & Media Studies 298A with a minimum grade of C or upon approval of instructor.</p>					
<p>11:15a-1:20p M Tu W Th Little C SAC C-201</p>						<p>67801 9:00a-11:05a M Tu W Th Little C SAC C-201 06/17-07/25</p>					
<p>11:15a-1:20p M Tu W Th Little C SAC C-201</p>						<p>11:15a-1:20p M Tu W Th Little C SAC C-201</p>					

COMPUTER SCIENCE

COMPUTER SCIENCE 100, THE COMPUTER AND SOCIETY						COMPUTER SCIENCE 104, COOPERATIVE WORK EXPERIENCE EDUCATION-OCCUPATIONAL					
<p>3.0 UNITS <i>An introduction to the area of computers and their relationship to today's information society. Examines a broad overview of topics including hardware, software, networking, information technology, and the Internet. The student will explore the implication and effect of technology on society, careers, and ethics.</i></p>						<p>1.0 - 4.0 UNITS <i>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.</i></p>					
<p>Software Utilized: MS Office 2016</p>						<p>Open Entry / Open Exit</p>					
<p>67983 Online Instruction. No on-campus meeting times. Hester B SAC WEB 06/17-08/11</p>						<p>67985 TBA Staff SAC A-107-4 06/17-08/11</p>					
<p>7374 9:00a-12:20p M Tu W Th Jang S SAC CHAP 06/24-07/18</p>						<p>Mandatory meeting with instructor at SAC A-107-5. Contact instructor to schedule.</p>					
<p>67984 6:30p-9:40p M W Quach N SAC A-206 06/17-08/07</p>						<p>COMPUTER SCIENCE 112, JAVA PROGRAMMING</p>					
<p>67985 TBA Staff SAC A-107-4 06/17-08/11</p>						<p>3.0 UNITS <i>Study of the Java language, its features and applications.</i></p>					
<p>70373 6:00p-9:10p M W Sim J SAC A-208 06/17-08/07</p>						<p>Software Utilized: Java 2 SDK V 1.4.2</p>					

COUNSELING

COUNSELING 100, LIFELONG UNDERSTANDING AND SELF DEVELOPMENT						COUNSELING 110, UNIVERSITY TRANSFER RESEARCH					
<p>2.0 UNITS <i>Integrates concepts of lifelong understanding pertaining to career choice, educational planning, and self inventory. Skills, values, and interest assessments are utilized. Emphasis is on applying psychological principles to values clarification, goal setting, and decision making. Students analyze social/cultural conditioning and explore successful strategies for living in a diverse society.</i></p>						<p>0.5 - 2.0 UNITS <i>Development and enhancement of decision-making strategies for transfer students. Identification of educational/career goals. Analysis, comparison, and evaluation of university entrance, major, and post-graduate requirements, and student services. On-site research/field study at universities.</i></p>					
<p>73867 8:30a-11:35a M Tu W Th Staff SAC STHS 06/17-07/05</p>						<p>67691 8:00a-12:30p M Tu W Th Vargas M SAC FLDTRP 06/10-06/13</p>					
<p>72540 8:30a-1:20p Tu Th Pineda M SAC I-109 07/02-07/25</p>						<p>1:00p-5:30p M Tu W Th Zook R SAC FLDTRP</p>					
<p>Undocu-Scholars Program</p>						<p>This is a four-day field trip to Northern California Universities. Please apply through the University Transfer Center.</p>					
COUNSELING 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION						COUNSELING 116, CAREER/LIFE PLANNING AND PERSONAL EXPLORATION					
<p>3.0 UNITS <i>This course is designed to assist students in successfully establishing and achieving education, career, and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills, and learning styles. Career and education options are researched, and students are exposed to college resources and support services. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, and career and life plans.</i></p>						<p>3.0 UNITS <i>This course is designed to assist students in successfully establishing and achieving education, career, and life goals. Students are guided through a reflective process that focuses on values, interests, personality, skills, and learning styles. Career and education options are researched, and students are exposed to college resources and support services. Decision making models and goal setting techniques are examined and will be used to develop short and long term education, and career and life plans.</i></p>					
<p>Material Fee(s): \$16.00</p>						<p>Material Fee(s): \$16.00</p>					
<p>66846 Nguyen T SAC WEB 06/17-08/11</p>						<p>66846 Nguyen T SAC WEB 06/17-08/11</p>					
<p>Online Instruction. No on campus meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.</p>						<p>Online Instruction. No on campus meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.</p>					
<p>66848 Nguyen T SAC WEB 06/17-08/11</p>						<p>66848 Nguyen T SAC WEB 06/17-08/11</p>					
<p>Online Instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.</p>						<p>Online Instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.</p>					
<p>66856 Macintyre M SAC WEB 06/17-08/11</p>						<p>66856 Macintyre M SAC WEB 06/17-08/11</p>					
<p>Online Instruction. No on-campus meeting times.</p>						<p>Online Instruction. No on-campus meeting times.</p>					
<p>66850 8:00a-11:20a Tu Th Nguyen T SAC I-101 06/18-08/08</p>						<p>66850 8:00a-11:20a Tu Th Nguyen T SAC I-101 06/18-08/08</p>					
<p>Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this class.</p>						<p>Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this class.</p>					
<p>70421 9:00a-12:10p M W Pastrana L SAC I-108 06/17-08/11</p>						<p>70421 9:00a-12:10p M W Pastrana L SAC I-108 06/17-08/11</p>					
<p>SSS Trio Summer Program</p>						<p>SSS Trio Summer Program</p>					

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
70423	9:00a-12:20p	Tu Th	Lopez Ediss C SSS TRIO summer program	SAC I-108	06/17-08/11
66855	6:00p-9:10p	M W	Camarena M	SAC I-101	06/17-08/07
Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
COUNSELING 144, REASONING AND PROBLEM SOLVING			3.0 UNITS		
<i>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.</i>					
70474			Macintyre M	SAC WEB	06/17-07/14
Online instruction.					
66857	6:00p-9:10p	M W	Gonzalez Santillan R	SAC I-108	06/17-08/07
COUNSELING 150, INTRODUCTION TO HUMAN SERVICES			3.0 UNITS		
<i>The history and philosophy of human services including the 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.</i>					
68522			Robledo J	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					
66858	6:00p-9:20p	Tu Th	Lockhart A	SAC I-108	06/18-08/08

CRIMINAL JUSTICE

CRIMINAL JUSTICE 101, INTRODUCTION TO CRIMINAL JUSTICE			3.0 UNITS		
<i>This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces that have shaped those principles and approaches. Although justice structure and process are examined in a cross cultural context, emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, and sentencing and incarceration policies.</i>					
67876	7:00a-10:10a	M Tu W Th	Gonis Jr A	SAC H-207	07/15-08/08
CRIMINAL JUSTICE 103, CONCEPTS OF CRIMINAL LAW			3.0 UNITS		
<i>Analysis of criminal liability and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. →†Limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes.</i>					
68516	10:20a-1:30p	M Tu W Th	Gonis Jr A	SAC H-207	07/15-08/08

CRIMINAL JUSTICE ACADEMIES

CRIMINAL JUSTICE ACADEMIES 009B, FITNESS FOR LAW ENFORCEMENT			0.1 - 0.3 UNITS		
<i>Training designed specifically for law enforcement and those with an interest in entering a law enforcement basic police academy program.</i>					
67806	6:00p-8:00p	Tu Th	Stevens H	CJTC-SD	06/25-07/23

DANCE

DANCE 100, DANCE HISTORY AND APPRECIATION			3.0 UNITS		
<i>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.</i>					
67798			Westergard-Dobson C	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times.					
DANCE 140, DANCE REPERTORY WORKSHOP			1.0 UNIT		
<i>Intensive course which emphasizes learning selected repertory. Students learn one or more complete choreographic works of concert quality with instruction in specific performance styles, culminating in a public performance.</i>					
67799	10:00a-1:10p	Tu Th	Alduenda L	SAC G-108	07/16-08/08
	1:20p-2:10p	Tu Th	Alduenda L	SAC G-108	

DIESEL

DIESEL 162, AIR CONDITIONING AND HEATING			3.0 UNITS		
<i>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.</i>					
67890	6:00p-10:20p	M Tu W	Rudd J	SAC J-101	06/17-08/07

EARTH SCIENCE

EARTH SCIENCE 110, INTRODUCTION TO EARTH SCIENCE			3.0 UNITS		
<i>A study of the processes that shape and form the Earth and define its place in the solar system. Introduction to the sciences of geology, oceanography, meteorology, and astronomy. Not open to students who are enrolled, or have credit in Geology 101 or Geography 101.</i>					
67582			Coyne C	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
67583			Coyne C	SAC WEB	06/17-07/28
Online instruction. Available to Online Degree Pathway students. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
67584	8:00a-1:10p	M Tu W Th F Sa Su	Coyne C	SAC UCI	07/19-07/28
This section is a 10-day residential program at UCI. Please apply through SAC's University Transfer Center.					

ECONOMICS

ECONOMICS 120, PRINCIPLES/MACRO			3.0 UNITS		
<i>Introduction to macroeconomics, including basic economic concepts, analysis of markets, national income accounting, employment, short run business cycle fluctuations, long run growth trends, monetary and fiscal policies, and international economic issues. Intended for economics, business, and certain engineering/computer science majors.</i>					
Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.					
66390			Do H	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times.					
66389	8:00a-12:15p	M W	Montes A	SAC D-209	06/17-07/24
ECONOMICS 121, PRINCIPLES/MICRO			3.0 UNITS		
<i>Introduction to microeconomics, including basic economic concepts, analysis of markets, efficiency, consumer and firm behavior, industry structures, market failure, and resource markets. For economics, business, and certain engineering and computer science majors.</i>					
Prerequisite: Mathematics 060 or Mathematics 083 or Mathematics 084 with a minimum grade of C.					
66391	8:00a-12:35p	Tu Th	Montes A	SAC D-209	06/18-07/25
66392	6:00p-10:15p	M W	Montes A	SAC D-209	06/17-07/24

EMERGENCY MEDICAL TECHNICIAN

EMERGENCY MEDICAL TECHNICIAN 104, EMERGENCY MEDICAL TECHNICIAN			10.0 UNITS		
<i>Basic course for the Emergency Medical Technician (EMT). Satisfies requirements for County/State Emergency Medical Services (EMS) Authority. Prepares students to take the Orange County Emergency Medical Services (OCEMS)/National Registry certifying exam for state certification. This course provides depth and breadth of foundational knowledge of the National EMS Education Standards derived from the National Scope of Practice Model for entry-level EMTs.</i>					
Corequisite: American Heart Association Basic Life Support (BLS) Healthcare Provider Card and concurrent enrollment in Emergency Medical Technician 105.					
67604	8:00a-2:05p	Tu Th Sa	Dibb P	SAC B-7	06/10-08/10
	2:15p-4:05p	Tu Th Sa	Dibb P	SAC B-7	
A current American Heart Association BLS PROVIDER CPR card is required to be shown on the first day of class. Failure to comply will result in being dropped from the class. Students registering for EMT 104 must also register for EMT 105.					
EMERGENCY MEDICAL TECHNICIAN 105, CLINICAL EMT SKILLS LABORATORY			1.0 UNIT		
<i>Supervised use of skills lab through supplemental learning to assist the student in development of clinical competency and mastery of psychomotor skills as addressed in course EMT 104. Hours verified by instructor.</i>					
Corequisite: Concurrent enrollment in Emergency Medical Technician 104. In order to pass EMT 105, the student must pass EMT 104. A failing grade in EMT 104 will be given if EMT 105 is not passed.					
67605	TBA		Dibb P	SAC B-7	06/10-08/10
A current American Heart Association BLS PROVIDER CPR card is required to be shown on the first day of class. Failure to comply will result in being dropped from the class. Students registering for EMT 105 must also register for EMT 104. 54 hours arranged.					

ENGINEERING

ENGINEERING 100A, INTRODUCTION TO ENGINEERING			2.0 UNITS		
<i>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.</i>					
67916	6:00p-10:15p	Tu	Galvez R	SAC A-214	06/18-08/06
ENGINEERING 100B, INTRODUCTION TO ARCHITECTURE/CIVIL ENGINEERING /CONSTRUCTION (AEC)			2.0 UNITS		
<i>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.</i>					
68300	6:00p-10:15p	W	Mendieta E	SAC A-214	06/19-08/07
ENGINEERING 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.</i>					
67814	6:00p-9:10p	M W	Buechler M	SAC T-203	06/17-08/07
ENGINEERING 111, BASIC MECHANICAL BLUEPRINT READING			2.0 UNITS		
<i>Reading and interpreting blueprints for manufacturing technologies.</i>					
67817	6:00p-8:05p	M W	Bright T	SAC I-109	06/17-08/07
ENGINEERING 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>					
Prerequisite: Engineering 104 or Manufacturing 111 or Engineering 122 or Engineering 125 with a minimum grade of C.					
67819	6:00p-9:20p	Tu Th	Corley G	SAC H-201	06/18-08/08
ENGINEERING 183, CAD I - COMPUTER AIDED DRAFTING			3.0 UNITS		
<i>A first course in computer drafting focused on AutoDesk software, with AutoCAD as a base. Topics include display and file management, units, entities, object selection, advanced editing, layers, dimensions, text, graphic exchange, and phone apps.</i>					
Software Utilized: AutoCAD 2014					
67922	6:00p-10:15p	M W	Galvez R	SAC HYBRID	06/17-08/11
Online instruction plus mandatory meetings on every Monday and Wednesday.					
ENGINEERING 184, CAD II - COMPUTER AIDED DRAFTING			3.0 UNITS		
<i>Intermediate course focused on Autodesk software, especially AutoCAD. Topics include a variety of intermediate apps, blocks, hatches, attributes, inquiry, and 3-D introduction, plus smart phone use.</i>					
Recommended Preparation: Engineering 183 or industry CAD experience.					
Software Utilized: AutoCAD 2014					
67924	6:00p-10:15p	M W	Galvez R	SAC HYBRID	06/17-08/11
Online instruction plus mandatory meetings on every Monday and Wednesday.					

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES	SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
ENGLISH											
ENGLISH 061, INTRODUCTION TO COMPOSITION 4.0 UNITS						ENGLISH 270, CHILDREN'S LITERATURE 3.0 UNITS					
<p>Expository paragraph writing emphasizing various methods including argumentation. Practice in refining sentence skills and grammar.</p> <p>Prerequisite: English N60 with a minimum grade of C or qualifying profile from English placement process and Reading proficiency as assessed by the Reading assessment process.</p> <p>66488 10:30a-1:20p M Tu W Th Brandon K SAC D-204 06/17-07/25</p> <p>You have the right to take an English 101 class at Santa Ana College even if a pre-transfer level English class has been recommended to you and regardless of your grade in a previous English class. Additionally, starting in the fall of 2019, the Santa Ana College English Department will offer a choice between English 101 or English 101 with a support lab. If you have questions about this, we encourage you to meet with a counselor or English instructor and check our the SAC English Guided Self-Placement so that you can make an informed decision.</p>						<p>A study of literature for children emphasizing the history, trends, issues, and evaluation of all major genres: picture books, poetry, drama, traditional literature, non-fiction, and fiction, including full-length works.</p> <p>Prerequisite: English 101 or English 101H with a minimum grade of C.</p> <p>66521 5:00p-6:50p M Axtell C SAC HYBRID 06/17-07/28 Axtell C SAC D-206 Online instruction plus mandatory on-campus meetings on Monday, 6/17, 7/1, 7/15, 7/22, 5:00p-6:50p, SAC D-206.</p>					
ENGLISH 101, FRESHMAN COMPOSITION 4.0 UNITS						FASHION DESIGN MERCHANDISING 005, FASHION LABORATORY 0.5 UNIT					
<p>Expository and argumentative essays and the research paper. Special interest sections described in schedule of classes.</p> <p>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.</p> <p>68123 3:00p-4:50p M Ramshaw C SAC HYBRID 06/17-07/14 Ramshaw C SAC D-303 Online instruction plus mandatory on-campus meetings on Monday, 6/17, 6/24, 7/1, 7/8, 3:00p-4:50p, SAC D-303.</p> <p>66497 4:30p-6:50p W Axtell C SAC HYBRID 06/17-07/28 Axtell C SAC D-109 Online instruction plus mandatory on-campus meetings on Wednesday, 6/19, 7/3, 7/17, 7/24, 4:30p-6:50p, SAC D-109.</p> <p>66502 3:00p-4:50p M Staff SAC HYBRID 07/15-08/11 Staff SAC D-108 Online instruction plus mandatory on-campus meetings on Monday, 3:00p-4:50p, SAC D-108.</p> <p>66503 10:00a-12:20p Th Rocke B SAC HYBRID 06/17-07/14 Rocke B SAC D-206 Online instruction plus mandatory on-campus meetings on Thursday, 6/20, 6/27, 7/11 at 10:00p-12:20p, SAC D-206.</p> <p>66492 7:30a-10:20a M Tu W Th Bassett D SAC D-108 06/17-07/25 73985 10:30a-1:20p M Tu W Th Staff SAC D-108 06/17-07/25 66489 8:00a-12:15p M W Staff SAC D-107 06/17-08/07 71817 8:00a-12:15p M W Staff SAC D-208 06/17-08/11 71821 8:00a-12:30p Tu Th Staff SAC D-102 06/17-08/11 66505 10:30a-1:20p M Tu W Th Bootman A SAC D-108 06/17-07/25 66494 10:30a-1:20p M Tu W Th Sosta R SAC D-103 06/17-07/25 66501 10:30a-1:20p M Tu W Th Martinez Guzman D SAC D-109 06/17-07/25 66498 12:30p-4:45p M Tu W Th Staff SAC D-107 07/15-08/08 68125 1:00p-5:15p M Tu W Th Isbell J SAC D-212 07/15-08/08 66496 1:30p-4:20p M Tu W Th Martinez Guzman D SAC D-109 06/17-07/25 66493 2:00p-4:50p M Tu W Th Brandon K SAC D-304 06/17-07/25 66490 6:00p-10:30p Tu Th Staff SAC D-108 06/18-08/08 66500 6:00p-10:15p M Tu W Th Staff SAC D-103 07/15-08/08 71818 6:00p-10:30p Tu Th Staff SAC D-102 06/17-08/11 71820 6:00p-10:15p M W Staff SAC D-102 06/17-08/11</p>						<p>Supervised use of the fashion laboratory. Lab hours verified by sign-in. Twenty-four hours laboratory per 0.5 units. Not applicable to associate degree.</p> <p>Open Entry / Open Exit</p> <p>67874 11:00a-1:15p Tu Th Benson K SAC T-201 06/18-07/25</p> <p>FASHION DESIGN MERCHANDISING 058, DECORATIVE APPAREL 0.5 UNIT</p> <p>Application techniques of sewing embellishments on surface textures and patterns in creating ethnic inspired apparel designs.</p> <p>67862 10:00a-2:45p Tu Th Carrillo J SAC T-201 07/30-08/08</p> <p>FASHION DESIGN MERCHANDISING 103, FASHION SELECTION 3.0 UNITS</p> <p>Apparel selection for professional and personal needs based on design, culture, and fashion trends. This course will examine the psychological, sociological, and cultural significance of clothing. Included is the analysis of color, line, and design as they relate to garment selection and wardrobe planning. The fashion professional uses this information to better design, produce, and select products to meet the needs of a culturally diverse consuming population. This course is designed for both men and women.</p> <p>73387 Libolt R SAC WEB 06/17-08/11 Online instruction. No on-campus meeting times.</p> <p>FASHION DESIGN MERCHANDISING 105A, BEGINNING SEWING 3.0 UNITS</p> <p>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.</p> <p>67866 11:00a-3:35p Tu Th Benson K SAC HYBRID 06/18-07/25 Benson K SAC T-201 Online instruction plus mandatory on-campus meetings for lab portion of class, Tues and Thur, 06/18, 06/20, 06/25, 06/27, 07/02, 07/09, 07/11, 07/16, 07/18, 07/23, 07/25, 11:00a-3:35p, SAC T-201.</p> <p>FASHION DESIGN MERCHANDISING 105B, INTERMEDIATE SEWING 2.0 UNITS</p> <p>Follow-up of Fashion Design Merchandising 053 and 105A, Beginning Sewing. Coordination of woven fabrics and pattern fitting in construction of class projects such as pants, dress shirts, and unlined jackets.</p> <p>67871 9:30a-3:35p Tu Th Benson K SAC T-201 06/18-07/25</p> <p>FASHION DESIGN MERCHANDISING 299, COOPERATIVE WORK EXPERIENCE EDUCATION 1.0 - 6.0 UNITS</p> <p>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. Credit may be accrued at the rate of one to six units per semester. One unit of course credit equals 75 hours of paid work or 60 hours of un-paid work. Student repetition up to 16 units is permissible per Title 5, Section 55253.</p> <p>Recommended Preparation: 12 units of Fashion Design Merchandising courses completed with C or better.</p> <p>Open Entry / Open Exit</p> <p>67873 TBA Benson K SAC T-201 06/17-08/11 Online instruction. No on-campus meeting times.</p>					
ENGLISH 101H, HONORS FRESHMAN COMPOSITION 4.0 UNITS						FIRE OFFICER TRAINING 130A, FIRE INSPECTOR 1A: DUTIES AND ADMINISTRATION 1.5 UNITS					
<p>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.</p> <p>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.</p> <p>66506 10:30a-1:20p M Tu W Th Bassett D SAC D-207 06/17-07/25 73987 4:30p-7:20p M Tu W Th Staff SAC D-110 06/17-07/25</p>						<p>This course provides a broad, technical overview of fire prevention codes and ordinances, inspection practices, and key hazards.</p> <p>Prerequisite: Fire Technology 104, Fire Technology 105, and Fire Technology 106 with a minimum grade of C OR equivalent as determined by the Dean of academy instruction. To be successful in this course, students should be able to understand and use professional terminology; Identify laws, codes, ordinances, and regulations as they relate to fire prevention; Understand code enforcement as it impacts life and pro</p> <p>74060 8:00a-5:00p M W Freeman S SAC H-205 06/17-06/24</p>					
ENGLISH 102, LITERATURE AND COMPOSITION 4.0 UNITS						FIRE OFFICER TRAINING 130B, FIRE INSPECTOR 1B: INTRODUCTION TO FIRE AND LIFE SAFETY 1.5 UNITS					
<p>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.</p> <p>Prerequisite: English 101 or English 101H with a minimum grade of C.</p> <p>66509 5:00p-6:50p M Staff SAC HYBRID 07/15-08/11 Staff SAC D-108 Online instruction plus mandatory on-campus meetings on Monday, 5:00p-6:50p, SAC D-108.</p> <p>68119 5:00p-6:50p M Ramshaw C SAC HYBRID 06/17-07/14 Ramshaw C SAC D-303 Online instruction plus mandatory on-campus meetings on Monday, 6/17, 6/24, 7/1, 7/8, 5:00p-6:50p, SAC D-303.</p>						<p>This course will provide fire prevention professionals with the base level of knowledge necessary to inspect fire protection systems and special hazards.</p> <p>Prerequisite: Fire Technology 104, Fire Technology 105, and Fire Technology 106 with a minimum grade of C OR equivalent as determined by the Dean of academy instruction. To be successful in this course students must be able to: Describe the basic elements of a public water supply system as it relates to fire protection; Describe the basic elements of a public water supply system including sources, distribution</p> <p>Material Fee(s): \$80.00</p> <p>74062 8:00a-5:00p M W Freeman S SAC H-205 06/26-07/03</p>					
ENGLISH 103, CRITICAL THINKING AND WRITING 4.0 UNITS						FIRE OFFICER TRAINING 130C, FIRE INSPECTOR 1C: FIELD INSPECTION 1.5 UNITS					
<p>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.</p> <p>Prerequisite: English 101 or English 101H with a minimum grade of C.</p> <p>66515 10:00a-11:50a M Beyersdorf M SAC HYBRID 07/01-08/11 Beyersdorf M SAC D-202 Online instruction plus mandatory on-campus meetings on Monday, 7/1, 7/8, 7/29, 8/5, 10:00a-11:50a, SAC D-202.</p> <p>66513 8:00a-3:50p M Tu W Th F Sa Su Beyersdorf M SAC UCI 07/19-07/28 This section is a 10-day residential program at UCI. Please apply through SAC's University Transfer Center.</p> <p>66516 10:30a-1:20p M Tu W Th Kelley S SAC D-110 06/17-07/25 66511 4:30p-7:20p M Tu W Th Patterson K SAC D-110 06/17-07/25 66510 6:00p-10:30p Tu Th Staff SAC D-109 06/18-08/08</p>						<p>This course provides students with a basic knowledge of field inspection roles and responsibilities of a Fire Inspector I including basic plan review, emergency access for an existing system, hazardous materials, and the operational readiness of fixed fire suppression systems, existing fire detection and alarm systems, and portable fire extinguishers.</p> <p>Prerequisite: Fire Technology 104, Fire Technology 105, and Fire Technology 106 with a minimum grade of C OR equivalent as determined by the Dean of academy instruction. To be successful in this course students must be able to: Identify and describe various types and uses of fire protection systems; Identify the different types and components of sprinkler, standpipe and foam systems; Identify the different type</p> <p>Material Fee(s): \$80.00</p> <p>74064 8:00a-5:00p M W Freeman S SAC H-205 07/08-07/15</p>					
ENGLISH 103H, HONORS CRITICAL THINKING AND WRITING 4.0 UNITS						FIRE OFFICER TRAINING 130D, FIRE INSPECTOR 1D: FIELD INSPECTOR 1.0 UNIT					
<p>Enriched and intensive exploration of historical and contemporary issues. Application of critical thinking, reading and reading skills to established argumentative methods and models through student-initiated discussion and problem-solving in a seminar setting.</p> <p>Prerequisite: English 101 or English 101H with a minimum grade of C and high school or college GPA of 3.0 or above.</p> <p>66517 8:00a-3:50p M Tu W Th F Sa Su Beyersdorf M SAC UCI 07/19-07/28</p>						<p>This course provides students with basic knowledge of the Fire Fighter 1's field inspection roles and responsibilities specific to California including tents, canopies, and temporary membrane structures; fireworks and explosives; and wildland urban interface environments.</p> <p>Prerequisite: Fire Technology 104, Fire Technology 105, and Fire Technology 106 with a minimum grade of C.</p> <p>Material Fee(s): \$80.00</p> <p>74066 8:00a-5:00p M W Freeman S SAC H-205 07/17-07/22</p>					

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES	SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
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FIRE TECHNOLOGY

FIRE TECHNOLOGY 101, FIRE PROTECTION ORGANIZATION 3.0 UNITS					
<i>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.</i>					
68137	8:00a-12:35p	Tu Th	Freeman S	SAC W-101	06/18-07/25
FIRE TECHNOLOGY 102, FIRE BEHAVIOR AND COMBUSTION 3.0 UNITS					
<i>This course explores the theories and fundamentals of how and why fires start, spread, and are controlled.</i>					
74208			Lunde T	SAC WEB	06/17-08/11
Section 74208 Online instruction. No on-campus meeting times. Students are required to log on to Canvas on the first day of classes: http://rscdd.instructure.com . Email instructor during the first week of class. (lunde_ty@sac.edu)					
FIRE TECHNOLOGY 103, PRINCIPLES OF FIRE AND EMERGENCY SERVICES SAFETY AND SURVIVAL 3.0 UNITS					
<i>This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services.</i>					
74346			Horner S	SAC WEB	06/17-08/11
Section 74346 Online instruction. No on-campus meeting times. Students are required to log on to Canvas on the first day of classes: http://rscdd.instructure.com . Email instructor during the first week of class. (horner_stephen@sac.edu)					

FRENCH

FRENCH 101, ELEMENTARY FRENCH I 5.0 UNITS					
<i>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.</i>					
73432	4:00p-6:30p	Th	Nabulsi A Nabulsi A	SAC HYBRID SAC D-303	06/17-08/11
Online instruction plus 5 mandatory on-campus meetings on Thursday, 6/20, 6/27, 7/11, 7/18, 7/25, 4:00p-6:30p, SAC D-303.					

GEOGRAPHY

GEOGRAPHY 100, WORLD REGIONAL GEOGRAPHY 3.0 UNITS					
<i>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.</i>					
66394			Conley J	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times.					
GEOGRAPHY 101, PHYSICAL GEOGRAPHY 3.0 UNITS					
<i>Introduction to the physical elements of geography: maps, earth/sun relationships, meteorology and climatology, natural vegetation, soils, and geomorphology.</i>					
66395	8:00a-11:20a	Tu Th	Garcia Sanchez J	SAC D-202	06/18-08/08
GEOGRAPHY 102, CULTURAL GEOGRAPHY 3.0 UNITS					
<i>An introductory survey of the geography of culture, and the influences of the physical environment on culture, along with the impact of human activity on the environment, and the role of culture within societies and social groups. The course includes global patterns of population, migration, religion, language, agriculture, politics, customs, resources, and urban and rural settlement.</i>					
66396			Conley J	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times.					

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>					
67585	9:00a-1:15p	M W	Hughes P	SAC R-111	06/17-07/24
GEOLOGY 101L, INTRODUCTION TO GEOLOGY LABORATORY 1.0 UNIT					
<i>Study of the common minerals and rocks. Map reading and interpretation of geology using topographic maps, geologic maps, and aerial photos.</i>					
Prerequisite: Geology 101 with a minimum grade of C or concurrent enrollment in Geology 101.					
67586	9:00a-1:50p	Tu Th	Hughes P	SAC R-111	06/18-07/25

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>					
66525	1:00p-5:15p	M W	Staff	SAC D-205	06/17-07/24
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>					
66527	12:30p-3:50p	Tu Th	Staff	SAC D-210	06/18-08/08
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>					
66528	8:00a-12:15p	M W	Staff	SAC D-213	06/17-07/24
66529	8:00a-12:35p	Tu Th	Stanfield A	SAC A-209	06/18-07/25
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>					
66530	8:00a-12:15p	M W	Ramirez A	SAC D-205	06/17-07/24
66531	6:00p-10:35p	Tu Th	Fernandez L	SAC D-205	06/18-07/25

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>					
66533	8:00a-11:10a	M Tu W Th	Veyna A	SAC D-212	07/15-08/08
66534	6:00p-9:20p	M Tu W Th	Romo V	SAC D-212	06/17-07/11
68479	6:00p-9:10p	M Tu W Th	Veyna A	SAC D-204	07/15-08/08
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 individuality, social status, family, reproduction, child care, slavery, jobs, and political activism. Legal impact and theories of patriarchal oppression raised.</i>					
66536	8:00a-12:35p	Tu Th	Lange M	SAC I-106	06/18-07/25

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>					
67902			Jones G	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
73998			Jones G	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
67915			Jones G	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
KINESIOLOGY ACTIVITIES 170A, BEGINNING YOGA 1.0 UNIT					
<i>This course is designed to increase flexibility and core muscle strength as a way of improving and enhancing physical and mental alertness through beginning yoga postures. Emphasis will be placed on mind body preparation and the proper technique necessary to perform these postures. This course is offered as a half unit or one unit class and may not be repeated.</i>					
67977	7:00a-8:25a	M Tu W Th	Celis J	SAC W-107	06/17-08/08
67957	12:00p-2:05p	M Tu W Th	Anderson R	SAC W-107	06/17-07/25
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. This course is offered as a half unit or one unit class and may not be repeated.</i>					
67986	2:45p-4:50p	M W	Breig D	SAC G-105	06/17-08/07
	4:50p-6:55p	Tu	Staff	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. This course is offered as a half unit or one unit class and may not be repeated.</i>					
Prerequisite: Kinesiology Activities 200A with a minimum grade of C.					
67987	2:45p-4:50p	M W	Breig D	SAC G-105	06/17-08/07
	4:50p-6:55p	Tu	Staff	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. This course is offered as a half unit or one unit class and may not be repeated.</i>					
Prerequisite: Kinesiology Activities 200B with a minimum grade of C.					
67988	2:45p-4:50p	M W	Breig D	SAC G-105	06/17-08/07
	4:50p-6:55p	Tu	Staff	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>					
67981	2:45p-7:00p	M W	Staff	SAC G-115	06/24-07/31
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.					
67982	2:45p-7:00p	M W	Staff	SAC G-115	06/24-07/31
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>					
67929	4:50p-6:55p	M W	Luppani M	SAC G-105	06/24-08/01
	2:45p-4:50p	Tu Th	Staff	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.					
67930	4:50p-6:55p	M W	Luppani M	SAC G-105	06/24-08/01
	2:45p-4:50p	Tu Th	Staff	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.					
67931	4:50p-6:55p	M W	Luppani M	SAC G-105	06/24-08/01
	2:45p-4:50p	Tu Th	Staff	SAC G-105	

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES	SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
KINESIOLOGY ACTIVITIES 260A, BEGINNING SOCCER 1.0 UNIT						KINESIOLOGY FITNESS 147A, BEGINNING WEIGHT TRAINING 1.0 UNIT					
<i>This course is an introduction to the beginning skills and rules associated with the sport of soccer. Emphasis will be placed on the proper technique used for these beginning skills as well as FIFA Laws of the Game. This course is offered as a half unit or one unit class and may not be repeated.</i>						<i>Introductory instruction in basic weight lifting concepts and experiential practice in large muscle area development utilizing guided and free weights. Development will be in muscle size or tone and strength or endurance. This course is offered as a half unit or one unit class and may not be repeated.</i>					
67970	11:30a-1:35p	M Tu W Th	Vasquez J	SAC G-118	06/17-07/26	67978	6:00p-8:05p	Tu W Th	Staff	SAC G-103	06/18-08/08
67886	2:00p-4:05p	M Tu W Th	Baquero J	SAC G-118	07/01-08/11	KINESIOLOGY FITNESS 147B, INTERMEDIATE WEIGHT TRAINING 1.0 UNIT					
KINESIOLOGY ACTIVITIES 260B, INTERMEDIATE SOCCER 1.0 UNIT						<i>This course is designed for students to increase their knowledge and skills competence in large muscle area development utilizing free weights. Individualized exercise programs are designed to teach students intermediate level strategies and techniques. Development will be in muscle size or tone and strength or endurance. This course is offered as a half unit or one unit class and may not be repeated.</i>					
<i>This course is designed to review and solidify the proper techniques associated with outdoor soccer and FIFA Laws of the Game. The intermediate skills necessary as well as the tactical aspects of the game will be introduced. Emphasis will be placed on improving the students technical abilities and tactical team formations used in the game of soccer. This course is offered as a half unit or one unit class and may not be repeated.</i>						Prerequisite: Kinesiology Fitness 147A with a minimum grade of C					
67971	11:30a-1:35p	M Tu W Th	Vasquez J	SAC G-118	06/17-07/26	67979	6:00p-8:05p	Tu W Th	Staff	SAC G-103	06/18-08/08
67889	2:00p-4:05p	M Tu W Th	Baquero J	SAC G-118	07/01-08/11	KINESIOLOGY HEALTH EDUCATION 101, HEALTHFUL LIVING 3.0 UNITS					
KINESIOLOGY ACTIVITIES 260C, ADVANCED SOCCER 1.0 UNIT						<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>					
<i>This course is designed to review and solidify the proper techniques associated with intermediate level outdoor soccer as well as the tactical aspects that were introduced. Emphasis will be placed on complete technical and tactical match preparedness and awareness. This course is offered as a half unit or one unit class and may not be repeated.</i>						68102 Breig D SAC WEB 06/17-08/11					
Prerequisite: Kinesiology Activities 260A with a minimum grade of C.						Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
67891	2:00p-4:05p	M Tu W Th	Baquero J	SAC G-118	07/01-08/11	68103	Breig D	SAC WEB			07/15-08/11
KINESIOLOGY ACTIVITIES 290A, BEGINNING VOLLEYBALL 1.0 UNIT						Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
<i>Instruction and practice in fundamental skills techniques, strategies, basic rules, team offense and defense, and team concepts of Volleyball.</i>						68104 Nyssen A SAC WEB 06/17-07/28					
67822	7:05p-8:30p	M Tu W Th	Abbey T	SAC G-105	06/17-08/11	Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
KINESIOLOGY ACTIVITIES 290B, INTERMEDIATE VOLLEYBALL 1.0 UNIT						KINESIOLOGY HEALTH EDUCATION 102, WOMEN'S HEALTH ISSUES 3.0 UNITS					
<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>						<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>					
67856	7:05p-8:30p	M Tu W Th	Abbey T	SAC G-105	06/17-08/11	67954	Nutter K	SAC WEB			06/17-07/14
KINESIOLOGY AEROBIC FITNESS						67955 Online instruction. No on-campus meeting times. Nutter K SAC WEB 07/15-08/11					
KINESIOLOGY AEROBIC FITNESS 156A, BEGINNING CARDIO KICKBOXING 1.0 UNIT						Online instruction. No on-campus meeting times.					
<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. This course is offered as a half unit or one unit class and may not be repeated.</i>						KINESIOLOGY HEALTH EDUCATION 103, MEN'S HEALTH ISSUES 3.0 UNITS					
67975	8:35a-10:00a	M Tu W Th	Celis J	SAC W-107	06/17-08/08	<i>Examines the societal, economic, cultural, and gender influences that shape men's health beliefs and practices. Explores specific health issues unique to men such as accessing health care, healthy relationships, domestic abuse, prostate cancer, and alcohol use. Critically examines literature and media to identify interventions within a masculinity framework to improve men's health outcomes. Identification of positive outcomes of healthy men at home, work, and in society.</i>					
KINESIOLOGY AEROBIC FITNESS 156B, INTERMEDIATE CARDIO KICKBOXING 1.0 UNIT						74002 Breig D SAC WEB 06/17-08/11					
<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. This course is offered as a half unit or one unit class and may not be repeated.</i>						Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
Prerequisite: Kinesiology Aerobic Fitness 156A with a minimum grade of C						KINESIOLOGY HEALTH EDUCATION 104, NUTRITION AND FITNESS 2.0 UNITS					
67976	8:35a-10:00a	M Tu W Th	Celis J	SAC W-107	06/17-08/08	<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>					
KINESIOLOGY AQUATICS						67805 Abbey T SAC WEB 07/15-08/11					
KINESIOLOGY AQUATICS 201A, BEGINNING SWIMMING 1.0 UNIT						67774 Abbey T SAC WEB 06/17-08/11					
<i>Instruction and experience in the basic stroke techniques and safety procedures of swimming. This course is offered as a half unit or one unit class and may not be repeated.</i>						Online instruction. No on-campus meeting times.					
67944	10:15a-12:20p	M Tu W Th	Nilles T	SAC G-121	06/17-07/25	KINESIOLOGY INTERCOLLEGIATE ATHLETICS 128, CONDITIONING FOR ATHLETES 1.0 UNIT					
KINESIOLOGY AQUATICS 201B, LAP SWIMMING 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>					
<i>Individualized swimming program designed to improve swimming techniques and cardiovascular fitness. Emphasis on endurance training. This course is offered as a half unit or one unit class and may not be repeated.</i>						67972 9:00a-11:05a M Tu W Th Vasquez J SAC G-118 06/17-07/25					
67945	10:15a-12:20p	M Tu W Th	Nilles T	SAC G-121	06/17-07/25	KINESIOLOGY INTERCOLLEGIATE ATHLETICS 128, CONDITIONING FOR ATHLETES 0.5 UNIT					
KINESIOLOGY FITNESS						<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>					
KINESIOLOGY FITNESS 112A, BEGINNING CIRCUIT TRAINING 1.0 UNIT						67815 12:00p-1:15p M Tu W Th Baquero J SAC G-103 07/01-08/08					
<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>						KINESIOLOGY INTERCOLLEGIATE ATHLETICS 227, OFF SEASON WATER POLO 1.0 UNIT					
67892	1:15p-2:40p	M Tu W Th	Breig D	SAC E-102	06/17-08/08	<i>This course is designed to provide skills development and conditioning for competitive water polo players to prepare for intercollegiate competition. Emphasis is placed upon instruction and experience in the fundamentals and strategies of the sport of water polo.</i>					
KINESIOLOGY FITNESS 112B, INTERMEDIATE CIRCUIT TRAINING 1.0 UNIT						67968 6:00a-8:05a M Tu W Th Staff SAC G-121 06/24-08/01					
<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>						KINESIOLOGY INTERCOLLEGIATE ATHLETICS 231, FOOTBALL CAMP 1.0 UNIT					
Prerequisite: Kinesiology Fitness 112A with a minimum grade of C/P or Kinesiology Fitness 110A with a minimum grade of P.						<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>					
67894	1:15p-2:40p	M Tu W Th	Breig D	SAC E-102	06/17-08/08	Material Fee(s): \$10.00					
KINESIOLOGY FITNESS 112C, ADVANCED CIRCUIT TRAINING 1.0 UNIT						67956 3:45p-6:05p Tu W Th Nyssen A SAC G-114 07/02-08/01					
<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>						3:00p-3:45p Tu W Th Nyssen A SAC G-103					
Prerequisite: Kinesiology Fitness 112B with a minimum grade of C/P or Kinesiology Fitness 110B with a minimum grade of P.						67918 3:45p-6:05p Tu W Th Jones G SAC G-114 07/02-08/01					
67895	1:15p-2:40p	M Tu W Th	Breig D	SAC E-102	06/17-08/08	3:00p-3:45p Tu W Th Jones G SAC G-103					
KINESIOLOGY FITNESS 114A, BEGINNING SPINNING 0.5 UNIT						KINESIOLOGY INTERCOLLEGIATE ATHLETICS 235, SPEED AND AGILITY 1.0 UNIT					
<i>This class is geared towards improving one's cardiovascular fitness and muscular strength through a spinning program on a stationary bike. The program covers two basic types of terrain: flat roads and hillst through changes in resistance and positions. Spinning emphasizes everyone's individual needs, regardless of athletic ability, taught in a group atmosphere. This course is offered as a half unit or one unit class and may not be repeated.</i>						<i>This class includes instruction on linear speed, non-linear speed, and jumping ability using state of the art plyometric training and speed specific training tools.</i>					
68286	6:30p-7:50p	M Tu W Th	Marino K	SAC E-102	06/17-07/25	67958 7:00p-9:50p M Tu Th Silva V SAC W-111 06/17-07/25					
KINESIOLOGY FITNESS 114B, INTERMEDIATE SPINNING 0.5 UNIT						KINESIOLOGY INTERCOLLEGIATE ATHLETICS 281, TRACK AND FIELD - OFF SEASON 1.0 UNIT					
<i>Individualized spinning program designed to improve spinning technique and cardiovascular fitness. Emphasis on endurance training. This course is offered as a half unit or one unit class and may not be repeated.</i>						<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>					
68287	6:30p-7:50p	M Tu W Th	Marino K	SAC E-102	06/17-07/25	67969 7:30a-9:35a M Tu W Th Mitzel M SAC G-113 06/24-08/01					

KINESIOLOGY HEALTH EDUCATION

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES	SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
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KINESIOLOGY PROFESSIONAL

KINESIOLOGY PROFESSIONAL 101, INTRODUCTION TO KINESIOLOGY 3.0 UNITS
 This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of sub-disciplines in kinesiology will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions.
 72185 Sos B SAC WEB 06/17-07/28
 Online instruction. No on-campus meeting times.

KINESIOLOGY PROFESSIONAL 110, KINESIOLOGY-RELATED OCCUPATIONAL WORK EXPERIENCE 1.0 UNIT
 This work experience course consists of supervised paid or unpaid employment in an Athletic, Allied Health, or Fitness related setting. It is designed to assist students in acquiring desirable work habits, attitudes, and skills related to the student's educational major. Credit may be accrued at the rate of one to eight units per semester for a maximum of sixteen units. Seventy five hours of paid work or sixty hours of unpaid work equals one unit of credit. Student repetition is allowed per title 5 section 55253; however, only 1 unit may be applied toward major requirements or a certificate.
 Open Entry / Open Exit
 67966 TBA Sos B SAC 06/17-08/09
 This section is designed for Fitness Specialist Program students who have completed KNPR 202 or equivalent. Athletic Training students need to contact the instructor before enrolling to ensure placement.

KINESIOLOGY PROFESSIONAL 125, SPORT PSYCHOLOGY 3.0 UNITS
 An academic and practical examination of the psychological aspects of sport concentrating on the scientifically proven methods of enhancing athletic performance through psychological training.
 67932 Luppini M SAC WEB 06/24-08/04
 Registration open for all students. Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

KINESIOLOGY PROFESSIONAL 150, SPORT AND SOCIETY 3.0 UNITS
 Examines the role of sport in modern society. Looks at how sport influences and shapes global attitudes among nations. Investigates the historical, social, economic, and political impact of sport on society.
 67940 Luppini M SAC WEB 06/24-08/04
 Registration open for all students. Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

KINESIOLOGY PROFESSIONAL 170, SPORT ETHICS 3.0 UNITS
 A class designed to examine ethics, moral questions, and value judgements related to sport. Its approach allows students to follow and analyze ethical arguments, think through philosophical issues, and apply them to the artistic expression of sport as well as everyday life.
 67923 Luppini M SAC WEB 06/17-08/11
 Registration open for all students. Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

LAW

LAW 100, INTRODUCTION TO LEGAL STUDIES 3.0 UNITS
 A study of the legal profession. A study of career opportunities and legal requirements to become a lawyer. A study of the ethics of the legal profession.
 67592 Robinson K SAC HYBRID 06/17-08/11
 11:30a-1:30p Tu Th Robinson K SAC A-205
 Online instruction plus mandatory meetings on every Tuesday and Thursday. There is no additional textbook cost for this ZTC class.

LAW 299, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL 1.0 - 4.0 UNITS
 This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, section 55253.
 Open Entry / Open Exit
 67593 TBA Smith K SAC A-107-1 06/17-08/11
 Mandatory meeting with instructor at SAC A-107-1. Contact instructor to schedule, smith_kim@sac.edu.

MANAGEMENT

MANAGEMENT 120, PRINCIPLES OF MANAGEMENT 3.0 UNITS
 Principles, methods, and procedures essential to the successful management of human and financial resources. Planning, decision making, staffing, directing, motivating, leading, communicating, controlling, and the application of managerial skills.
 67870 Shweiri G SAC WEB 06/17-08/11
 Online Instruction. No on-campus meeting times.

MANAGEMENT 122, BUSINESS COMMUNICATIONS 3.0 UNITS
 Overview of oral and written communication skills used in business; emphasizes guidelines for improving writing and speaking skills, common solutions to common communication problems, ethical issues facing business communicators today, instructions on how to identify areas of legal vulnerability, and tested techniques for communicating successfully in today's high-tech, international business environment. Suggested preparation: English 061 or English for Multi-lingual Students 112 or American College English 116.
 67868 Furlong E SAC WEB 06/17-08/11
 Online Instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.
 67911 8:00a-11:10a M W Furlong E SAC A-108 06/17-08/07
 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MANUFACTURING TECHNOLOGY

MANUFACTURING TECHNOLOGY 103, BEGINNING 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
 67813 6:00p-9:10p M W Buechler M SAC T-203 06/17-08/07

MANUFACTURING TECHNOLOGY 111, BASIC MECHANICAL BLUEPRINT READING 2.0 UNITS
 Reading and interpreting blueprints for manufacturing technologies.
 67816 6:00p-8:05p M W Bright T SAC I-109 06/17-08/07

MANUFACTURING TECHNOLOGY 114, GEOMETRIC DIMENSIONING AND TOLERANCING 3.0 UNITS
 Drawing interpretation utilizing geometric dimensioning and tolerancing (ANSI Y14.5) as applied in engineering, manufacturing, and inspection.
 Recommended Preparation: Manufacturing Technology 111 or Engineering 111 with a minimum grade of C.
 67818 6:00p-9:20p Tu Th Corley G SAC H-201 06/18-08/08

MANUFACTURING TECHNOLOGY 178, MASTERCAM LATHE 3.0 UNITS
 Computer assisted numerical control programming of machine tools using MASTERCAM lathe software. Emphasis placed on lathe toolpaths: facing, turning, grooving, boring, and threading.
 Prerequisite: Manufacturing Technology 171 and Manufacturing Technology 173 with a minimum grade of C.
 67821 6:00p-9:10p M W Singh N SAC T-203-1 06/17-08/07

MANUFACTURING TECHNOLOGY 195, MASTERCAM 5 AXIS MILL TOOLPATH AND APPLICATION 3.0 UNITS
 Students will use Mastercam Software and Blade Expert to create various Multi Axis Toolpaths. Course includes programming, setup and operation of a 5-Axis DMU-50 milling machine with Siemens CNC control to complete various student's group projects.
 Prerequisite: Manufacturing Technology 174 and Manufacturing Technology 175 with a minimum grade of C.
 73388 6:00p-9:20p Tu Th Singh N SAC T-203-1 06/18-08/08

MATHEMATICS

MATHEMATICS N48, PRE-ALGEBRA/ALGEBRA BASICS 4.0 UNITS
 For students who have little or no previous algebra experience. This course offers an introduction to basic algebra concepts, math vocabulary, and algebraic operations. This course is intended to be a bridge from basic arithmetic to elementary algebra. Not applicable to associate degree.
 Prerequisite: Mathematics N06 with a minimum grade of C or placement into Mathematics N48 according to the Santa Ana College Math Department's placement standards.
 67517 8:00a-11:05a M Tu W Th Rogers N SAC R-113 06/17-07/25
 67518 7:00p-10:05p M Tu W Th Mahoney J SAC R-113 06/17-07/25

MATHEMATICS 083, BEGINNING AND INTERMEDIATE ALGEBRA FOR LIBERAL ARTS AND SOCIAL SCIENCE 6.0 UNITS
 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.
 Prerequisite: Mathematics N48 with a minimum grade of C or placement into Mathematics 083 according to the Santa Ana College Mathematics Department's placement standards.

67531 Everett M SAC WEB 06/17-07/28
 Section 67531 Online instruction plus on-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC H-109. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019:
rscdd.instructure.com

67533 Vu D SAC WEB 06/17-07/28
 Section 67533 Online instruction plus on-campus exam meeting times: Fri. 7/05 and 7/26, 4:00p-6:00p, SAC H-107. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: **rscdd.instructure.com**. Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.
 67519 8:00a-11:25a M Tu W Th F Everett M SAC R-101 06/17-07/26
 67522 6:00p-9:25p M Tu W Th F Lui R SAC R-101 06/17-07/26

MATHEMATICS 084, BEGINNING AND INTERMEDIATE ALGEBRA 6.0 UNITS
 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.
 Prerequisite: Mathematics N48 with a minimum grade of C or placement into Mathematics 084 according to the Santa Ana College Mathematics Department's placement standards.
 67536 Solheid C SAC WEB 06/17-07/28
 Section 67536 Online instruction plus on-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC L-203. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019:
rscdd.instructure.com

67534 8:00a-11:25a M Tu W Th F Mishal A SAC R-119 06/17-07/26
 67535 6:00p-9:25p M Tu W Th F Hager B SAC R-119 06/17-07/26

MATHEMATICS 105, MATHEMATICS FOR LIBERAL ARTS STUDENTS 3.0 UNITS
 An overview of mathematics for the liberal arts student. Topics will include problem solving, financial management, probability, statistics, and selected other topics such as set theory, geometry, logic, mathematical modeling, and the history of mathematics.
 Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 105 according to the Santa Ana College Mathematics Department's placement standards.

74244 Bradley K SAC WEB 06/17-07/28
 Section 74244 Online instruction plus on-campus exam meetings: week of 7/1 in the Assessment Center and Thur. 7/25, 2:30p-4:00p in SAC H-104. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019:
rscdd.instructure.com

67537 5:30p-7:40p M Tu W Th Pilz L SAC H-107 06/17-07/25

MATHEMATICS 140, COLLEGE ALGEBRA 4.0 UNITS
 Survey of advanced topics in algebra: equations, inequalities and functions involving polynomials, rationals, exponentials, and logarithms with applications and graphing; sequences and series.
 Prerequisite: Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 140 according to the Santa Ana College Math Department's placement standards.
 67541 Bradley K SAC WEB 06/17-07/28
 Section 67541 Online instruction plus on-campus exam meetings: week of 7/1 in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC H-104. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: **rscdd.instructure.com**. Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES	SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
67542			McKowan-Bourguignon L	SAC WEB	06/17-07/28	67557			Romero M	SAC WEB	06/17-07/28
<p>Section 67542 Online instruction plus on-campus meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC R-124. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.</p>						<p>Section 67557 Online instruction plus on-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thurs. 7/25, 4:00p-6:00p, SAC R-114. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rsccd.instructure.com.</p>					
67543			McKowan-Bourguignon L	SAC WEB	06/17-07/28	67558			Romero M	SAC WEB	06/17-07/28
<p>Section 67543 Online instruction plus on-campus meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC R-124. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rsccd.instructure.com. Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.</p>						<p>Section 67558 Online instruction plus on-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thurs. 7/25, 6:15p-8:15p, SAC R-114. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: rsccd.instructure.com.</p>					
67539	7:30a-10:35a	M Tu W Th	Lechuga J	SAC H-104	06/17-07/25	67551	8:00a-11:05a	M Tu W Th	Sweeney G	SAC H-108	06/17-07/25
<p>Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.</p>						<p>Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.</p>					
67540	6:00p-9:05p	M Tu W Th	Bradley K	SAC H-104	06/17-07/25	67552	2:30p-5:35p	M Tu W Th	Lui R	SAC H-108	06/17-07/25
<p>Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.</p>						<p>67553 6:00p-9:05p M Tu W Th Maiah A SAC H-108 06/17-07/25</p>					

MATHEMATICS 150, CALCULUS FOR BIOLOGICAL, MANAGEMENT AND SOCIAL SCIENCES 4.0 UNITS
Single and multi-variable calculus including limits, derivatives, integrals, exponentials, and logarithmic functions and partial derivatives. Applications are drawn from biology, social science, and business.

Prerequisite: Mathematics 140 or Mathematics 145 with a minimum grade of C; or placement into Mathematics 150 on the Mathematics Level 3 Placement Exam and a course equivalent to Mathematics 140.
 67544 6:00p-9:50p M Tu W Th Mishal A SAC H-109 06/17-07/25
 Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

MATHEMATICS 162, TRIGONOMETRY 4.0 UNITS
Angles and their measurement, trigonometric 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: Mathematics 140 with a minimum grade of C or equivalent skills as measured by placement into Math 162 according to the Santa Ana College Math Department's placement standards.

67546 7:30a-10:35a M Tu W Th Oh S SAC I-201 06/17-07/25

MATHEMATICS 180, SINGLE VARIABLE CALCULUS I 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 140 and Mathematics 162 or Mathematics 170 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 180 according to the Santa Ana College Mathematics Department's placement standards.

74245 Solheid C SAC WEB 06/17-07/28
 Section 74245 Online instruction plus on-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC R-126. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: **rsccd.instructure.com**

67547 11:15a-2:20p M Tu W Th Ro K SAC I-204 06/17-07/25
 67548 6:30p-9:35p M Tu W Th Bui M SAC I-204 06/17-07/25

MATHEMATICS 185, SINGLE VARIABLE CALCULUS II 4.0 UNITS
Applications of integrals, including volumes, work, arc length, and surface area. Integration techniques, differential equations, conics, parametric equations, polar coordinates, improper integrals, sequences, and infinite series.

Prerequisite: Mathematics 180 or Mathematics 180H with a minimum grade of C.

74246 Everett M SAC WEB 06/17-07/28
 Section 74246 Online instruction plus on-campus exam meetings: Week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 3:45p-5:45p in SAC R-128. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: **rsccd.instructure.com**. Your instructor has elected to use Open Educational Resources(OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.

67549 8:00a-11:05a M Tu W Th Smith S SAC I-204 06/17-07/25
 67550 6:30p-9:35p M Tu W Th Yi P SAC H-105 06/17-07/25

MATHEMATICS 204, MATHEMATICAL CONCEPTS FOR ELEMENTARY SCHOOL TEACHERS 4.0 UNITS
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.

Prerequisite: Math 083 or MATH 084 with a minimum grade of C or equivalent skills as measured by placement into Math 204 according to the Santa Ana College Math Department's placement standards.
 67714 8:00a-11:05a M Tu W Th Corp R SAC H-109 06/17-07/25

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

Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C or equivalent skills as measured by placement into Mathematics 219 according to the Santa Ana College Math Department's placement standards.

67555 Sweeney G SAC WEB 06/17-07/28
 Section 67555 Online instruction plus on-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC R-113. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: **rsccd.instructure.com**. Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.

67556 Tolentino J SAC WEB 06/17-07/28
 Section 67556 Online instruction plus on-campus exam meetings: week of 7/1 (no later than 7/3) in the Assessment Center and Thur. 7/25, 4:00p-6:00p in SAC H-105. Students are required to log on to Canvas, read course documents and complete first day assignments no later than 6/17/2019: **rsccd.instructure.com**. Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.

MEDICAL ASSISTANT

MEDICAL ASSISTANT 030, PHEBOTOMY 1.0 UNIT
This phlebotomy course is designed for health care workers and provides a comprehensive introduction to the practice of phlebotomy, with focus on safety procedures, equipment and point-of-care testing.

74210 Emley C SAC HYBRID 07/15-08/23
 Emley C SAC R-307
 On-line instruction with on-campus meeting times on 8/16/19 and 8/23/19 from 9:00am to 3:00pm in R-307.

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.

74209 Emley C SAC WEB 06/17-07/14
 Online instruction. No on-campus meeting times.
 67602 Emley C SAC WEB 07/15-08/11
 Online instruction. No on-campus meeting times.

MEDICAL ASSISTANT 051B, ADVANCED MEDICAL TERMINOLOGY 3.0 UNITS
Continuation of Medical Assistant 051A. Includes medical terms related to anatomy, physiology, diagnostic tests and pathology of the nervous, cardiovascular, respiratory, circulatory, musculoskeletal, skin, sensory, and the endocrine systems.

Prerequisite: Medical Assistant 051A with a minimum grade of C.
 67603 Emley C SAC WEB 07/15-08/11
 Online instruction. No on-campus meeting times.

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, generating reports, electronic data interchange and electronic medical records.

Prerequisite: Medical Assistant 051A and Medical Assistant 053 with a minimum grade of C.
 67599 Seitz C SAC HYBRID 06/17-07/14
 Online instruction plus mandatory meeting on 6/17/19, 5:00p-9:00p, SAC R-303-1.

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.

67779 Jones E SAC WEB 06/17-07/28
 Online instruction. No on-campus meeting times. Online Degree Pathway course. Registration open for all students. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.

67780 Luevano R SAC WEB 06/17-07/28
 Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.

67781 5:30p-10:20p Tu Th Briones M SAC N-114 06/18-07/25
 Your instructor has elected to use Open Educational Resources (OER) for this course and will provide a link to your course materials. There is only a \$10 material fee. There is no additional textbook cost.

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.

67782 Briones M SAC WEB 06/17-07/28
 Online instruction. No on-campus meeting times. There is no additional textbook cost for this ZTC class.

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.

67783 8:00a-11:10a M Tu W Th Marr J SAC N-114 07/15-08/08

MUSIC 141, INSTRUMENTAL ENSEMBLES 1.0 UNIT
Study, rehearsal, and performance of music for small commercial instrumental groups. Music literature will differ each semester. Previous instrumental performance experience recommended.



67784 6:00p-10:15p M W Briones M SAC N-114 06/17-07/24

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.


67785 6:30p-7:45p M W Briones M SAC N-114 06/17-07/24
 7:55p-9:10p M W Briones M SAC N-114

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
MUSIC 161, CLASS PIANO I 1.0 UNIT					
<i>Group instruction for beginners emphasizing note reading, basic keyboard skills, chord patterns and sight reading. Practice outside of class required. Practice pianos available on campus. Required for music majors whose principal instrument is not piano.</i>					
67786	10:00a-10:50a M W		Lee S	SAC N-106	06/17-08/07
	11:00a-12:05p M W		Lee S	SAC N-106	
MUSIC 169, HARMONIZATION AT THE KEYBOARD 1.0 UNIT					
<i>Beginning keyboard harmonization skills. Includes playing by ear and learning accompaniment patterns in several styles from simple chord progressions.</i>					
Recommended Preparation: Music 161 with a minimum grade of C or similar beginning experience playing the piano.					
67787	6:30p-7:55p Tu Th		Nguyen H	SAC N-106	06/18-07/25
	8:05p-9:30p Tu Th		Nguyen H	SAC N-106	
MUSIC 269, INTERMEDIATE HARMONIZATION AT THE KEYBOARD 1.0 UNIT					
<i>Intermediate keyboard harmonization skills. Includes playing by ear and learning accompaniment patterns in jazz, popular and classical styles using a variety of chord progressions.</i>					
Prerequisite: Music 169 with a minimum grade of C.					
67790	6:30p-7:55p Tu Th		Nguyen H	SAC N-106	06/18-07/25
	8:05p-9:30p Tu Th		Nguyen H	SAC N-106	

NUTRITION AND FOOD

NUTRITION AND FOOD 115, NUTRITION 3.0 UNITS					
<i>Scientific concepts of nutrition related to the function of nutrients in basic life processes and current health issues with emphasis on individual needs.</i>					
Recommended Preparation: English 101 or English 101H					
	67826		Rickrode T	SAC WEB	06/17-08/11
Online instruction. No on-campus meetings. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
	67827		Rickrode T	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					



OCCUPATIONAL STUDIES


OCCUPATIONAL STUDIES 403, LEADERSHIP FOR THE OCCUPATIONAL THERAPY ASSISTANT (OTA) 2.0 UNITS					
<i>This course will explore leadership roles that are available to the OTA and the skills that are needed to assume them. The focus will be on leadership, advocacy, marketing, quality improvement, supervision, and scholarship. Students will also explore volunteerism and active participation in professional organizations.</i>					
	67812		Parolise M	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times.					

OCCUPATIONAL THERAPY ASSISTANT


OCCUPATIONAL THERAPY ASSISTANT 110, HUMAN OCCUPATION ACROSS LIFESPAN 3.0 UNITS					
<i>This course will explore human occupation across lifespan with an emphasis on the relationship between human development and occupational choice. Physical, cognitive, psychological, social, and linguistic developmental milestones and changes will be covered from fetal development through old age.</i>					
73389	3:30p-6:50p Tu Th		Staff	SAC T-210	06/18-08/08

PARALEGAL

PARALEGAL 100, THE PARALEGAL PROFESSION 3.0 UNITS					
<i>A study of the paralegal/legal assistant profession. A study of career opportunities and legal requirements to become a paralegal/legal assistant. A study of the ethics of the legal profession.</i>					
	67594		Robinson K	SAC HYBRID	06/17-08/11
		11:30a-1:30p Tu Th	Robinson K	SAC A-205	
Online instruction plus mandatory meetings on every Tuesday and Thursday. There is no additional textbook cost for this ZTC class.					

PARALEGAL 101, LAW OFFICE MANAGEMENT 2.0 UNITS					
<i>Structure and procedures of the law office. Emphasis on organization of filing systems; litigation management; calendaring; tickler systems; indexing and summarizing documents; timekeeping; fees and billing; job search; and law office layout.</i>					
	67595		Manzano F	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

PARALEGAL 105, COOPERATIVE WORK EXPERIENCE EDUCATION - OCCUPATIONAL 1.0 - 4.0 UNITS					
<i>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.</i>					
67596	TBA		Smith K	SAC A-107-1	06/17-08/11
Mandatory meeting with instructor at SAC A-107-1. Contact instructor to schedule, smith_kim@sac.edu.					

PARALEGAL 121, ETHICS AND PROFESSIONAL RESPONSIBILITY 2.0 UNITS					
<i>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.</i>					
	67597		Manzano F	SAC WEB	06/17-08/11
Online Instruction. No on-campus meeting times.					

PARALEGAL 134, PROBATE LAW AND PROCEDURE 2.0 UNITS					
<i>Probate and estate planning procedures. Skills required to draft probate documents, assist attorneys in administration of estates, and monitoring asset and fiduciary accountings. Basic probate laws, wills, trusts, and taxes. Field trip may be required.</i>					
73425	7:00p-9:05p M W		Staff	SAC A-226	06/17-08/07

PHARMACY TECHNOLOGY

PHARMACY TECHNOLOGY 048, INTRODUCTION TO PHARMACY TECHNOLOGY 2.0 UNITS					
<i>Overview of the SAC Pharmacy Technician training program. Definition of the roles and preview of the opportunities open to pharmacy technicians in various practice settings. Presentation of pharmaceutical dosage forms, the drug development process, and drug classification systems. Introduction to prescription labeling and to the law and ethics of pharmacy practice.</i>					
67829	7:15p-9:20p M W		Ross Jr J	SAC H-210	06/17-08/07

PHARMACY TECHNOLOGY 051, BODY SYSTEMS I 3.5 UNITS					
<i>Anatomy, physiology, pathology, and pharmacology of the musculoskeletal, respiratory, renal, and cardiovascular systems. Basic terminology, with emphasis on word analysis and construction, medical abbreviations, and lay terms. Trade/generic names and indications for each body system.</i>					
67838	6:00p-10:05p Tu Th		Nguyen H	SAC H-210	06/18-08/08

PHARMACY TECHNOLOGY 054A, BEGINNING PHARMACY CALCULATIONS 1.0 UNIT					
<i>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.</i>					
Recommended Preparation: Mathematics N06					
67844	5:00p-7:05p M W		Ross Jr J	SAC H-210	06/17-07/10

PHARMACY TECHNOLOGY 054B, ADVANCED PHARMACY CALCULATIONS 1.0 UNIT					
<i>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.</i>					
Prerequisite: Pharmacy Technology 054A with a minimum grade of C.					
67845	5:00p-7:05p M W		Ross Jr J	SAC H-210	07/15-08/07


PHARMACY TECHNOLOGY 072A, PHARMACY TECHNOLOGY EXTERNSHIP OUTPATIENT 0.5 - 1.5 UNITS					
<i>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.</i>					
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.					
Open Entry / Open Exit					
67846	TBA		Dombroske L	SAC H-210	06/10-08/11


PHARMACY TECHNOLOGY 072B, PHARMACY TECHNOLOGY EXTERNSHIP INPATIENT 0.5 - 2.5 UNITS					
<i>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.</i>					
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.					
Open Entry / Open Exit					
67847	TBA		Dombroske L	SAC H-210	06/10-08/11

PHARMACY TECHNOLOGY 072C, PHARMACY TECHNOLOGY EXTERNSHIP STERILE PRODUCTS 0.5 - 2.5 UNITS					
<i>On-site training in the home infusion or sterile products pharmacy practice setting. Students must complete the following lab course prior to placement: PHAR 060. 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.</i>					
Prerequisite: Pharmacy Technology 060 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.					
Open Entry / Open Exit					
67848	TBA		Dombroske L	SAC H-210	06/10-08/11

PHILOSOPHY

PHILOSOPHY 106, INTRODUCTION TO PHILOSOPHY 3.0 UNITS					
<i>A survey of historical and contemporary ideas on how to live the good life.</i>					
66539	8:00a-11:10a M Tu W Th		Broccatto C	SAC D-201	07/15-08/08
66542	6:00p-10:35p Tu Th		Blake H	SAC D-208	06/18-07/25

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>					
	66544		Fish Z	SAC WEB	06/17-08/11
Available for Online Degree Pathway students. Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
66543	6:00p-10:15p M W		Rodriguez A	SAC D-105	06/17-07/24

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 or English 101H with a minimum grade of C.					
	66547		Fish Z	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times. There is no additional textbook cost for this ZTC class.					

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
66546	8:00a-12:30p	M Tu W Th	Brocatto C	SAC D-303	06/17-07/11
66545	6:00p-10:30p	Tu Th	Brocatto C	SAC D-105	06/18-08/08
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>					
66548	8:00a-12:15p	M Tu W Th	Fish Z	SAC D-303	07/15-08/08
There is no additional textbook cost for this ZTC class.					

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>					
68035	9:00a-1:15p	Tu W Th	Marquez P	SAC C-202	07/16-08/08
68036	2:00p-6:15p	Tu W Th	Marquez P	SAC C-202	07/16-08/08
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					
68031	9:00a-10:20a	M Tu W Th	Rico J	SAC A-219	06/17-07/25
	10:30a-12:35p	M Tu W Th	Rico J	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.					
67273	9:15a-11:25a	M Tu W Th	Staff	SAC R-328	06/17-07/25
	11:45a-1:55p	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>					
66551	8:00a-12:35p	Tu Th	Andrade P	SAC D-101	06/18-07/25
66555	8:00a-12:35p	Tu Th	Valenzuela E	SAC D-101	07/02-08/08
66553	9:15a-11:20a	M Tu W Th	Murphy T	SAC D-106	07/01-08/08
66550	11:30a-1:35p	M Tu W Th	Murphy T	SAC D-106	07/01-08/08
66556	12:30p-4:45p	M W	Petri M	SAC D-101	06/17-07/24
66554	12:40p-5:15p	Tu Th	Andrade P	SAC D-101	06/18-07/25
66552	5:40p-10:15p	Tu Th	Becker C	SAC D-106	07/02-08/08
66549	6:00p-10:15p	M W	Becker C	SAC D-106	07/01-08/07

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>					
66561			Castillo R	SAC WEB	06/17-07/26
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
66563			Ortiz R	SAC WEB	06/17-07/21
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
66558	8:00a-10:05a	M Tu W Th	Pedroza J	SAC D-434	06/17-07/25
66560	11:00a-1:05p	M Tu W Th	Pedroza J	SAC D-305	06/17-07/25
PSYCHOLOGY 157, INTRODUCTION TO CHILD PSYCHOLOGY 3.0 UNITS					
<i>Survey of human development from conception through adolescence. Covers major theories of development (cognition, perception, language, personality, social, etc.) and their application to parenting, teaching, and other interactions with children. (No credit if student has taken Child Development 107.)</i>					
66568			Ortiz R	SAC WEB	06/17-07/12
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
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>					
Prerequisite: Mathematics 083 or Mathematics 084 with a minimum grade of C; OR placement into Psychology 210 on the Mathematics Level 3 placement Exam and a course equivalent to Mathematics 083 or Mathematics 084.					
66569			Castillo R	SAC WEB	06/17-07/26
Online instruction. No on-campus meeting times.					
66566	6:00p-10:00p	Tu W Th	Ortiz F	SAC A-207	06/18-07/25

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>					
Prerequisite: Social Science 219 or Mathematics 219 or Psychology 210(may be taken concurrently) and Psychology 100 with a minimum grade of C.					
66570	11:00a-1:05p	M W	Staff	SAC A-207	06/17-08/07
	1:15p-4:25p	M W	Staff	SAC A-207	

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
PSYCHOLOGY 240, INTRODUCTION TO SOCIAL PSYCHOLOGY 3.0 UNITS					
<i>An exploration of the interlocking dynamics of psychology and sociology focusing on the impact of social groups on individuals and on other groups. Content includes self-development, interaction, attitudes, conformity, friendship, love, aggression, group dynamics.</i>					
Prerequisite: Psychology 100 or Sociology 100 with a minimum grade of C.					
66572			Ortiz R	SAC WEB	06/17-07/28
Online instruction. No on-campus meeting times.					

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.					
66574			Castillo R	SAC WEB	06/17-07/26
Online instruction. No on-campus meeting times.					

READING

READING N80, FUNDAMENTALS OF READING 3.0 UNITS					
<i>Instruction in basic reading skills including techniques for improving vocabulary and spelling, word attack skills, and reading comprehension. Recommended for students in English N60 or EMLS 055 or 107. Not applicable to associate degree.</i>					
66576	8:00a-10:05a	M Tu W Th	Colunga M	SAC D-305	06/17-07/25
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.</i>					
Recommended Preparation: Completion of or concurrent enrollment in English 101 or English 101H is recommended.					
66578			Gilreath G	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times.					

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>					
66402	5:30p-6:50p	Th	O'Dell R	SAC HYBRID	06/17-07/28
Online instruction plus mandatory on-campus meetings on Thursday, 5:30p-6:50p, SAC D-213.					
66398	8:00a-12:15p	M W	Campbell A	SAC D-214	06/17-07/24
Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
66399	8:00a-11:20a	Tu Th	Torres S	SAC D-213	06/18-08/08
Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					
66401	11:00a-2:20p	Tu Th	King Y	SAC D-208	06/18-08/08
66400	6:00p-9:10p	M W	Torres S	SAC D-214	06/17-08/07
Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					

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>					
66404			O'Dell R	SAC WEB	06/17-08/11
Available for Online Degree Pathway students. Online instruction. No on-campus meeting times.					
66405			O'Dell R	SAC WEB	06/17-08/11
Online instruction. No on-campus meeting times.					
66403	8:00a-12:35p	Tu Th	Campbell A	SAC D-214	06/18-07/25
Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.					

SPANISH

SPANISH 101, ELEMENTARY SPANISH I 5.0 UNITS					
<i>Practice and integration of pronunciation, grammar, vocabulary, common idioms, listening, speaking, reading, and writing techniques for the expression of ideas orally and in writing. Introduction to Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 101 is equivalent to two years of high school Spanish.</i>					
66580	10:00a-12:30p	M	Galvan J	SAC HYBRID	06/17-07/28
Online instruction plus 5 mandatory on-campus meetings on Monday, 6/17, 6/24, 7/8, 7/15, 7/22, 10:00a-12:30p, SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials.					
66582	1:00p-3:30p	M	Galvan J	SAC HYBRID	06/17-07/28
Online instruction plus 5 mandatory on-campus meetings on Monday, 6/17, 6/24, 7/8, 7/15, 7/22, 1:00p-3:30p, SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials.					
66585	12:00p-2:30p	Tu	Guerrero-Phlaum M	SAC HYBRID	06/17-07/28
Online instruction plus 5 mandatory on-campus meetings on Tuesday, 6/18, 6/25, 7/9, 7/16, 7/23, 12:00p-2:30p, SAC D-302. This class requires the book "Puntos de partida" with the electronic code for online lab materials.					
66586	2:00p-4:30p	Th	Lopez-Jaurequi L	SAC HYBRID	06/17-07/28
This section is designed for Spanish speakers. Online instruction plus 5 mandatory on-campus meetings on Thursday, 6/20, 6/27, 7/1, 7/18, 7/25, 2:00p-4:30p, SAC D-302. This class requires the book "Mundo 21" with the electronic code for online lab materials.					

SECTION	TIME	DAYS	FACULTY	LOCATION	DATES	SECTION	TIME	DAYS	FACULTY	LOCATION	DATES
SPANISH 101H, HONORS ELEMENTARY SPANISH I 5.0 UNITS						THEATRE ARTS 150A, REHEARSAL AND PERFORMANCE IN PRODUCTION 2.0 UNITS					
<i>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.</i>						<i>Practical experience in performance production culminating in a series of public performances. All actors must audition and be cast prior to enrolling.</i>					
66587	8:00a-11:35a	M Tu W Th	Fuentes Sanchez A	SAC D-210	06/17-07/25	67999	TBA		Chamberlain A	SAC P-100	06/17-08/09
						11 arranged hours per week.					

SPANISH 102, ELEMENTARY SPANISH II 5.0 UNITS						THEATRE ARTS 150B, TECHNICAL THEATRE IN PRODUCTION 2.0 UNITS					
<i>A college-level Spanish class focusing on further training in language skills providing avenues for the expression of ideas orally and in writing. Additional study of Hispanic culture. Designated sections focus on skills for Spanish speakers. Spanish 102 is equivalent to the third year of high school Spanish.</i>						<i>Students will gain practical experience in the application of production responsibilities in any of the following: stage management, scenery construction, properties, costume, lighting, or sound. This course culminates into a series of public performances. All student technicians must obtain instructor approval prior to enrolling.</i>					
Prerequisite: Spanish 101 or Spanish 101H or two years of high school Spanish with a minimum grade of C.						11 arranged hours per week.					
66589	9:00a-11:20a	Tu	Guerrero-Phlaum M	SAC HYBRID	06/17-07/28	68000	TBA		Chamberlain A	SAC P-100	06/17-08/09
						11 arranged hours per week.					

WELDING

WELDING 108, OXYACETYLENE-ARC WELDING 3.0 UNITS						WELDING 125A, INTERMEDIATE ARC WELDING LEVEL I 3.0 UNITS					
<i>Technical knowledge and basic skills needed for occupational oxyacetylene and arc welding processes and applications. Students must furnish safety equipment.</i>						<i>This is a course designed to improve the student's previously acquired arc welding skills and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using the shielded metal arc welding process E-7018 (SMAW).</i>					
73344	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08	73339	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08
73390	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09	73391	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09

WELDING 125B, INTERMEDIATE ARC WELDING LEVEL II 3.0 UNITS						WELDING 129A, ADVANCED ARC WELDING LEVEL I 3.0 UNITS					
<i>This is a course designed to improve the student's prior acquired arc welding skills and prepare the student to pass the welding certification test. Student is introduced to the preparation of the 1" plate. This course will introduce the students to the Licensing Class D1.1. rules and regulations from the Department of Building and Safety with the city of Los Angeles. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using the shielded metal arc welding process E-7018 (SMAW).</i>						<i>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.</i>					
Prerequisite: Welding 108 with a minimum grade of C.						Prerequisite: Welding 108 with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.					
73339	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08	73340	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08
73391	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09	73392	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09

WELDING 129B, ADVANCED ARC WELDING LEVEL II 3.0 UNITS						WELDING 129C, ADVANCED ARC WELDING LEVEL III 3.0 UNITS					
<i>This is a course designed to advance the student's previously acquired arc welding skills and prepare the student to pass the welding certification test. Emphasis is placed on welding in the vertical and overhead positions and the preparation of the test plates (1" steel), using the shielded metal arc welding process (SMAW) E-7018 according to the American Welding Society rules and regulations D1.1 Code Book.</i>						<i>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.</i>					
Prerequisite: Welding 125A with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.						Prerequisite: Welding 129A with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.					
73340	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08	67905	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08
73392	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09	73395	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09

WELDING 129D, ADVANCED ARC WELDING LEVEL IV 3.0 UNITS						WELDING 139A, INERT GAS WELDING LEVEL I 3.0 UNITS					
<i>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).</i>						<i>This course will introduce the student to gas tungsten arc welding (GTAW) and metal inert gas welding (MIG) of aluminum, mild steel and stainless steel.</i>					
Prerequisite: Welding 129C with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.						Prerequisite: Welding 108 with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills.					
67906	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08	73341	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08
73396	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09	73397	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09

WELDING 139B, INERT GAS WELDING LEVEL II 3.0 UNITS						WELDING 139C, INERT GAS WELDING LEVEL III 3.0 UNITS					
<i>This course is intended to further the welding skills of the student in gas tungsten arc welding (GTAW) and metal inert gas (MIG) process. Special emphasis is placed on the horizontal position of aluminum, mild steel and stainless steel.</i>						<i>This course is designed to further the welding skills of the student in gas tungsten arc welding (GTAW) and metal inert gas (MIG) process. Special emphasis is placed on the horizontal position of aluminum, mild steel and stainless steel.</i>					
Prerequisite: Welding 139A with a minimum grade of C or satisfactory completion of proficiency exam in inert gas welding skills administered by the SAC Welding Instructor.						Prerequisite: Welding 139A with a minimum grade of C or satisfactory completion of proficiency exam in inert gas welding skills administered by the SAC Welding Instructor.					
73343	1:00p-1:50p	Tu Th	Diamond Z	SAC K-115	06/18-08/08	73398	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09
73398	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09						

STUDY SKILLS

STUDY SKILLS 109, COLLEGE LEARNING SKILLS 3.0 UNITS											
<i>This course provides effective success strategies to enhance student self-development, academic, and lifelong learning skills for the college student. The techniques include values, goal-setting, dealing with money, stress management, diversity, motivation, health, and time-management. Students learn personal growth methods and develop strategies to effectively deal with issues to ensure personal, educational, and career success.</i>											
66859			Robledo J	SAC WEB	06/17-08/11						
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.											
73855	1:00p-3:50p	Tu W Th	Staff	SAC CHS	06/10-07/23						
74410	1:00p-3:50p	Tu W Th	Staff	SAC CHS	06/10-07/23						

TV/VIDEO COMMUNICATIONS

TV/VIDEO COMMUNICATIONS 103, HISTORY OF FILM TO 1945 3.0 UNITS											
<i>A survey course exploring film as an art form and developing appreciation of historical, artistic, and technical advances from 1890s to 1945.</i>											
67802			Taylor M	SAC WEB	06/17-08/11						
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. A Netflix subscription is required for this course to watch the movies that are not available on YouTube or any other websites. There is no additional textbook cost for this ZTC class.											

TV/VIDEO COMMUNICATIONS 104, HISTORY OF FILM FROM 1945 TO PRESENT 3.0 UNITS											
<i>A lecture/visual aids course exploring film as an art form and developing appreciation of historical, artistic and technical advances.</i>											
74248			Dermody M	SAC WEB	06/17-08/11						
Online instruction. No on-campus meeting times.											
67803	8:30a-11:40a	M W	Lunel E	SAC A-210	06/17-08/07						

TV/VIDEO COMMUNICATIONS 125, COOPERATIVE WORK EXPERIENCE- OCCUPATIONA EFFECTS 1.0 - 2.0 UNITS											
<i>This work experience course of supervised employment is designed to assist students to acquire desirable work habits, attitudes and skills in a field related to the students' major so as to enable them to become productive employees. This course also provides students with career awareness for jobs. 75 hours of paid work or 60 hours of un-paid work equals one unit of course credit. Student repetition is allowed per Title 5, Section 55253.</i>											
67804	TBA		Taylor M	DMC-135	06/17-08/08						

THEATRE ARTS

THEATRE ARTS 100, INTRODUCTION TO THEATRE 3.0 UNITS											
<i>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.</i>											
67998			Cannon C	SAC WEB	06/17-07/14						
Online instruction. No on-campus meeting times. Your instructor has elected to use Open Educational Resources (OER) for this class and will provide a link to your course materials. There is no additional textbook cost for this ZTC class.											

THEATRE ARTS 105, THEATRE HISTORY 1 3.0 UNITS											
<i>The study of the history of theatre from the origins of Theatre through the 19th century. The history and development of theatre and drama are studied in relationship to cultural, political, and social conditions of the time. Plays are studied for analysis of structure, plot, character, and historical relevance.</i>											
71970			Cannon C	SAC WEB	06/17-07/12						
Online instruction. No on-campus meeting times.											

SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES	SECTION	TIME	DAY	INSTRUCTOR	LOCATION	DATES
WELDING 140A, WELDING CERTIFICATION TRAINING LEVEL I						WELDING 140B, WELDING CERTIFICATION TRAINING LEVEL II					
3.0 UNITS						3.0 UNITS					
<i>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.</i>						<i>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.</i>					
Prerequisite: Welding 108 with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills.						Prerequisite: Welding 140A with a minimum grade of C or satisfactory completion of proficiency exam in arc welding skills administered by SAC Welding Instructor.					
67909	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08	67910	1:00p-9:05p	Tu Th	Diamond Z	SAC K-115	06/18-08/08
73399	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09	73400	1:00p-8:30p	W F	Gonzales G	SAC K-115	06/19-08/09

Summer Library Hours

Monday – Thursday from 8:00a to 6:00p

If you have additional questions please stop by the Circulation Desk or call us at (714) 564-6700 during the library's hours of operation.

Library Website: sac.edu/library

The library provides in-house access to books, DVDs, CDs, and textbooks. Off-campus 24/7 access to articles, e-books, and other research information is available to SAC students, faculty, and staff.

You can use the library website to:

- Search for books, DVDs, and CDs, available in the library.
- Find articles in full-text periodical databases and access e-books which are available off-campus 24/7.
- Access research guides.

For more information:

Reference Desk (714) 564-6708

- Individualized library research instruction.
- Printing, scanning, and computer assistance.
- Group study room signup available on a same-day, first come, first-serve basis.

Circulation Desk (714) 564-6700

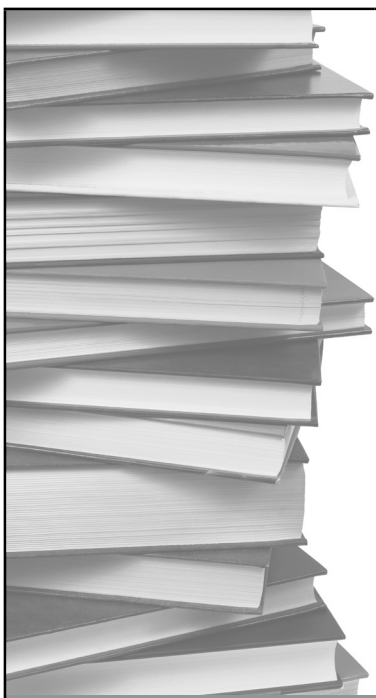
- Must present a picture I.D. to borrow books, DVDs and CDs.
- Borrow textbooks and other reserve materials for 2 hours (Library Use Only).

Periodicals Desk (714) 564-6711

- Must present a picture I.D. to borrow materials.
- Borrow wireless laptops for 2 hours (Library Use Only).
- Read and borrow newspapers, magazines, and journals.
- Photocopy services.

Other Available Services (714) 564-6700

- Computers, scanners, and printing services.
- ADA workstations for users with vision/hearing impairment or learning disabilities.
- Wi-Fi is available for currently enrolled students or guests who bring in their own Wi-Fi enabled devices.
- Request materials from other libraries through ILL (Inter-library loan).



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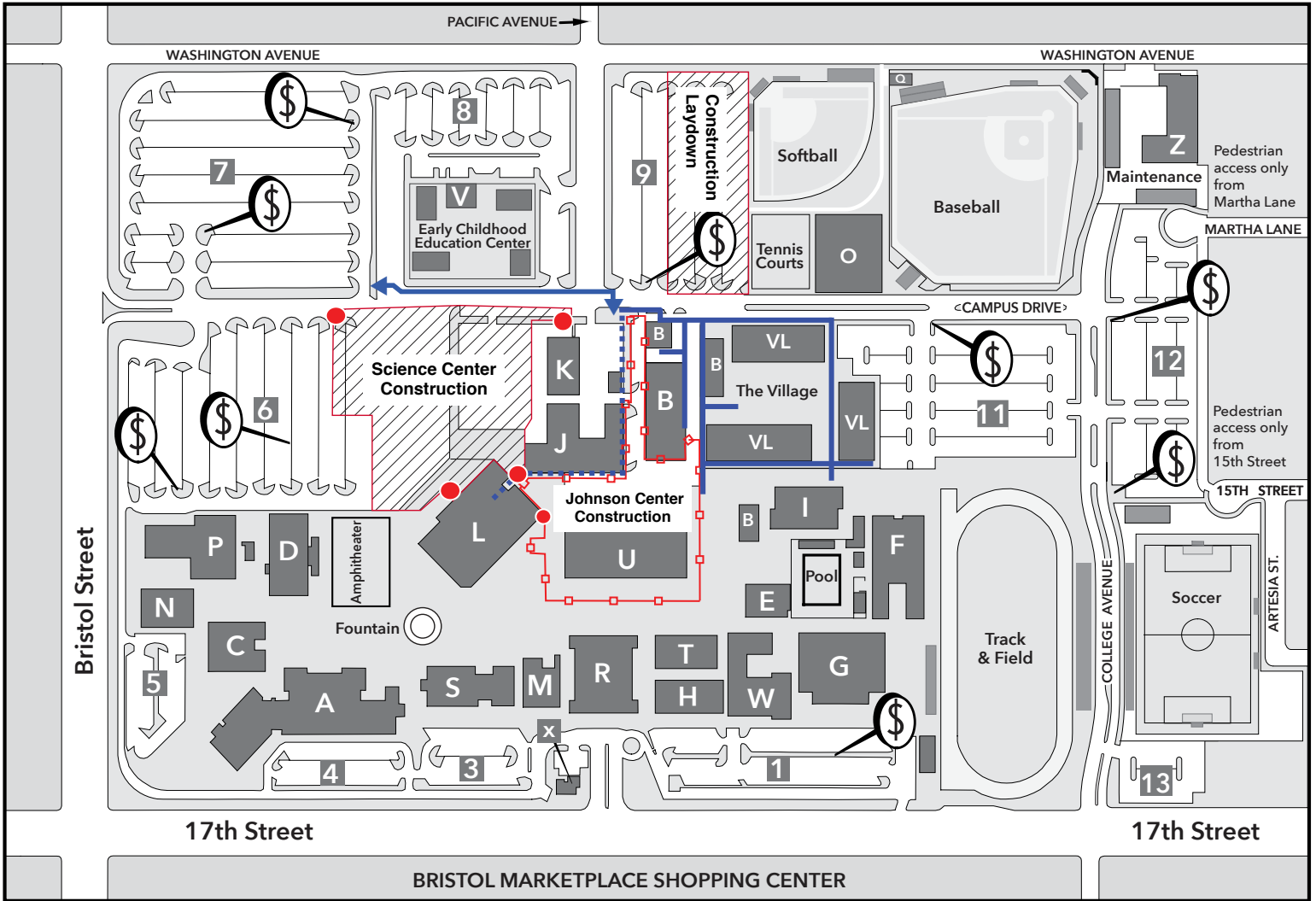


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OpenEd Conference, SAC Student Panel Presenters
(Eduardo, Michelle, Eileen, John and Luisa)

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FACILITIES & LOCATIONS

A	Cesar Chavez Building/ Business Computer Lab	N	Music Building
B	Middle College High School	O	Central Plant
C	Fine Arts / Art Gallery	P	Phillips Hall Theatre
D	Dunlap Hall	Q	Sports Concession
E	Fitness Center	R	Russell Hall
F	Locker Rooms	S	Administration Building/ Admissions/Counseling
G	Cook Gym	T	Technical Arts
H	Hammond Hall	U	Johnson Center/Music (Closed)
I	Classroom Building	V	Early Childhood Education Center
J	Auto Shop		
K	Welding / Auto Diesel		
L	Nealley Library/ Media Services		
M	Planetarium		



VL	The Village
	• Student Business Office
	• Campus Store
	• Grab-n-Go
	• Health & Wellness
	• DSPS
	• EOPS
	• Financial Aid
	• International Students Program
	• The Spot
	• Student Life
	• Quick Center
W	Kinesiology
X	Security / Safety
Z	Maintenance

PARKING

1	4	5	Staff Parking
6	-	13	Student Parking (Except as posted)
		3	Visitor Parking

Permit Dispenser
(\$2.00 for 8 hours)

MAP LEGEND

- "Closed for Construction"
- Primary Access Route
- No Access/Dead End
- Construction Fencing
- Emergency Access Only

To see the most recent version of this map, go to sac.edu/AboutSAC/Maps



Activate your Santa Ana College Student ID & Start Riding the OC Bus!
For more information, visit OCbus.com/sac

How to activate your Student ID?
Go to the Cashier's Office (VL 205)
Monday-Thursday 8am – 5pm
Friday 8am – Noon