

2016 • 2017

# CATALOG ADDENDUM



**SANTA ANA COLLEGE**

SANTA ANA COLLEGE / SANTIAGO CANYON COLLEGE  
COLLEGE CREDIT INSTRUCTIONAL CALENDAR

COLLEGE CREDIT CLASSES  
INSTRUCTIONAL CALENDAR 2016-2017  
FALL SEMESTER 2016

August 15–17 Faculty projects  
August 18–19 Common college flex days  
August 22 INSTRUCTION BEGINS  
September 4 Last day to add and to drop full-term classes without “W” grade with enrollment fee refund

September 5 Labor Day– holiday  
September 23 Last day to file Pass/No Pass  
October 14 Deadline for Graduation Petition  
November 11 Veterans Day – holiday  
November 13 Last day to drop semester-length classes with a “W” grade

November 24–26 Thanksgiving – holiday  
December 11 INSTRUCTION ENDS  
December 12–January 8 Holiday break

INTERSESSION 2017

January 9 INSTRUCTION BEGINS  
January 16 Martin Luther King’s Birthday – holiday  
January 17 Last day to file Pass/No Pass  
February 5 INSTRUCTION ENDS

SPRING SEMESTER 2017

February 6–8 Faculty projects  
February 9–10 Common college flex days  
February 13 INSTRUCTION BEGINS  
February 17 Lincoln’s Birthday – holiday  
February 20 President’s day – holiday  
February 26 Last day to add and to drop full-term classes without “W” grade with enrollment fee refund

March 17 Last day to file Pass/No Pass  
March 23 Deadline for Graduation Petition  
March 31 Cesar Chavez Day (observed)  
April 10–16 Spring recess  
May 14 Last day to drop semester-length classes with “W” grade

May 29 Memorial Day – holiday  
June 8 Commencement – Santa Ana College  
June 9 Commencement – Santiago Canyon College  
June 11 INSTRUCTION ENDS

SUMMER SESSION 2017

June 19 INSTRUCTION BEGINS  
June 23 Deadline for Graduation Petition  
July 4 Independence Day – holiday  
August 13 INSTRUCTION ENDS

JUNE • 2016

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JULY • 2016

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31						

AUGUST • 2016

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SEPTEMBER • 2016

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OCTOBER • 2016

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NOVEMBER • 2016

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DECEMBER • 2016

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JANUARY • 2017

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FEBRUARY • 2017

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MARCH • 2017

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APRIL • 2017

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MAY • 2017

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JUNE • 2017

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JULY • 2017

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SANTA ANA COLLEGE  
2016 • 2017

CATALOG  
ADDENDUM

SANTA ANA COLLEGE

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2323 North Broadway • Santa Ana, CA 92706-1640 • 714-480-7300 • rscdd.edu

SANTA ANA COLLEGE • SANTIAGO CANYON COLLEGE

Rancho Santiago Community College District serves residents of Anaheim Hills, Orange, Santa Ana, Villa Park, and a portion of Garden Grove.

ACCREDITED BY THE WESTERN ASSOCIATION OF SCHOOLS AND COLLEGES

Santa Ana College and Santiago Canyon College are accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges, (10 Commercial Blvd., Suite 204, Novato, CA 94949, 415-506-0234), an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education.

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CATALOG UPDATE

This catalog supplement should be used by students and staff along with the existing 2016-2017 printed and online catalog. Students are strongly encouraged to seek advice from the Counseling Department. Additional information and publications will be made available to students throughout the year via the catalog website.

CREDITS

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SANTA ANA COLLEGE PHILOSOPHY AND MISSION  
RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT

SANTA ANA COLLEGE  
MISSION STATEMENT

The mission of Santa Ana College is to be a leader and partner in meeting the intellectual, cultural, technological and workforce development needs of our diverse community. Santa Ana College provides access and equity in a dynamic learning environment that prepares students for transfer, careers and lifelong intellectual pursuits in a global community.

RANCHO SANTIAGO COMMUNITY  
COLLEGE DISTRICT

Governed locally by a seven-member Board of Trustees elected by the citizens of the district, Rancho Santiago Community College District (RSCCD) is a part of the California community college system, one of the three segments of the public post-secondary educational systems in the state.

RSCCD, located in central Orange County, encompasses 193 square miles with a population of approximately 770,000. The district’s boundaries include all of the K–12 schools within the Orange and Santa Ana Unified School Districts, as well as a portion of the Garden Grove Unified School District. RSCCD’s boundaries extend from the eastern portion of the city of Garden Grove, around the perimeters of Santa Ana, Orange, Villa Park, and Anaheim Hills, and east to the Riverside County line.

Enrollment in district programs for fall 2015 totaled 54,303 with 39,501 enrolled in college credit courses and 14,802 enrolled in Continuing Education. The Community Services Program serves 2,181 residents districtwide in not for credit, fee-supported classes.

SANTA ANA COLLEGE &  
SANTIAGO CANYON COLLEGE

Santa Ana College opened in 1915 as an upward extension of Santa Ana High School, and is the fourth oldest community college in California. Initially located on the campus of Santa Ana High School, it moved to downtown Santa Ana in 1933, and then to its current location in 1947. Santa Ana College serves the city of Santa Ana and portions of the cities of Tustin, Irvine, and Garden Grove.

Santiago Canyon College is among the newest community colleges in California and began offering classes in 1985 as the Orange Campus within the Rancho Santiago Canyon Community College District. Santiago Canyon College earned its independent accreditation in January 2000, and serves the communities of Orange, Villa Park, and Anaheim Hills.

Enrollment in Santa Ana College programs during the Fall of 2015 totaled 37,916 with 28,533 students in college credit courses and 9,383 in classes for Continuing Education students. The Community Services Program serves another 1,334 residents in fee-based not for credit classes.

Santa Ana College offers 242 degrees and certificates in credit programs that prepare students for transfer to 4-year universities or careers. In addition, over 1000 classes are offered to students in a variety of non-credit programs including 36 certificates in Continuing Education programs.

ACCREDITATION

Santa Ana College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of Schools and Colleges (WASC), an institutional accrediting body recognized by the Council for Higher Education Accreditation, the U.S. Department of Education, and the Veterans Administration. The college holds membership in the Community College League of California and the American Association of Community and Junior Colleges.

In addition to the current ACCJC college-wide accreditation, specified programs at Santa Ana College are also accredited by external accrediting bodies:

1. American Psychological Association (APA): for Doctoral Internship Program
2. Automotive Technology: National Automotive Technicians Education Foundation (NATEF)
3. Emergency Medical Technician: Orange County Emergency Medical Services (OCEMS)
4. International Business: National Association of Small Business International Trade Educators (NASBITE)
5. Occupational Therapy Assistant: Accreditation Council for Occupational Therapy Education (ACOTE)
6. Paralegal Studies: American Bar Association (ABA)
7. Pharmacy Technology: American Society of Health-System Pharmacists (ASHP)
8. Registered Nursing: Approved by the Board of Registered Nursing (BRN) and accredited by the Accreditation Commission for Education in Nursing (ACEN)
9. Basic Fire Academy and Fire Officer Training (State Fire Marshall’s Office–SFMO)

Documents concerning the college’s accreditation, licenses, and approvals are maintained in the Office of The President of Santa Ana College. Students wishing to examine these documents may do so by contacting the Office of the President. Additional information about accreditation, including filing complaints against member institutions, can be found at: [www.accjc.org](http://www.accjc.org).



## CERTIFICATE AND ASSOCIATE DEGREE PROGRAMS AT SANTA ANA COLLEGE

For each of the Programs of Study identified below, Santa Ana College currently offers the number of degrees and certificates as noted. For further information regarding the specific type of degree or certificate, please refer to the “Instructional Programs” section of this catalog.

AA = Associate in Arts Degree  
AA-T = Associate in Arts for Transfer  
AS = Associate in Science Degree  
AS-T = Associate in Science for Transfer  
CA = Certificate of Achievement  
CP = Certificate of Proficiency  
P = Pending Approval

Program of Study	AA	AA-T	AS	AS-T	CA	CP
Accounting	1				3	4
American Sign Language					1	
Anthropology	1	1				
Art	3	2			6	1
Automotive			1		6	1
Biology			1	1		
Biotechnology			1		3	1
Black Studies	1					
Business			1	1		
Business Applications and Technology	4				3	7
Chemistry			1	1		
Chicano Studies	1					
Child Development	3			1	4	
Communication Studies	1	1				
Communication & Media Studies	2	1			1	
Community Social Services	1					
Computer Information Systems			1		1	7
Computer Science			1	1	1	1
Criminal Justice	1			1	1	1
Dance	1				1	
Diesel Technology			2		2	4
Earth Science	1					
Economics	1	P				
Education	1	1				2
Engineering			7		5	7
English	1	1				
Entrepreneurship	1				1	1
Ethnic Studies	1					
Fashion Design	3				4	1
Fire Technology			4		4	
Geography	1	1				
Geology			1	1		

Program of Study	AA	AA-T	AS	AS-T	CA	CP
History	1	1				
International Business	1				1	2
Kinesiology	1	1			1	1
Law					1	
Liberal Arts	6					
Library Technology	1				1	
Management	2				1	3
Manufacturing Technology			5		5	1
Marketing	1					1
Mathematics			1	1		
Medical Assistant			1		1	
Modern Languages	1	1				
Music	1	1			1	
Nursing			2			
Nutrition and Dietetics	1			P	2	
Occupational Therapy Assistant			1			
Paralegal	1				1	
Pharmacy Technology			1		2	
Philosophy	1	1				
Photography	1				1	
Physics			1	1		
Political Science	1	1				
Psychology	1	1				
Science			1			
Social Science	1					
Sociology	1	1				
Speech-Language Pathology Assistant	1					
Television/Video Communications	1			P	3	1
Theatre Arts	2	1				5
Welding Technology			1		3	1
Women’s Studies	1					



## ASSOCIATE DEGREE REQUIREMENTS: 2016–2017

### I. Unit and Residency Requirements

60 UNITS, with at least a 2.0 grade point average. At least 12 of the units must be earned at the college. At least 6 of those units must be in courses required for the major unless students are earning an A.A.-T or A.S.-T degree. Units earned at a regionally accredited college or university on a pass/no pass basis will be counted toward the degree requirements of the college, to a maximum of 15 units.

### II. General Education Requirements

24 semester units of general education which include one course or more as indicated in group requirements A, B, C, D, E, and F. **NOTE:** See Plan A, page 36 for specific course requirements.

Non degree applicable courses may *not* be used for graduation requirements.

Courses from the major may be used to satisfy areas A-F.

**Note:** The requirements in parts II, IV, and V also may be met by CSU general education certification, IGETC certification, or by submitting a transcript showing completion of a bachelor’s degree from a regionally accredited institution. The requirements in parts II, IV, and V may also be met by submitting a transcript showing completion of an Associate of Arts or Associate of Science degree from a regionally accredited California institution within a ten-year period of finishing major requirements (III) at the college.

### III. Major Requirements

Each degree and certificate program specifies courses required for the major (a minimum of 18 units). Students must complete these courses with a grade of C or better. See Instructional Programs Section. Courses in the student’s major may not be taken under the Pass/No Pass policy except for Associate Degrees for Transfer, or as designated in certain programs or disciplines (see page 24) or as designated through credit by examination or assessment.

### IV.Required Proficiencies

**Note:** The proficiencies and requirements listed in IV. Required Proficiencies and V. Oral Communication Requirement may also be used to meet General Education Requirements in groups A through F where appropriate. **Courses taken to meet proficiencies must be completed with a grade of C or better.**

#### A. Reading

1. Satisfactory score on the SAC/SCC Reading Placement Test at the time of initial placement testing, OR
2. Satisfactory score on a Reading Department Test, OR
3. Successful completion of any Reading course at the 100 level or above, OR
4. A “C” grade, or better in 9 units of general education courses for the Associate Degree in Areas A (Natural Sciences) - 3 units; B (Social and Behavioral Sciences) - 3 units each in B1 and B2.

#### B. Mathematics

1. Completion of Mathematics 080/081 or any other 3 unit mathematics course numbered above the level of 080/081, OR
2. Score on the SAC/SCC mathematics placement test indicating placement in a mathematics course numbered above the level of 080/081.

### V. Oral Communication Requirement

Completion of 3 units with a grade of “C” or better from the following: Communication Studies 101 or 101H (Interpersonal Communication); Communication Studies 102 (Public Speaking); Communication Studies 140 (Argumentation and Debate); Communication Studies 145 (Group Dynamics); Communication Studies 152 (Oral Interpretation).

### Petition for Graduation and Catalog Rights:

Petitions for graduation should be filed in the Office of Admissions and Records one semester before the student expects to graduate. Students who maintain continuous enrollment in at least one regular semester or session of a catalog year (fall, intersession, spring, or summer) at Santa Ana College or Santiago Canyon College may elect to meet the associate degree or certificate requirements in the SAC Catalog in effect at the time of first enrollment, or may choose the catalog requirements from any one year of subsequent continuous enrollment. **A student who has an interruption of attendance must use the catalog at the time of readmission or one of subsequent continuous enrollment.** Commencement exercises are held once a year at the end of the spring semester for those students who complete the requirements for graduation during the year or the summer session.

**NOTE: Official Transcripts from all colleges attended must be on file in the Admissions and Records office.**

See page 7 for Associate Degree for Transfer requirements.





## GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE DEGREE

### PLAN A: 2016-2017

NOTE: This plan does not apply to Associate Degrees for Transfer (A.A.-T and A.S.-T).

**NOTE:** See page 35, for specific requirements for the following:

- IV. A. Reading Proficiency
- B. Mathematics Proficiency
- V. Oral Communication Requirement

Courses taken to meet these proficiencies/requirement must be completed with a grade of “C” or better.

**NOTE:** A single course may be used to meet only one category requirement (A-F) in Section II. However, a course may be used to meet both a required proficiency (IV) or requirement (V), as well as one of the categories of General Education Courses on Plan A (II). Courses which meet the requirements for Part II of Plan A at Santiago Canyon College will automatically meet the identical requirements for Part II of Plan A at Santa Ana College.

#### II. Required General Education Courses

##### A. Natural Sciences (minimum 3 semester units)

Anthropology 101, 101L  
Astronomy 109, 110 or 110H, 140  
Biology 109 or 109H/109L, 111, 115, 149, 177, 200, 211, 239, 259  
Chemistry 109, 119, 209, 210, 219 or 219H  
Earth Science 110 or 110H, 115, 150 or 150H  
Environmental Studies 140, 200, 259  
Geography 101, 101L, 130  
Geology 101, 101L, 140, 150 or 150H, 201  
Physical Science 117, 118  
Physics 109, 210, 217, 279

##### B. Social and Behavioral Sciences (minimum 6 semester units)

1. **American Institutions** (minimum 3 semester units)  
History 118, 120 or 120H, 121 or 121H, 122  
Political Science 101 or 101H
2. **Social Science Elective** (minimum 3 units)  
Anthropology 100 or 100H  
Child Development 107, 110  
Criminal Justice 101  
Economics 120, 121  
Geography 100 or 100H, 102 or 102H, 140, 155  
History 101 or 101H, 102 or 102H  
Political Science 101 or 101H  
Psychology 100 or 100H  
Sociology 100 or 100H

##### C. Humanities (minimum 3 semester units)

American Sign Language 110, 111, 116, 210  
Anthropology 104 or 104H  
Art 100 or 100H, 101, 102, 105, 110  
Communications and Media Studies 103, 105 or 105H, 111  
Dance 100 or 100H, 105  
English 104 or 104H  
Foreign Language:  
Chinese 101, 102  
French 101, 102, 201 or 201H, 202 or 202H  
Italian 120, 121  
Japanese 101, 102  
Spanish 101 or 101H, 102 or 102H, 195 A, 195B, 201 or 201H, 202 or 202H  
Vietnamese 101, 102  
Interdisciplinary Studies 121, 200  
Kinesiology, Professional 170  
Literature:  
Communications & Media Studies 110  
English 102 or 102H, 231, 232, 233ABC, 241, 242, 270, 271, 272  
Music 101 or 101H, 102 or 102H, 104, 110, 111, 211  
Philosophy 106 or 106H, 108, 112, 118  
Television/Video Communications 101, 103, 104  
Theatre Arts 100, 105

##### D. Cultural Breadth

(Three semester units required from D1 or D2)

###### D1. Ethnic Studies/Women's Studies

American Sign Language 116  
Anthropology 104 or 104H, 125  
Art 103, 104, 106  
Asian American Studies 101  
Black Studies 101  
Chicano Studies 101  
Communication Studies 103 or 103H, 206 or 206H  
English 104 or 104H  
Ethnic Studies 101 or 101H, 102 or 102H  
History 123, 124 or 124H, 125, 127, 146, 150, 151, 153, 163, 181  
Child Development 221  
Kinesiology, Health Education 102  
English 245, 246, 278  
Music 103  
Nutrition and Food 118  
Political Science 235  
Psychology 170  
Women's Studies 101, 102

###### D2. International Perspective

Anthropology 100 or 100H  
Business 106  
Criminal Justice 209  
Dance 105  
English 271, 272  
Geography 100 or 100H, 102  
Interdisciplinary Studies 117H  
Kinesiology, Professional 150  
Music 102 or 102H  
Philosophy 112  
Theatre Arts 105

##### E. Language and Rationality (minimum 6 semester units)

###### 1. English Composition (minimum 3 semester units)

Courses fulfilling the written composition requirement include both expository and argumentative writing. The English composition requirement may be met by completing English 101 or 101H with a grade of “C” or better.

###### 2. Communication and Analytical Thinking (minimum 3 semester units)

Includes mathematics, logic, statistics, computer languages and programming and related disciplines.

Communication Studies 102, 140, 145  
Computer Science 100, 105, 111  
Counseling 144  
English 102 or 102H, 103 or 103H  
Mathematics 080/081, 083, 084, 087, 105, 140, 145, 150, 160, 167, 170, 180 or 180H, 185, 204, 219 or 219H, 280, 287  
Philosophy 110 or 110H, 111  
Psychology 210  
Reading 101, 102, 150  
Social Science 219 or 219H

##### F. Lifelong Understanding and Self-Development (minimum 3 semester units)

**NOTE:** Take one course from each group. No more than one semester unit may be counted from F2.

Three semester units for Health Education and one semester unit for Kinesiology may be granted on the basis of military service. See page 18 for additional information.

###### 1. Completion of one of the following:

Business 130  
Counseling 100, 116, 120, 124, 125, 128  
Fashion Design Merchandising 103  
Child Development 102, 107  
Interdisciplinary Studies 111, 155  
Kinesiology, Health Education 101, 102, 104  
Kinesiology, Professional 125, 140, 160  
Library and Information Studies 100  
Mathematics 030  
Nutrition and Food 115 or 115H  
Philosophy 111  
Psychology 140, 230  
Sociology 112  
Study Skills 109

###### 2. Completion of one of the following:

Dance 102, 201A, 201B, 206A, 206B, 219A, 219B  
Kinesiology, Activities 107A, 123, 140A, 150A, 155A, 160A, 169A, 170A, 200A, 200B, 200C, 211A, 211B, 220A, 220B, 220C, 226A, 260A, 260B, 265A, 265B, 270A, 290A, 290B  
Kinesiology, Adapted Activities 201A, 202A, 202B, 205A, 208A, 208B, 211A, 211B  
Kinesiology, Aerobic Fitness 140, 143A, 144A, 146A, 146B, 150A, 156A, 156B, 157A  
Kinesiology, Aquatics 201A, 201B, 204  
Kinesiology, Fitness 100, 101A, 101B, 101C, 102, 109A, 109B, 109C, 110A, 110B, 110C, 112A, 112B, 112C, 115A, 115B, 115C, 147A, 147B  
Kinesiology, Intercollegiate Athletics 125, 128, 133, 134, 171, 201, 202, 204, 206, 209, 210, 211, 212, 213, 214, 216, 217, 218, 219, 220, 221, 223, 227, 231, 232, 235, 240, 261, 262, 270, 271, 281, 291, 293  
Kinesiology, Professional 155, 165, 175, 200

This requirement (F) is met for Fire Technology (as long as Fire Technology 121 and 121L are taken as part of the program), Nursing, and Occupational Therapy Assistant by completion of the major.



## Associate Degree for Transfer<sup>SM</sup>

In addition to traditional associate degrees, California Community Colleges offer Associate Degrees for Transfer (ADT) to the CSU. These may include Associate in Arts (A.A.-T) or Associate in Science (A.S.-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California community college students who are awarded an A.A.-T or A.S.-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses.

Students who have been awarded an A.A.-T or A.S.-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units.

Santa Ana College offers numerous A.A.-T and A.S.-T degrees. To find out which CSU campuses accept each degree, please meet with a SAC counselor. You can also find this information at: [www.degreewitha guarantee.com](http://www.degreewitha guarantee.com). **An A.A.-T or A.S.-T degree may not be the best option for students intending to transfer to a particular CSU campus, or to a university or college that is not part of the CSU system.** Current and prospective community college students are encouraged to meet with a counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

#### Requirements

Student completion requirements for the associate degree for transfer:

1. 60 semester or 90 quarter CSU transferable units. At least 12 of the units must be earned at Santa Ana College.
2. the California State University General Education-Breadth pattern (CSU GE Breadth page 37); OR the Intersegmental General Education Transfer Curriculum (IGETC page 38) pattern.

Note: The ADT can be awarded to students completing the UC version of IGETC, but completion of this pattern will not satisfy CSU admission requirements.

(Students pursuing an ADT in Chemistry or Biology, currently under development, must complete CSU GE for STEM or IGETC for STEM as specified.)

#### CSU GE Breadth for STEM for students earning an A.S.-T in Biology only

Complete the following CSU-GE courses before transfer:

- All courses in Ares A, B, and E; and
- One course in Area C1 Arts and one course in Area C2 Humanities; and



- Two courses in Area D from two different disciplines. Complete the following courses after transfer:
- One remaining lower-division GE course in Area C\*; and
- One remaining lower-division GE course in Area D\*.

\* These deferred lower division courses must be replaced with calculus and/or science courses required by the major before transfer.

CSU GE Breadth for STEM completion does not qualify students for the CSU-GE Certificate of Achievement.

#### IGETC for STEM for students earning an A.S.-T in Biology or Chemistry only

Complete the following IGETC courses before transfer:

- All courses in Areas 1 (except 1C for UC-bound students), 2, and 5; and
- One course in Area 3A; one course in Area 3B; and two courses in Area 4 from two different disciplines.

Complete the following courses after transfer:

- One remaining lower-division GE course in Area 3;\*
- One remaining lower-division GE course in Area 4;\* and
- One course in Area 6 for UC-bound students who have not satisfied it through proficiency.\*

\* These deferred lower division courses must be replaced with calculus and/or science courses required by the major before transfer.

IGETC for STEM completion does not qualify students for the IGETC Certificate of Achievement.

3. a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district (see Instructional Programs portion of the catalog).
4. obtainment of a minimum grade point average (GPA) of 2.0.
5. earn a grade of C or better in all courses required for the major or area of emphasis.

Santa Ana College currently offers the following Associate in Arts and Associate in Science for Transfer degrees:

Administration of Justice  
Anthroopology  
Art History  
Business Administration  
Chemistry  
Communication Studies  
Computer Science  
Early Childhood Education  
Elementary Teacher Education  
English  
Geography  
Geology

History  
Journalism  
Kinesiology  
Mathematics  
Music  
Philosophy  
Physics  
Political Science  
Psychology  
Sociology  
Spanish  
Studio Arts  
Theatre Arts

See the Instructional Programs Section of this catalog for major requirements. Additional degrees were pending approval by the California Community College Chancellor's Office at the time of catalog publication

#### Course Substitutions and Reciprocity, Policy and Procedures

Students who have completed courses at another California community college, a regionally accredited institution and/or completed an external exam such as AP, CLEP, or IB may apply the coursework or exam results toward A.A.-T/A.S.-T major requirements as follows:

1. A course with a C-ID designation which is completed at another California community college will be substituted for a SAC course that meets an Associate Degree for Transfer (ADT) major requirement designated with the same C-ID number. SAC departmental approval is not required.
2. A course without a C-ID designation which is completed at a regionally accredited institution, other than a California community college, will be reviewed by SAC discipline faculty. Course-to-course substitution will be granted based on discipline faculty determination of comparability to a SAC course with the approved C-ID designation for the given ADT. Course-to-course substitution will be granted in accordance with the statewide C-ID descriptor when the SAC course does not have an approved C-ID designation, but a statewide C-ID descriptor exists. When no such descriptor exists, course substitution will be based on Discipline faculty determination of comparability to a SAC course included on the ADT.
3. Students who have completed an external examination such as AP, CLEP, and IB are granted course credit toward ADT major requirements as listed in the SAC catalog. (Students should be aware that AP credit may be awarded/counted differently by the transfer institution.)
4. A course completed at another California community college that is approved as part of an associate degree for transfer will be applied to the corresponding Santa Ana College Associate Degree for Transfer (ADT) in the corresponding SAC ADT area. Courses completed at other California community colleges must be part of the ADT at the time the student completed the course. Courses completed at other CCC's prior to ADT approval will be "grandfathered".





## CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH (CSU GE)

### PLAN B: 2016-2017

**NOTE:** These requirements apply to all students. Students planning to graduate from one of the 23 campuses of the California State University must complete 48 semester units in general education breadth courses. A student may complete 39 units of general education at either college in the Rancho Santiago Community College District prior to transfer. Nine semester units of general education coursework must be completed at the upper division level after transfer.

#### CERTIFICATION OF GENERAL EDUCATION

1. Santa Ana College is authorized to certify a maximum of 39 general education units.
2. No more than 30 semester units may be certified for areas B through D combined, which are described in the next section.
3. Pass/No Pass grades are accepted for certification in all areas; however, they are not recommended for transfer credit in basic skill areas. (A. Communication in the English Language and Critical Thinking, A1, A2, and A3; and B. The Physical Universe and Its Life Forms, B4.) In addition, letter grades may be recommended or required for specific courses in a given major. Each CSU campus may also limit the total number of units graded credit.
4. A single course may not meet more than one general education requirement.
5. Requests for certification should be made to the Office of Admissions and Records during the semester prior to the last term of attendance. Please consult the class schedule or the Counseling Department for deadline information.
6. Certification of coursework from other colleges will be granted to students whose last community college of attendance prior to transfer is Santa Ana.
7. Courses taken at other California Community Colleges will be applied to the subject areas in which they were listed by the institution where the course was completed.
8. Courses taken at other regionally accredited private/out of state institutions (which do not maintain a CSU certification list) will be placed in the subject areas for which Santa Ana College has equivalent courses. In some cases non-equivalent courses may also be considered. Consult a counselor for additional information. Courses completed at foreign institutions are not acceptable for certification.

**IMPORTANT NOTE:** The list of certifiable courses will be subject to change year by year, but students are assured that courses taken to meet general education-breadth requirements will be honored **if they are approved for the academic year in which they are taken. Courses on this list are approved beginning Fall 2016 and are valid through Summer 2017.**

#### TRANSFER CREDIT

1. Students may transfer up to 70 semester units to the CSU system. Sixty transferable units are needed for junior standing.
  2. All courses used for CSU transfer credit must be numbered 100 or above in the Santa Ana College catalog.
- A. English Language Communication and Critical Thinking** (minimum 9 semester/12 quarter units)  
The 9 units selected from this area must include at least one course each from A1, A2, and A3. Each course must be completed with a grade of "C" or better. (C minus is not acceptable.)  
**A1: Oral Communication**  
Communication Studies 101 or 101H, 102, 103 or 103H, 140, 145  
**A2: Written Communication**  
English 101 or 101H  
**A3: Critical Thinking**  
Communication Studies 140  
Counseling 144  
English 102 or 102H (102 and 102H not accepted in A3 if completed prior to Fall 2011), 103 or 103H  
Philosophy 110 or 110H, 111  
Reading 150

- B. Scientific Inquiry and Quantitative Reasoning** (minimum 9 semester/12 quarter units)  
The 9 units selected from this area must include at least one course each from B1, B2, and B4. The 9 units must also include a corresponding lab component. (Lab classes are in **bold**.) Courses in B4 must be completed with a grade of "C" or better. (C minus is not acceptable.)  
**B1: Physical Science**  
Astronomy **109, 110 or 110H**  
Chemistry **109, 115, 119, 209, 210, 219 or 219H**  
Earth Science 110 or 110H, **115, 150 or 150H**  
Environmental Studies 140  
Geography 101, 130  
Geology 101, 140, 150 or 150H, **201**  
Physical Science **115, 117**  
Physics **109, 210, 211, 217, 227, 237, 279, 289**  
**B2: Life Science**  
Anthropology 101  
Biology 109 or 109H, **111, 115, 139, 149, 177, 211, 212, 214, 229, 239, 259**  
Environmental Studies **259**  
**B3: Laboratory Activity**  
Anthropology **101L**  
Astronomy **140**  
Biology **109L, 111, 115, 139, 149, 211, 212, 214, 229, 239, 259**  
Chemistry **109, 115, 119, 209, 210, 219 or 219H**  
Earth Science **115**  
Environmental Studies **259**  
Geography **101L**  
Geology **101L, 201**  
Physics **109, 210, 211, 217, 227, 237, 279, 289**  
Physical Science **115, 118**  
**B4: Mathematics/Quantitative Reasoning**  
Courses must be completed with a grade of "C" or better.  
Mathematics 105, 140, 145, 150, 160, 167, 170, 180 or 180H, 185, 204, 219 or 219H, 280  
Psychology 210  
Social Science 219 or 219H  
**C. Arts and Humanities** (minimum 9 semester/12 quarter units)  
This area must include one course from C1 and one course from C2.  
**C1: Arts: Art, Cinema, Dance, Music, Theatre**  
Art 100 or 100H, 101, 102, 103, 104, 105, 106, 108  
Communications & Media Studies 103  
Dance 100 or 100H, 102, 105  
English 233A, 233B, 233C  
Interdisciplinary Studies 121  
Music 101 or 101H, 102 or 102H, 103, 104, 110, 111, 211  
Photography 150  
Television/Video Communications 103, 104  
Theatre Arts 100, 105  
**C2: Humanities: Literature, Philosophy, Languages Other Than English**  
American Sign Language 110, 111, 116, 210  
Chinese 101, 102  
English 102 or 102H, 206, 220, 231, 232, 233A, 233B, 233C, 233D, 241, 242, 243, 245, 246, 270, 271, 272, 278  
French 101, 102, 201 or 201H, 202 or 202H  
History 101 or 101H, 102 or 102H, 150, 151, 153, 163  
Interdisciplinary Studies 200  
Italian 120, 121  
Japanese 101, 102  
Kinesiology, Professional 170  
Philosophy 106 or 106H, 108, 112, 118  
Spanish 101 or 101H, 102 or 102H, 195A, 195B, 201 or 201H, 202 or 202H  
Vietnamese 101, 102

- D. Social Sciences** (minimum 9 semester/12 quarter units)  
The 9 units selected from this area must include courses from at least 2 different disciplines.  
Anthropology 100 or 100H, 103, 104 or 104H, 105, 125  
Asian American Studies 101  
Biology 200  
Black Studies 101  
Chicano Studies 101  
Child Development 107, 110  
Communication Studies 103 or 103H, 206 or 206H  
Communications & Media Studies 105 or 105H, 111  
Computer Science 100  
Counseling 150  
Criminal Justice 101  
Economics 120, 121  
English 104 or 104H, 245, 278  
Environmental Studies 200  
Ethnic Studies 101 or 101H, 102 or 102H  
Geography 100 or 100H, 102, 140  
History 101 or 101H, 102 or 102H, 105, **118, 120 or 120H, 121 or 121H, 123, 124 or 124H, 125, 127, 133, 146, 150, 151, 153, 163, 181**  
Interdisciplinary Studies 117H, 155  
Kinesiology, Professional 150  
Political Science **101 or 101H**, 200 or 200H, 201, 220, 235  
Psychology 100 or 100H, 140, 157, 170, 200, 219, 230, 240, 250  
Sociology 100 or 100H, 112, 140 or 140H, 240  
Women's Studies 101, 102

**NOTE: The CSU graduation requirement in UNITED STATES HISTORY, CONSTITUTION AND AMERICAN IDEALS** may be met by completing Political Science 101 or 101H and one U.S. History course from the following: History 118, 120 or 120H, 121 or 121H, 123, 124 or 124H, 127, 146. These courses (in **bold** in area D above) may also be used to meet 6 of the 9 Area D unit requirements.

- E. Lifelong Learning and Self-Development** (minimum 3 semester/4 quarter units)  
Three units should be selected from below with no more than one unit from E2. Three units of credit are allowed in E for former military personnel with a DD-214.  
**E1:**  
Business 130  
Child Development 107, 229  
Communication Studies 104  
Counseling 100, 116, 120, 124, 125, 128  
Interdisciplinary Studies 155  
Kinesiology, Health Education 101, 102, 104  
Kinesiology, Professional 125  
Nutrition and Food 115 or 115H  
Psychology 140, 157, 230  
Sociology 112  
Study Skills 109  
**E2:**  
Kinesiology, Activities 107A, 123, 140A, 150A, 155A, 160A, 169A, 170A, 200A, 200B, 200C, 211A, 211B, 220A, 220B, 220C, 226A, 260A, 260B, 265A, 265B, 270A, 290A, 290B  
Kinesiology, Adapted Activities 201A, 202A, 202B, 205A, 208A, 208B, 211A, 211B  
Kinesiology, Aerobic Fitness 140, 143A, 144A, 146A, 146B, 150A, 156A, 156B, 157A  
Kinesiology, Aquatics 201A, 201B, 204  
Kinesiology, Fitness 100, 101A, 101B, 101C, 102, 110A, 110B, 110C, 112A, 112B, 112C, 115A, 115B, 115C, 147A, 147B  
Kinesiology, Intercollegiate Athletics 125, 128, 133, 134, 171, 201, 202, 204, 206, 209, 210, 211, 212, 213, 214, 216, 217, 218, 219, 220, 221, 223, 227, 235, 240, 261, 262, 270, 271, 281, 291, 293

## INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)

### PLAN C: 2016-2017

Completion of all the requirements in the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from Santa Ana College to a campus in either the CALIFORNIA STATE UNIVERSITY or the UNIVERSITY OF CALIFORNIA system without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements.

1. It is generally recommended that students complete all the listed requirements for IGETC prior to transferring. Students may obtain partial certification, however, by completing all but 1-2 courses. Consult a counselor for additional information.
2. **Complete all courses used for IGETC certification with a minimum grade of C (C minus is not acceptable.)** A "pass" is acceptable providing it is equivalent to a grade of C or higher. The catalog must reflect this policy.
3. Request certification from the last California community college attended prior to transfer to CSU or UC. Requests should be made to the Office of Admissions and Records during the semester prior to the last term of attendance. Please consult the class schedule or a counselor for deadline information.
4. Prior to requesting certification, have all official transcripts on file from every high school and college attended.
5. Courses taken at other California community colleges will be applied to the subject areas in which they are listed by the institution where the work was completed.
6. Courses taken at other regionally accredited private/out of state institutions (which do not maintain an IGETC certification list) will be placed in the subject areas for which Santa Ana College has equivalent courses. Equivalency is determined by Santa Ana College faculty. Petitions are available from the Counseling Division and must be accompanied by the appropriate documentation. In some cases non-equivalent courses may also be considered. Consult a counselor for additional information.
7. Courses completed at foreign institutions (without US regional accreditation) are not acceptable except for certification of competence in a language other than English.

**IMPORTANT NOTE:** The list of certifiable courses will be subject to change year by year, but students are assured that courses taken to meet IGETC requirements will be honored **if they are approved for the academic year in which they are taken. Courses on this list are approved beginning Fall 2016 and are valid through Summer 2017.**

#### AREA 1 - ENGLISH COMMUNICATION

**C.S.U.:** 3 courses required, one from each group.  
**U.C.:** 2 courses required, one each from Group A and B.

##### Group A: English Composition

1 course, minimum 3 semester/4-5 quarter units.  
English 101\*\* or 101H\*\*

##### Group B: Critical Thinking-English Composition

1 course, 3 semester/4-5 quarter units.  
English 102\*\* or 102H\*\* (102 and 102H not accepted in 1B if completed prior to Fall 2011)  
English 103\*\* or 103H\*\*  
Philosophy 110\*\* or 110H\*\*

##### Group C: Oral Communication (CSU ONLY)

1 course, 3 semester/4-5 quarter units.  
Communication Studies 102, 103\*\* or 103H\*\*, 140, 145

#### AREA 2A - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING

1 course, 3 semester/4-5 quarter units.  
Math 105, 140\*\*, 145, 150\*\*, 170\*\*, 180\*\* or 180H\*\*, 185, 219\*\* or 219H\*\*, 280; Social Science 219\*\* or 219H\*\*;  
Psychology 210

#### AREA 3 - ARTS AND HUMANITIES

3 courses, 9 semester/12-15 quarter units, with at least one course from Group A and one course from Group B.

##### Group A: Arts (minimum 1 course)

Art 100\*\* or 100H\*\*, 101, 102, 103, 104, 105, 106, 108  
Communications & Media Studies 103  
Dance 100\*\* or 100H\*\*, 102, 105  
Interdisciplinary Studies 121  
Music 101\*\* or 101H\*\*, 102\*\* or 102H\*\*, 103, 104, 111, 211  
Photography 150  
Television/Video Communications 103, 104  
Theatre Arts 100, 105

##### Group B: Humanities (minimum 1 course)

American Sign Language 111, 116, 210  
Chinese 102  
English 102\*\* or 102H\*\*, 206, 220, 231, 232, 233A or 233B or 233C, 241, 242, 243, 245, 246, 271, 272, 278  
French 102, 201\*\* or 201H\*\*, 202\*\* or 202H\*\*  
History 101\*\* or 101H\*\*, 102\*\* or 102H\*\*, 150, 151, 153, 163\*  
Interdisciplinary Studies 200  
Italian 121  
Japanese 102  
Philosophy 106\*\* or 106H\*\*, 108, 112, 118  
Spanish 102\*\* or 102H\*\*, 195A, 195B, 201\*\* or 201H\*\*, 202\*\* or 202H\*\*  
Vietnamese 102

#### AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES

3 courses, 9 semester/12-15 quarter units from at least 2 disciplines or an interdisciplinary sequence.

Anthropology 100\*\* or 100H\*\*, 103, 104\*\* or 104H\*\*, 105, 125  
Asian American Studies 101  
Biology 200  
Black Studies 101  
Chicano Studies 101  
Child Development 107\*\*  
Communication Studies 206\*\* or 206H\*\*  
Communications & Media Studies 105\*\* or 105H\*\*, 111  
Criminal Justice 101  
Economics 120, 121  
English 104\*\* or 104H\*\*  
Environmental Studies 200  
Ethnic Studies 101\*\* or 101H\*\*, 102\*\* or 102H\*\*  
Geography 100\*\* or 100H\*\*, 102\*\*  
History 101\*\*, 101H\*\*, 102\*\*, 102H\*\*, 105, 118, 120\*\* or 120H\*\*, 121\*\* or 121H\*\*, 123, 124\*\* or 124H\*\*, 125, 127, 133, 146, 163\*, 181  
Interdisciplinary Studies 117H, 155  
Political Science 101\*\* or 101H\*\*, 200\*\* or 200H\*\*, 201, 220, 235  
Psychology 100\*\* or 100H\*\*, 140, 157\*\*, 170, 200, 219, 230, 240, 250  
Sociology 100\*\* or 100H\*\*, 140\*\* or 140H\*\*, 240  
Women's Studies 101, 102

#### AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES

At least 2 courses, 7-9 semester/9-12 quarter units with one Physical Science course and one Biological Science course; at least one must include a corresponding laboratory (Group C)

##### Group A: Physical Science (1 course)

Astronomy 109, 110\*\* or 110H\*\*  
Chemistry 109\*\*, 115, 119\*\*, 209\*\*, 210, 219\*\* or 219H\*\*, 229  
Earth Science 110\*\* or 110H\*\*, 115\*\*, 150\*\* or 150H\*\*  
Environmental Studies 140  
Geography 101\*\*  
Geology 101\*\*, 140, 150\*\* or 150H\*\*, 201  
Physical Science 115, 117\*\*  
Physics 109\*\*, 210\*\*, 211\*\*, 217\*\*, 227\*\*, 237\*\*, 279\*\*, 289\*\*  
**Group B: Biological Science (1 course)**  
Anthropology 101  
Biology 109\*\* or 109H\*\*, 111, 115, 139\*\*, 177, 211, 212, 214, 229\*\*, 239, 249, 259  
Environmental Studies 259

#### Group C: Laboratory Activity

Anthropology 101L  
Astronomy 140  
Biology 109L, 111, 115, 139, 211, 212, 214, 229, 239, 249, 259  
Chemistry 109, 115, 119, 209, 210, 219 or 219H, 229  
Earth Science 115  
Environmental Studies 259  
Geography 101L  
Geology 101L, 201  
Physical Science 115, 118  
Physics 109, 210, 211, 217, 227, 237, 279, 289

#### AREA 6A - LANGUAGE OTHER THAN ENGLISH (U.C. ONLY)

Satisfactory completion of two years of high school coursework in one language other than English with grades of "C" or better\*\*\*;

##### OR

completion of one of the following: American Sign Language 110, Chinese 101, French 101, Italian 120, Japanese 101, Spanish 101\*\* or 101H\*\*, or Vietnamese 101;

##### OR

satisfactory completion, with "C" grades or better, of two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English;

##### OR

satisfactory score in examinations of languages other than English as follows:

##### OR

3 or higher on College Board Advanced Placement Examination, 5 or higher on International Baccalaureate Higher Level Examination; SAT II: Subject Tests (see counselor for required scores); A, B, or C on "O" Level exam; 5, 6, 7 or A, B, or C on "A" Level exam;

##### OR

satisfactory completion of an achievement test administered by a college in language other than English equivalent to two years of high school language. If an achievement test is not available, a SAC faculty member may verify competency.

#### AMERICAN INSTITUTIONS REQUIREMENT

*(Not part of IGETC. May be completed prior to transfer.)*

CSU has an American Institutions graduation requirement that is separate from IGETC. Courses used to meet the CSU requirement **can** usually also be used in Area 3 or 4. (This is at the discretion of each CSU campus.) To meet the CSU requirement, students should take Political Science 101\*\* or 101H\*\* **AND** one of the following courses: History 118, 120\*\*, 120H\*\*, 121\*\*, 121H\*\*, 123, 124\*\*, 124H\*\*, 127, 146.

UC requires the completion of a college course or courses with a grade of "C" or better **OR** a one-year course in high school in U.S. History or a half-year course in U.S. History and a half-year course in American Government with grades of "C" or better (UCLA requires grades of "B"). UCSB requires the completion of a college course. If you are using college coursework to satisfy this requirement, check the appropriate UC catalog to determine which course(s) to take.

- \* Courses designated with an asterisk may be counted in one area only.
- \*\* Indicates that transfer credit may be limited by either UC or CSU or both. Please see page 50 for additional information.
- \*\*\* High School transcript must be on file in the admissions office. Please consult with a counselor for additional information.





SUMMARY OF CHANGES INCLUDED IN THE SANTA ANA COLLEGE 2016-2017 CATALOG ADDENDUM

DEGREES

Education Option 1 – Elementary Education Degree (Pre-Professional)

Major requirements correction – Inserted OR between History 120H and History 118

Education Option 2 – Associate in Arts in Elementary Teacher Education for Transfer

Major requirement correction – Inserted Education 100, Geology 101, and Geology 101L as required courses for the major

ANNOUNCEMENT OF COURSES

Fire Academy

Added updates to several courses

Fire Officer Training

Added updates to several courses

EDUCATION

Option 1  
Elementary Education Degree (Pre-Professional)  
Program code: sac.educe.aa

The Associate in Arts degree in Elementary Education (Pre-Professional) is designed to prepare students for transfer to a four-year university to obtain a bachelor’s degree and multiple subject teaching credential. Completion of the courses in this degree will partially satisfy requirements for California State University integrated and traditional teacher preparation programs. The courses are part of the curriculum that can be started at the community college and completed at the university. The curriculum is designed for students who seek the pre-professional subject matter preparation for elementary school teaching consistent with the standards established by the California Commission on Teacher Credentialing. Additionally, the degree curriculum may also serve as preparation for paraprofessional positions in the K-12 classroom setting by satisfying unit requirements as established by law.

Learning Outcome(s):

- 1. Students will demonstrate a knowledge base of theory specific to childhood (1st-6th grade) education.
- 2. Students will apply the knowledge base of theory to practice through thoughtful reflections on classroom observations.
- 3. Students will understand and be conversant about the main philosophical and sociological ideas and trends that have influenced education as well as be able to analyze their application and importance for teaching today.

Major requirements for the associate degree:

Course	Units
Education 100, Introduction to Education	3
Child Development 107, Child Growth and Development (DS1)	3
Psychology 157, Introduction to Child Psychology	
Biology 115, Concepts in Biology for Educators	4
Earth Science 115, Earth Science for Educators	
Physical Science 115, Concepts in Physical Sciences for Educators	3-4
Chemistry 115, Concepts in Physical Science for Educators	
Mathematics 105, Mathematics for Liberal Arts Students (3)	3
Mathematics 204, Mathematical Concepts for Elementary School Teachers (4)	
English 270, Children’s Literature	3
History 120, The United States to 1865	3
History 120H, Honors The United States to 1865	
History 118, Social and Cultural History of the United States	3
Political Science 101, Introduction to American Government	
Political Science 101H, Honors Introduction to American Government	3
Geography 100, World Regional Geography	
Geography 100H, Honors World Regional Geography	



Art 100, Introduction to Art Concepts	3
Art 100H, Honors Introduction to Art Concepts	
Art 101, Survey of Western Art History I: Prehistory through the Middle Ages	3
Art 102, Survey of Western Art History II: Renaissance through the Twentieth Century	
Dance 100, Dance History and Appreciation	3
Dance 100H, Honors Dance History and Appreciation	
Dance 102, Introduction to Dance Forms	3
Music 101, Music Appreciation	
Music 101H, Honors Music Appreciation	3
Theatre Arts 100, Introduction to Theatre	

And ONE of the Following:	3
Communication Studies 102, Public Speaking (3)	3
Interdisciplinary Studies 200, Introduction to Liberal Studies (3)	
English 206, Introduction to Language Structure and Use (3)	3
Anthropology 104, Language and Culture (3)	
Anthropology 104H, Honors Language and Culture (3)	3
History 133, History of California (3)	
Child Development 110, Child, Family and Community (DS2)(3)	3
Child Development 205, Exceptionality and Special Needs in Human Development (3)	
Kinesiology Professional 140, Movement Education for Elementary School Children (3)	3
Education 205, Personal Proficiency in Educational Technologies for Elementary Teachers (3)	
Total	25-26

Option 2  
Associate in Arts in Elementary Teacher Education for Transfer  
Program code: sac.eted.aat

The Associate in Arts in Elementary Teacher Education for Transfer (A.A.-T) prepares students to transfer into the CSU system to complete a baccalaureate degree in Liberal Studies and into a multiple subject teaching credential program. Please consult a counselor regarding specific course requirements for your transfer institution. Completion of the A.A.-T degree also provides guaranteed admission with junior status to the CSU system, along with priority admission to the local CSU, Fullerton, in the Liberal Studies major. See page 7 for a list of additional requirements for all Associate in Arts for Transfer (A.A.-T) and Associate in Science for Transfer (A.S.-T) degrees. Upon completion of the A.A.-T in Elementary Teacher Education, students will have a strong foundation in introductory content area subject matter requirements for teaching at the elementary school level. Students will also have the opportunity to participate in supervised fieldwork in K-12 settings.

Learning Outcome(s):

- 1. Students will demonstrate a knowledge base of theory specific to childhood (1st-6th grade) education.
- 2. Students will apply the knowledge base of theory to practice through thoughtful reflections on classroom observations.
- 3. Students will understand and be conversant about the main philosophical and sociological ideas and trends that have influenced education as well as be able to analyze their application and importance for teaching today.





Required Core:	
Course	Units
Education 100, Introduction to Education	3
Earth Science 115, Earth Science for Educators (4) —OR—	
Geology 101, Introduction to Geology (3) —AND—	4
Geology 101L, Introduction to Geology Laboratory (1)	
Communication Studies 102, Public Speaking	3
English 101, Freshman Composition —OR—	4
English 101H, Honors Freshman Composition	
Chemistry 115, Concepts in Physical Science for Educators —OR—	4
Physical Science 115, Concepts in Physical Science for Educators	
Biology 115, Concepts in Biology for Educators (4) —OR—	
Biology 109, Fundamentals of Biology (3) —OR—	3-4
Biology 109H, Honors Fundamentals of Biology (3) —AND—	
Biology 109L, Fundamentals of Biology Lab	1
Mathematics 204, Mathematical Concepts for Elementary School Teachers	4
History 101, World Civilizations to the 16th Century —OR—	3
History 101H, Honors World Civilizations to the 16th Century	
English 102, Literature and Composition —OR—	4
English 102H, Honors Literature and Composition	
Geography 100, World Regional Geography —OR—	3
Geography 100H, Honors World Regional Geography	
Political Science 101, Introduction to American Government —OR—	3
Political Science 101H, Honors Introduction to American Government	
History 120, The United States to 1865 —OR—	3
History 120H, Honors The United States to 1865	
Child Development 107, Child Growth and Development —OR—	3
Psychology 157, Introduction to Child Psychology	
List A - Select ONE of the Following:	4
English 103, Critical Thinking and Writing (4) —OR—	
English 103H, Honors Critical Thinking and Writing (4)	
Philosophy 110, Critical Thinking (4) —OR—	
Philosophy 110H, Honors Critical Thinking (4)	
List B - Select ONE of the Following:	3
Art 100, Introduction to Art Concepts (3) —OR—	
Art 100H, Introduction to Art Concepts (3)	
Dance 100, Dance History and Appreciation (3) —OR—	
Dance 100H, Dance History and Appreciation (3)	
Dance 102, Introduction to Dance Forms (3)	
Music 101, Music Appreciation (3) —OR—	
Music 101H, Music Appreciation (3)	
Theater Arts 100, Introduction to Theater (3)	

List C - Up to 12 units including any course(s) not selected above:	12
Interdisciplinary Studies 200, Introduction to Liberal Studies (3)	
English 206, Introduction to Language Structure and Use (3) —OR—	
English 104, Language and Culture (3) —OR—	
English 104H, Honors Language and Culture (3) —OR—	
Anthropology 104, Language and Culture (3) —OR—	
Anthropology 104H, Honors Language and Culture(3)	
English 270, Children’s Literature (3)	
English 231, Survey of English Literature (3)	
English 232, Survey of English Literature (3)	
English 241, Survey of American Literature 1600-1865 (3)	
English 242, Survey of American Literature 1865-Present (3)	
English 271, Survey of World Literature (3)	
English 272, Survey of World Literature (3)	
Ethnic Studies 101, Introduction to Ethnic Studies (3) —OR—	
Ethnic Studies 101H, Honors Introduction to Ethnic Studies (3)	
Mathematics 105, Math for Liberal Arts Students (3)	
Philosophy 106, Introduction to Philosophy (3) —OR—	
Philosophy 106H, Honors Introduction to Philosophy (3)	
Philosophy 108, Ethics (3)	
Philosophy 112, World Religions (3)	
Education 204, Personal Proficiency in Educational Technology for Secondary Teachers (3)	
Education 205, Personal Proficiency in Educational Technology for Elementary Teachers (3)	
Geography 102, Cultural Geography (3) —OR—	
Geography 102H, Honors Cultural Geography (3)	
Kinesiology Professional 140, Movement Education for Elementary School Children (3)	
Total	58

## ADDENDUM TO ANNOUNCEMENT OF COURSES

### FIRE ACADEMY (FAC)

**Fire Academy 041A Reserve Firefighter Academy**  
Unit(s): 9.0  
Class Hours: 144 Lecture, 22 Laboratory total.

Basic and predictable level of knowledge, skills, and ability among those individuals destined for assignment to an wildland fire crew. Includes EMS and Hazmat First Responder. Meets minimum departmental requirements for safety. Additional materials fees may apply. Not offered every semester. Grade: Pass/No Pass Only.

**Fire Academy 071A Ventilation Review**  
Unit(s): 0.5  
Class Hours: 8 Lecture, 8 Laboratory total.  
Theory of positive pressure ventilation and panelized roofs; student will participate in walking, sounding, and cutting panelized roofs. Grade: Pass/No Pass Only.

**Fire Academy 084A Hazardous Materials First Responder Operational, Decontamination**  
Unit(s): 0.3  
Class Hours: 4 Lecture, 4 Laboratory total.  
Recommended Preparation: Trained to Hazardous Materials First Responder Operational Level.

This course is designed for hazardous material emergency response personnel. This course will provide the haz mat emergency responder with the processes used in decontamination and methods to limit the spread of hazardous materials contamination in a safe and competent manner. Additional materials fees may be required for state certificate of completion. Not offered every semester. Grade: Pass/No Pass Only.

### FIRE OFFICER TRAINING (FOT)

**Fire Officer Training 035 Auto Extrication Tactics**  
Unit(s): 0.3 - 0.5  
Class Hours: 16 - 24 Laboratory total.  
Provides hands-on experience in the procedures and systems utilized during an automobile extrication. Subjects covered include: auto extrication, types of hand and power tools, removing windows, opening doors, removing roofs, pulling steering wheels, moving foot pedals, raising dashboards, pulling seats, stabilization of vehicles, and simulated rescues of trapped victims. Grade: Pass/No Pass Only.



**Fire Officer Training 078 S-230 Crew Boss (Single Resource)**  
Unit(s): 0.5  
Class Hours: 26 Laboratory total.  
Prerequisite: Satisfactory completion of pre-course work and Qualified as firefighter type 1 (FFT1). Bring evidence of training or certification to first class session and S-290 Wildland Fire Behavior. Bring copy of course completion certificate to class.

Designed for fire service personnel desiring to be qualified as an Engine Boss (ENGB). Training for the single resource boss position from initial dispatch through demobilization to the home unit. Topics include operational leadership, preparation and mobilization, assignment preparation, risk management, entrapment avoidance, safety and tactics, offline duties, demobilization, and post incident responsibilities. Additional materials fee required for CA State Fire Training Certificate of Completion. This course is limited to 30 students. Grade: Pass/No Pass Only.

**Fire Officer Training 150A Company Officer 2A: Human Resource Management for Company Officers**  
Unit(s): 1.5  
Class Hours: 16 Lecture, 24 Laboratory total.  
Prerequisite: Fire Officer Training 060 with a minimum grade of C, or equivalent.  
This course provides information on the use of human resources to accomplish assignments, evaluate member performance, supervise personnel, and integrate health and safety plans, policies, and procedures into daily activities as well as the emergency scene. Materials fee for State Fire Training Certificate. May not be offered every semester. CSU

**Fire Officer Training 150B Company Officer 2B: General Administration Functions for Company Officers**  
Unit(s): 0.5  
Class Hours: 8 Lecture, 12 Laboratory total.  
Prerequisite: Completion of a CA Regionally Accredited Fire Academy or a signed statement by the agency’s Fire Chief or designee stating the sponsored student has completed all SFT training requirements and skills sheets for Firefighter-I or equivalent.  
This course provides information on general administrative functions and the implementation of department policies and procedures and addresses conveying the fire department’s role, image, and mission to the public. Applies to State Fire Marshal Company Officer certification. Additional materials fee required for State Certificate Fee. This class may not be offered every semester. CSU

**Fire Officer Training 150C Company Officer 2C: Fire Inspections and Investigations**  
Unit(s): 1.5  
Class Hours: 25 Lecture, 15 Laboratory total.  
Prerequisite: Completion of a CA Regionally Accredited Fire Academy or a signed statement by the agency’s Fire Chief or designee stating the sponsored student has completed all SFT training requirements and skills sheets for Firefighter I or equivalent.

This course provides information on conducting inspections, identifying hazards and addressing violations, performing a fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. Applies to State Fire Marshal Company Officer certification. Additional materials fee required for State Certificate Fee. This class may not be offered every semester. CSU

**Fire Officer Training 150D Company Officer 2D: All-Risk Command Operations for Company Officers**  
Unit(s): 1.5  
Class Hours: 16 Lecture, 24 Laboratory total.  
Prerequisite: Completion of a CSFM (California State Fire Marshal) accredited fire Academy or Completion of IFSAC (International Fire Service Accreditation Congress) accredited fire academy or Completion of a Pro Board Fire Service Professional Qualifications System fire academy or A signed statement by the agency’s Fire Chief or designee stating the sponsored student has completed all SFT training requirements and skills sheets for Firefighter-I, and ICS 200 (online certificate).  
Recommended Preparation: Hazardous Material Incident Commander (as offered by the California Specialized Training Institute)

This course is designed for aspiring company fire officers. Topics include:Conducting incident size-up, developing and implementing an initial plan of action for emergency incidents, pre-incident planning, and post-incident analysis. Applies to State Fire Marshal Company Officer certification. Materials fee required for State Certificate This class may not be offered every semester. CSU





**Fire Officer Training 150E**  
**Company Officer 2E: Wildland Incident Operations for Company Officers**  
Officers  
Unit(s): 1.5  
Class Hours: 24 Lecture, 16 Laboratory total.  
Prerequisite: Fire Officer Training 150A with a minimum grade of C and S-290 Intermediate Fire Behavior (classroom delivery only) Students must bring proof of course completion to first class meeting or they will be dropped from the course. Completion of a CA Regionally Accredited Fire Academy or a signed statement by the agency's Fire Chief or designee stating the sponsored student has completed all SFT training requirements and skills sheets for Firefighter-I. or Equivalent.  
This course provides information on evaluating and reporting incident conditions, analyzing incident needs, developing and implementing a plan of action to deploy incident resources completing all operations to suppress a wildland fire, establishing an incident command post, creating an incident action plan, and completing incident records and reports. Applies to State Fire Marshal Company Officer certification. Additional materials fee required for State Certificate Fee. This class may not be offered every semester. CSU

**Fire Officer Training 205**  
**Instructor I: Instructional Methodology Tactics**  
Unit(s): 1.5  
Class Hours: 16 Lecture, 24 Laboratory total.  
Recommended Preparation: Completion of one of the following certificates is recommended: Introduction to the Incident Command System (IS-100.B), FEMA or National Incident Management System (IS-700.A), FEMA  
Students learn to teach and deliver instruction from a prepared lesson plan utilizing instructional aids and evaluation instruments. Students will also learn to adapt a lesson plan and complete reporting requirements. Designed for: Personnel preparing for a college level fire instructor, Company Officer, or SFT Certified Training Instructor position. Applies to CSFM certification for Instructor I. Additional course material fee is required for CSFM certificate. May not be offered every semester. CSU

**Fire Officer Training 206**  
**Instructor II: Instructional Development Tactics**  
Unit(s): 1.5  
Class Hours: 16 Lecture, 24 Laboratory total.  
Prerequisite: Fire Officer Training 205 with a minimum grade of C.  
This course provides the skills and knowledge needed for the intermediate level professional fire service instructor preparing for Instructor II certification. Participants will learn to develop lesson plans and evaluation instruments, teach and deliver instruction, and evaluate and coach other instructors. Additional materials fees may be required for State Fire Training Certificate. Not offered every semester. CSU

**Fire Officer Training 210**  
**Community Risk Educator Management**  
Unit(s): 1.5  
Class Hours: 24 Lecture total.  
Prerequisite: Introduction to Incident Command System I-100 (Must bring certificate of completion to first class meeting) and National Incident Management System (NIMS): An Introduction 700 (must bring certificate of completion to first class meeting) and Instructor I: Instructor Methodology OR Training Instructor 1A Cognitive Lesson Delivery (must bring certificate of completion to first class meeting.) and Fire Prevention I: Fire & Safety Inspections Fire & Safety Inspections OR Fire Prevention 1A: Introduction to the California Fire Code Bridge OR Company Officer 2C: Fire Inspections and Investigation (Must bring certificate of completion to first class meeting) OR completion of FTC 104 Fire Prevention Technology with a minimum grade of C.  
This course provides the skills and knowledge needed for the Community Risk Educator to perform his/her duties safely, effectively, and competently by coordinating and delivering existing educational programs and information. Enrollment is limited to 30 students. CFSTES Certificate of Completion awarded. This course requires additional materials fees. CSU

**Fire Officer Training 273A**  
**Chief Fire Officer 3A: Human Resource Management for Chief Fire Officers**  
Unit(s): 1.0  
Class Hours: 16 Lecture, 10 Laboratory total.  
Prerequisite: Student must meet the educational requirements for Company Officer. Evidence of qualifications must be submitted to the Fire Technology Department prior to the first class meeting. Educational Requirements may be met with completion of: Company Officer 2A: HR Management AND Company Officer 2B: General Administrative Functions AND Company Officer 2C: Fire Inspections and Investigation AND Company Officer 2D: All-Risk Command Operations AND Company Officer 2E: Wildland Incident Operations  
OR  
If completed prior to 12/31/2016: Fire Command 1A: Command Principles for Company Officers AND Fire Command 1B: Incident Management for Company Officers AND Fire Command 1C: I-Zone Fire Fighting for Company Officers AND Fire Instructor 1A: Instructional Techniques, Part 1 AND Fire Instructor 1B: Instructional Techniques, Part 2 AND Fire Investigation 1A: Fire Origin and Cause Determination AND Fire Management 1: Management/Supervision for the Company Officer AND Fire Prevention 1A: Introduction to the California Fire Code AND Fire Prevention 1B: Inspection of Fire Protection Systems and Special Hazards AND I-300: Intermediate ICS.  
This course provides students with a basic knowledge of the human resources requirements related to the roles and responsibilities of a Chief Fire Officer. Topics include developing plans for providing employee accommodation, developing hiring procedures, establishing personnel assignments, describing methods of facilitating and encouraging professional development, developing an ongoing education training program, developing promotion procedures, developing proposals for improving employee benefits, and developing a measurable accident and injury prevention program. This course is designed for the certified Company Officer advancing to the Chief Fire Officer classification. This course is limited to 25 students. Additional materials fees may apply. Not offered every semester. CSU

**Fire Officer Training 273B**  
**Chief Fire Officer 3B: Budget and Fiscal Responsibilities for Chief Fire Officers**  
Unit(s): 0.5  
Class Hours: 10 Lecture, 8 Laboratory total.  
Prerequisite: Student must meet the educational requirements for Company Officer. Evidence of qualifications must be submitted to the Fire Technology Department prior to the first class meeting. Educational Requirements may be met with completion of: Company Officer 2A: HR Management AND Company Officer 2B: General Administrative Functions AND Company Officer 2C: Fire Inspections and Investigation AND Company Officer 2D: All-Risk Command Operations AND Company Officer 2E: Wildland Incident Operations  
OR  
If completed prior to 12/31/2016: Fire Command 1A: Command Principles for Company Officers AND Fire Command 1B: Incident Management for Company Officers AND Fire Command 1C: I-Zone Fire Fighting for Company Officers AND Fire Instructor 1A: Instructional Techniques, Part 1 AND Fire Instructor 1B: Instructional Techniques, Part 2 AND Fire Investigation 1A: Fire Origin and Cause Determination AND Fire Management 1: Management/Supervision for the Company Officer AND Fire Prevention 1A: Introduction to the California Fire Code AND Fire Prevention 1B: Inspection of Fire Protection Systems and Special Hazards AND I-300: Intermediate ICS.  
This course provides students with a basic knowledge of the budgeting requirements related to the roles and responsibilities of a Chief Fire Officer including developing a budget management system, developing a division or departmental budget, and describing the process for ensuring competitive bidding. This class is designed for the certified Company Officer advancing to the Chief Fire Officer classification. May require additional materials fee. Class size is limited to 25. Not offered every semester. CSU

**Fire Officer Training 273C**  
**Chief Fire Officer 3C: General Administration Functions**  
Unit(s): 1.0  
Class Hours: 14 Lecture, 10 Laboratory total.  
Prerequisite: Student must meet the educational requirements for Company Officer. Evidence of qualifications must be submitted to the Fire Technology Department prior to the first class meeting. Educational Requirements may be met with completion of: Company Officer 2A: HR Management AND Company Officer 2B: General Administrative Functions AND Company Officer 2C: Fire Inspections and Investigation AND Company Officer 2D: All-Risk Command Operations AND Company Officer 2E: Wildland Incident Operations  
OR  
If completed prior to 12/31/2016: Fire Command 1A: Command Principles for Company Officers AND Fire Command 1B: Incident Management for Company Officers AND Fire Command 1C: I-Zone Fire Fighting for Company Officers AND Fire Instructor 1A: Instructional Techniques, Part 1 AND Fire Instructor 1B: Instructional Techniques, Part 2 AND Fire Investigation 1A: Fire Origin and Cause Determination AND Fire Management 1: Management/Supervision for the Company Officer AND Fire Prevention 1A: Introduction to the California Fire Code AND Fire Prevention 1B: Inspection of Fire Protection Systems and Special Hazards AND I-300: Intermediate ICS.  
This course provides students with a basic knowledge of the administration requirements related to the roles and responsibilities of a Chief Fire Officer including directing a department record management system, analyzing and interpreting records and data, developing a model plan for continuous organizational improvement, developing a plan to facilitate approval, preparing community awareness programs, and evaluating the inspection program of the AHJ. Additional materials fees may be required. This course is limited to 25 students. Not offered every semester. CSU

**Fire Officer Training 273D**  
**Chief Fire Officer 3D: Emergency Service Delivery Responsibilities for Chief Fire Officers**  
Unit(s): 1.0  
Class Hours: 16 Lecture, 8 Laboratory total.  
Prerequisite: Student must meet the educational requirements for Company Officer. Evidence of qualifications must be submitted to the Fire Technology Department prior to the first class meeting. Educational Requirements may be met with completion of: Company Officer 2A: HR Management AND Company Officer 2B: General Administrative Functions AND Company Officer 2C: Fire Inspections and Investigation AND Company Officer 2D: All-Risk Command Operations AND Company Officer 2E: Wildland Incident Operations  
OR  
If completed prior to 12/31/2016: Fire Command 1A: Command Principles for Company Officers AND Fire Command 1B: Incident Management for Company Officers AND Fire Command 1C: I-Zone Fire Fighting for Company Officers AND Fire Instructor 1A: Instructional Techniques, Part 1 AND Fire Instructor 1B: Instructional Techniques, Part 2 AND Fire Investigation 1A: Fire Origin and Cause Determination AND Fire Management 1: Management/Supervision for the Company Officer AND Fire Prevention 1A: Introduction to the California Fire Code AND Fire Prevention 1B: Inspection of Fire Protection Systems and Special Hazards AND I-300: Intermediate ICS.  
This course provides students with a basic knowledge of the emergency service requirements related to the roles and responsibilities of a Chief Fire Officer including developing a plan for the integration of fire services resources, developing an agency resource contingency plan, evaluating incident facilities, supervising multiple resources, developing and utilizing an incident action plan, obtaining incident information to facilitate transfer of command, developing and conducting a post-incident analysis, and maintaining incident records. This course is designed for the certified Company Officer advancing to the Chief Fire Officer classification. Additional materials fees may be required. This class limited to 25 students. May not be offered every semester. CSU





**Fire Officer Training 274A**  
**Executive Chief Fire Officer 4A: Human Resource Management for the Executive Chief Fire Officer**  
Unit(s): 1.0  
Class Hours: 16 Lecture, 12 Laboratory total.  
Prerequisite: Fire Officer Training 273A, Chief Fire Officer 3A: Human Resource Management for Chief Fire Officers and Fire Officer Training 273B, Chief Fire Officer 3B: Budget and Fiscal Responsibilities for Chief Fire Officers and Fire Officer Training 273C, Chief Fire Officer 3C: General Administration Functions and Fire Officer Training 273D, Chief Fire Officer 3D: Emergency Service Delivery Responsibilities for Chief Fire Officers with minimum grade of C.  
This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching themes of this curriculum are recruitment, selection, and placement of human resources; the development of a positive and participative member/management program; the establishment and evaluation of a list of education and in-service training goals; appraisal of a member assistance program; and the evaluation of an incentive program to determine if the desired results are achieved. Applies to State Fire Marshal Executive Chief Fire Officer certification. Additional materials fee required for State Certificate Fee. This class may not be offered every semester. CSU

**Fire Officer Training 274B**  
**Executive Chief Fire Officer 4B: Community & Government Relations**  
Unit(s): 0.5  
Class Hours: 6 Lecture, 6 Laboratory total.  
Prerequisite: Fire Officer Training 273A, Chief Fire Officer 3A: Human Resource Management for Chief Fire Officers and Fire Officer Training 273B, Chief Fire Officer 3B: Budget and Fiscal Responsibilities for Chief Fire Officers and Fire Officer Training 273C, Chief Fire Officer 3C: General Administration Functions and Fire Officer Training 273D, Chief Fire Officer 3D: Emergency Service Delivery Responsibilities for Chief Fire Officers with minimum grade of C.  
This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching theme of this curriculum is assuming a leadership role in community events. Designed For: Executive Chief Fire Officer Candidate. CSU

**Fire Officer Training 274C**  
**Executive Chief Fire Officer 4C: Administration**  
Unit(s): 1.0  
Class Hours: 16 Lecture, 16 Laboratory total.  
Prerequisite: Fire Officer Training 273A, Chief Fire Officer 3A: Human Resource Management for Chief Fire Officers and Fire Officer Training 273B, Chief Fire Officer 3B: Budget and Fiscal Responsibilities for Chief Fire Officers and Fire Officer Training 273C, Chief Fire Officer 3C: General Administration Functions and Fire Officer Training 273D, Chief Fire Officer 3D: Emergency Service Delivery Responsibilities for Chief Fire Officers with minimum grade of C.  
This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching themes of this curriculum are developing a comprehensive, long range plan; evaluating and projecting training requirements, facilities, and building needs; completing a written comprehensive risk, hazard, and value analysis; and developing a plan for a capital improvement project or program. Applies to State Fire Marshal Executive Chief Fire Officer certification. Additional materials fee required for State Certificate Fee. This class may not be offered every semester. CSU

**Fire Officer Training 274D**  
**Executive Chief Fire Officer 4D: Emergency Services Delivery**  
Unit(s): 1.0  
Class Hours: 22 Lecture, 16 Laboratory total.  
Prerequisite: Fire Officer Training 273A, Chief Fire Officer 3A: Human Resource Management for Chief Fire Officers and Fire Officer Training 273B, Chief Fire Officer 3B: Budget and Fiscal Responsibilities for Chief Fire Officers and Fire Officer Training 273C, Chief Fire Officer 3C: General Administration Functions and Fire Officer Training 273D, Chief Fire Officer 3D: Emergency Service Delivery Responsibilities for Chief Fire Officers with minimum grade of C.  
This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching themes of this curriculum are developing a comprehensive disaster plan and a comprehensive plan for the organization to operate at a civil disturbance. Designed For: Executive Chief Fire Officer Candidate. CSU

**Fire Officer Training 274E**  
**Executive Chief Fire Officer 4E: Health and Safety Course Plan**  
Unit(s): 0.5  
Class Hours: 4 Lecture, 12 Laboratory total.  
Prerequisite: Fire Officer Training 273A, Chief Fire Officer 3A: Human Resource Management for Chief Fire Officers and Fire Officer Training 273B, Chief Fire Officer 3B: Budget and Fiscal Responsibilities for Chief Fire Officers and Fire Officer Training 273C, Chief Fire Officer 3C: General Administration Functions and Fire Officer Training 273D, Chief Fire Officer 3D: Emergency Service Delivery Responsibilities for Chief Fire Officers with minimum grade of C.  
This course provides the skills and knowledge needed for the Executive Chief Fire Officer to perform his/her duties safely, effectively, and competently. The overarching theme of this curriculum is maintaining, developing, and providing leadership for a risk management program. Designed For: Executive Chief Fire Officer Candidate. CSU



## **SANTA ANA COLLEGE**

**1530 West 17th Street • Santa Ana • [sac.edu](http://sac.edu)**

### **CENTENNIAL EDUCATION CENTER**

**2900 West Edinger Avenue • Santa Ana • [sac.edu/cec](http://sac.edu/cec)**

### **DIGITAL MEDIA CENTER**

**1300 South Bristol Street • Santa Ana • [sac.edu/dmc](http://sac.edu/dmc)**

### **ORANGE COUNTY REGIONAL**

**Sheriff's Training Academy**

**15991 Armstrong Avenue • Tustin • [sac.edu/ocr](http://sac.edu/ocr)**

### **JPTC-CN – JOINT POWER TRAINING CENTER-CENTRAL NET**

**Basic Fire Academy**

**18301 Gothard • Huntington Beach, CA 92648**

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