



SANTA ANA COLLEGE



Focused On your Future



2022-2023

CATALOG

ADDENDUM



SANTA ANA COLLEGE

2022 – 2023

CATALOG

AND ANNOUNCEMENT OF COURSES

ADDENDUM

SANTA ANA COLLEGE

1530 West 17th Street • Santa Ana, CA 92706 • 714-564-6000 • sac.edu

SCHOOL OF CONTINUING EDUCATION

2900 West Edinger Avenue • Santa Ana, CA 92704 • 714-241-5700 • sac.edu/sce

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RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT

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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ANNOUNCEMENT OF COURSES

CREDIT INSTRUCTIONAL PROGRAMS AND COURSES

ANTHROPOLOGY	
ANTH 199-Independent Study	10
ART	
ART 019-Mural Art Lab	10
CRIMINAL JUSTICE ACADEMY	
CJA 011B-Jail Training Officer.	10
CJA 036B-Mobile Field Force Instructor Course.	10
CJA 043A-Crisis Intervention Awareness	10
FIRE ACADEMY	
FAC 060A-Basic Fire Academy- Fire Fighter 1A Structure.	10
FAC 060B-Firefighter 1B-Hazardous Materials / WMD	11
FAC 060C-Firefighter 1C-Wildland Firefighter 1	11
MATHEMATICS	
MATH 087-Support for Calculus I	11
STUDY SKILLS	
STDY 109-College Learning Skills	11

NONCREDIT INSTRUCTIONAL PROGRAMS AND COURSES

ENGLISH AS A SECOND LANGUAGE (ESL)	
ESL 398-ESL Lab	12
ESL 488-Basic Writing	12
ESL 489-Intermediate Writing	12
ESL 720-ESL Transition to College Class	12
HIGH SCHOOL SUBJECTS-ARTS	
HSART 828-Understanding America Through Art	12
HSART 837-The Film As Art	12
HIGH SCHOOL SUBJECTS-MATH	
HSMTH 152-Pre-Algebra	12
HSMTH 173-Basic Consumer Math 1B	12
PARENT EDUCATION	
PRNT 562-Health Education for Family Child Care Providers.	12
VOCATIONAL-AUTOMOTIVE	
VAUTO 674-Bus Operator/Driver Training	13
VOCATIONAL-DIGITAL MEDIA ARTS	
VDMA 302-Web Design	13
VDMA 310-Introduction to Digital Media Arts	13

COLLEGE CREDIT INSTRUCTIONAL CALENDAR 2022 – 2023

FALL SEMESTER 2022

August 15-19	Faculty Projects
August 16-18	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 9	Deadline for Graduation Petition for Associate Degrees for Transfer (ADT) - only for eVerify
October 7	Deadline for Degree/Certificate/ Certification Petitions
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
Dec. 24 – Dec. 25	Holiday Break

INTERSESSION 2023

January 3	INSTRUCTION BEGINS
January 16	Martin Luther King’s Birthday – Holiday
January 29	INSTRUCTION ENDS

SPRING SEMESTER 2023

January 30 - February 3	Faculty Projects
January 30 - February 2	Common College Flex Days
February 6	INSTRUCTION BEGINS
February 10	Deadline for Graduation Petition for Associate Degrees for Transfer (ADT) - only for eVerify
February 17	Lincoln’s Birthday – Holiday
February 20	President’s Day – Holiday
February 20	Last day to add and to drop full-term classes without “W” grade with enrollment fee refund
March 10	Deadline for Degree/Certificate/ Certification Petitions
March 31	Cesar Chavez Day (observed)
April 3 - 9	Spring Recess
May 7	Last day to drop semester-length classes with “W” grade
May 29	Memorial Day – Holiday
June 1	Commencement – Santiago Canyon College
June 2	Commencement – Santa Ana College
June 4	INSTRUCTION ENDS

SUMMER SESSION 2023

June 12	INSTRUCTION BEGINS
June 19	Juneteenth Holiday
June 23	Deadline for Graduation Petition
July 4	Independence Day – Holiday
August 6	INSTRUCTION ENDS

Significant changes have been made to this general (GE) pattern effective Fall 2021. Area D, Social Sciences, has been reduced from nine units to six. Area F, Ethnic Studies, is a new three unit requirement. Students who began at SAC in Fall 2021 or later should follow the course pattern below. However, students who began attending SAC prior to Fall 2021 will be permitted to complete the previous CSU GE pattern if they maintain continuous enrollment. Please consult a SAC counselor for additional information.

GENERAL EDUCATION REQUIREMENTS FOR THE ASSOCIATE DEGREE

PLAN A: 2022-2023

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

- 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, 140
 Biology 109 or 109H/109L, 111, 115, 149, 177, 190, 190L, 200, 211, 239, 259
 Chemistry 109, 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
 Psychology 200

B. Social and Behavioral Sciences

(minimum 6 semester units)

1. American Institutions (minimum 3 semester units)
 - History 118, 120 or 120H, 121 or 121H
 - Political Science 101 or 101H
2. Social Science Elective (minimum 3 units)
 - Anthropology 100 or 100H
 - Asian American Studies 150
 - Black Studies 150
 - Chicano Studies 150
 - Child Development 107, 110
 - Criminal Justice 101 or 101H
 - Economics 120, 121
 - Ethnic Studies 102 or 102H, 150 or 150H
 - Geography 100 or 100H, 102 or 102H, 140, 155
 - History 101 or 101H, 102 or 102H
 - Kinesiology, Health Education 112
 - Law 100
 - Paralegal 100
 - 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, 211
 Anthropology 104 or 104H
 Art 100 or 100H, 101, 102, 105, 110
 Communications and Media Studies 103, 105, 111
 Dance 100 or 100H, 101, 104, 105
 Digital Media 101, 102, 103, 104, 105, 107, 113, 164
 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, 195A, 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, 243, 270, 271, 272
 Music 101 or 101H, 102 or 102H, 104, 105, 110, 111
 Philosophy 106 or 106H, 108, 112, 118
 Theatre Arts 100, 105, 120, 123

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 150
 Black Studies 150
 Chicano Studies 150
 Child Development 221
 Communication Studies 103 or 103H, 206 or 206H
 English 104 or 104H, 245, 246, 278
 Ethnic Studies 102 or 102H, 150 or 150H,
 History 123, 124 or 124H, 125, 127, 146, 150, 151, 153, 163, 181
 Kinesiology, Health Education 102
 Music 103
 Nutrition and Food 120
 Political Science 235
 Psychology 170
 Women's Studies 101, 102

D2. International Perspective

Anthropology 100 or 100H

Business 106
 Criminal Justice 209
 Dance 105
 Digital Media 102, 105
 English 271, 272
 Geography 100 or 100H, 102
 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.

Business 130
 Communication Studies 102 or 102H, 140, 145, 150
 Computer Science 100, 105
 Counseling 144
 Digital Media 164
 English 102 or 102H, 103 or 103H
 Mathematics 082, 083, 084, 105, 140, 140S, 141, 145, 150, 162, 170, 180, 185, 204, 219 or 219H or 219S, 221, 280, 287
 Philosophy 110 or 110H, 111
 Psychology 210
 Reading 101, 102, 150

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.

1. Completion of one of the following:

Child Development 107
 Counseling 100, 116, 124, 125, 128
 Entrepreneurship 100
 Fashion Design Merchandising 103
 Interdisciplinary Studies 155
 Information Studies 100
 Kinesiology, Health Education 101 or 101H, 102, 103, 104, 108
 Kinesiology, Professional 125, 160
 Mathematics 030
 Nutrition and Food 115 or 115H
 Philosophy 111
 Psychology 140, 160, 230
 Sociology 112
 Study Skills 109

2. Completion of one of the following:

Dance 102, 122A, 122B, 125A, 125B, 201A, 201B, 206A, 206B, 219A, 219B
 Kinesiology, Activities 107A, 107B, 107C, 123, 140A, 150A,

155A, 160A, 169A, 169B, 170A, 200A, 200B, 200C, 211A, 211B, 220A, 220B, 220C, 226A, 230A, 260A, 260B, 260C, 265A, 265B, 265C, 270A, 290A, 290B

Kinesiology, Adapted Activities 201A, 202A, 202B, 205A, 208A, 208B, 211A, 211B

Kinesiology, Aerobic Fitness 140A, 143A, 144A, 146A, 146B, 150A, 156A, 156B, 157A

Kinesiology, Aquatics 201A, 201B

Kinesiology, Fitness 112A, 112B, 112C, 114A, 114B, 115A, 115B, 115C, 147A, 147B

Kinesiology, Intercollegiate Athletics 125, 128, 133, 171, 201, 202, 204, 206, 209, 210, 211, 212, 213, 216, 217, 218, 219, 220, 221, 223, 227, 230, 231, 232, 235, 240, 261, 262, 270, 271, 281, 291, 293

Kinesiology, Professional 155, 165, 175, 195, 200, 275

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.

CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH (CSU GE)

PLAN B: 2022-2023

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 39-40 units of general education at Santa Ana College 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 39-40 general education units.
2. CSU-GE Certification indicates that a transfer student has met CSU lower division GE requirements. Students may earn full or subject area certification.
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. English language, Communication and Critical Thinking, A1, A2, and A3; and B4. Mathematics/Quantitative Reasoning.) 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.
9. Students earning an AS-T in Biology must complete CSU-GE Breadth for STEM.

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 2022 and are valid through Summer 2023.

TRANSFER CREDIT

Students may transfer up to 70 semester units to the CSU system. Sixty transferable units are needed for junior standing. 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.

A1: Oral Communication

Communication Studies 101 or 101H, 102 or 102H, 103 or 103H, 140, 145, 150

A2: Written Communication

English 101 or 101H

Significant changes were made to this general education (GE) pattern effective Fall 2021. Area D, Social Sciences was reduced from nine units to six units. Area F, Ethnic Studies, is a new three unit requirement. Students who began at SAC in Fall 2021 or later should follow the course pattern below. However, students who began attending SAC (or another CCC or CSU) prior to Fall 2021 will be permitted to complete the previous CSU GE pattern if they maintain CSU continuous enrollment. Please consult a SAC counselor for additional information.

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.

B1: Physical Science

Astronomy **109, 110**

Chemistry **109, 115, 209, 210, 219 or 219H, 229**

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, 190, **211, 212, 214, 229, 239, 249, 259**

Environmental Studies **259**

Psychology 200 (Fall 2017 or later completion)

B3: Laboratory Activity

Anthropology **101L**

Astronomy **140**

Biology **109L, 111, 115, 139, 149, 190L, 211, 212**, 214, 229, 239, 249, 259

Chemistry **109, 115, 209, 210, 219 or 219H, 229**

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.
 Business 130 (Fall 2019 or later completion) (Does not meet the Math Proficiency requirement for AA and AS degrees)
 Mathematics 105, 140, 140S, 145, 150, 162, 170, 180, 185, 204, 219 or 219H, 219S, 280, 287
 Psychology 210

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, 101, 102, 104, 105
 Digital Media 102, 103, 104, 107, 113
 English 233A, 233B, 233C
 Interdisciplinary Studies 121
 Music 101 or 101H, 102 or 102H, 103, 104, 105, 110 (Fall 2015 or later completion), 111
 Photography 150
 Theatre Arts 100, 105, 120, 123

C2: Humanities: Literature, Philosophy, Languages Other Than English

American Sign Language 110, 111, 116, 210
 Chinese 101, 102
 Digital Media 105
 English 102 or 102H, 220, 231, 232, 233A, 233B, 233C, 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 6 semester/9 quarter units)
 Anthropology 100 or 100H, 103, 104 or 104H, 105, 125
 Asian American Studies 150*
 Biology 200
 Black Studies 150*
 Chicano Studies 150*
 Child Development 107, 110
 Communication Studies 103 or 103H, 206 or 206H
 Communications & Media Studies 105, 111
 Computer Science 100
 Counseling 150
 Criminal Justice 101 or 101H
 Economics 120, 121
 English 104 or 104H, 245, 278
 Environmental Studies 200
 Ethnic Studies 102 or 102H, 150H* or 150H*
 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 155
 Kinesiology, Health Education 112
 Kinesiology, Professional 150
 Law 100 (Fall 2019 or later completion)
 Paralegal 100 (Fall 2020 or later completion)
 Political Science **101** or **101H**, 200 or 200H, 201, 220, 235
 Psychology 100 or 100H, 140, 157, 160, 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 6 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:

Child Development 107, 229
 Counseling 100, 116, 124, 125, 128
 Fashion Design Merchandising 103 (Fall 2021 or later completion)
 Interdisciplinary Studies 155
 Kinesiology, Health Education 101 or 101H, 102, 103, 104
 Kinesiology, Professional 125
 Nutrition and Food 115 or 115H
 Psychology 140, 157, 230
 Sociology 112
 Study Skills 109 (Fall 2013 or later completion)

E2:

Kinesiology, Activities 107A, 107B, 107C, 123, 140A, 150A, 155A, 160A, 169A, 169B, 170A, 200A, 200B, 200C, 211A, 211B, 220A, 220B, 220C, 226A, 230A, 260A, 260B, 260C, 265A, 265B, 265C, 270A, 290A, 290B
 Kinesiology, Adapted Activities 201A, 202A, 202B, 205A, 208A, 208B, 211A, 211B
 Kinesiology, Aerobic Fitness 140A, 143A, 144A, 146A, n146B, 150A, 156A, 156B, 157A
 Kinesiology, Aquatics 201A, 201B
 Kinesiology, Fitness 112A, 112B, 112C, 114A, 114B, 115A, 115B, 115C, 147A, 147B
 Kinesiology, Intercollegiate Athletics 125, 128, 133, 171, 201, 202, 204, 206, 209, 210, 211, 212, 213, 216, 217, 218, 219, 220, 221, 223, 227, 235, 240, 261, 262, 270, 271, 281, 291, 293

F. Ethnic Studies

(minimum 3 semester/4 quarter units)

Note: All courses below must have been completed Fall 2021 or later in order to fulfill Area F.

Asian American Studies 150*
 Black Studies 150*
 Chicano Studies 150*
 Ethnic Studies 102 or 102H, 150* or 150H

* Numbered 101 prior to Fall 2022

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM (IGETC)

PLAN C: 2022-2023

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.
8. Students earning an AS-T in Biology or Chemistry must complete IGETC for STEM.

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 2022 and are valid through Summer 2023.**

TRANSFER CREDIT

Students may transfer up to 70 semester units to the UC or CSU system. Sixty transferable units are needed for junior standing. All courses used for CSU transfer credit must be numbered 100 or above in the Santa Ana College catalog.

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** or 102H**, 103** or 103H**, 140, 145

AREA 2A - MATHEMATICAL CONCEPTS AND

QUANTITATIVE REASONING

1 course, 3 semester/4-5 quarter units.

Math 105, 140**, 140S**, 145, 150**, 170**, 180**, 185, 219**, 219S**, 221**, 280, 287; 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**, 101 (Fall 2022 or later completion), 102, 104, 105

Digital Media 102 (Fall 2022 or later completion), 103, 104, 107

Interdisciplinary Studies 121

Music 101** or 101H**, 102** or 102H**, 103, 104, 105, 111

Photography 150

Theatre Arts 100, 105, 120, 123 (Fall 2020 or later completion)

Group B: Humanities (minimum 1 course)

American Sign Language 111, 116, 210

Chinese 102

Digital Media 105

English 102** or 102H**, 220, 231, 232, 233A or 233B or 233C, 241, 242, 243, 245, 246, 270 (Fall 2020 or later completion), 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 150

Biology 200

Black Studies 150

Chicano Studies 150

Child Development 107**

Communication Studies 206** or 206H**

Communications & Media Studies 105, 111

Criminal Justice 101 or 101H

Economics 120, 121

English 104** or 104H**

Environmental Studies 200

Ethnic Studies 102** or 102H**, 150** or 150H**,

Geography 100** or 100H**, 102**, 140

History 101**, 101H**, 102**, 102H** (101, 101H, 102, 102H Fall 2013 or later completion), 105, 118, 120**

or 120H**, 121** or 121H**, 123, 124** or 124H**, 125, 127, 133, 146, 163*, 181

Interdisciplinary Studies 155

Law 100 (Fall 2020 or later completion)

Paralegal 100 (Fall 2020 or later completion)
 Political Science 101** or 101H**, 200** or 200H**, 201, 220, 235
 Psychology 100** or 100H**, 140, 157**, 160, 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
 Chemistry 109**, 115, 209**, 210, 219** or 219H**, 229
 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**

Group B: Biological Science (1 course)

Anthropology 101
 Biology 109** or 109H**, 111, 115, 139**, 149
 (Fall 2016 or later completion), 177, 190, 211**, 212, 214, 229**,
 239, 249, 259
 Environmental Studies 259
 Psychology 200 (Fall 2017 or later completion)

Group C: Laboratory Activity

Anthropology 101L
 Astronomy 140
 Biology 109L, 111, 115, 139**, 149 (Fall 2017 or later completion),
 190L, 211**, 212, 214, 229**, 239, 249, 259
 Chemistry 109**, 115, 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, 111, 210; Chinese 101; French 101, 102, 201, 201H, 202, 202H; Italian 120; Japanese 101, 102; Spanish 101, 101H, 102, 102H, 201, 201H, 202, 202H; Vietnamese 101, 102.

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:

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 "0" 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.
- *** High School transcript must be on file in the admissions office. Please consult with a counselor for additional information.

ANNOUNCEMENT OF COURSES

Each course is designated by a number. A descriptive title and the units allowed for the course follow the course number. Courses numbered 100 and above are university parallel courses and are offered for transfer to colleges and universities. See page 40 Transferability of Courses. Courses numbered 100 and above followed by the letter "H" are university parallel courses for transfer to colleges and universities and are offered as part of the Santa Ana College Honors Program. Students enrolling in these courses must meet the designated prerequisites. Courses numbered less than 100 are not designed for transfer. Since these courses are not ordinarily offered in the universities and four-year colleges, they are not always applicable to the requirements for the bachelor of arts or bachelor of science degrees; however, courses numbered below 100 are applicable to the associate degree unless preceded by the letter "N". Courses numbered less than 100 preceded by the letter "N" are not applicable to the associate degree and do not count toward graduation but do count toward course load.

Required sequences and frequency of course offerings as well as length of time required to obtain a degree or certificate can be found on the college website at sac.edu/academicaffairs/coursesequences.

ANTHROPOLOGY

ANTH 199

Independent Study

Unit(s):1.0, Class Hours: 18.0 Lecture, 18.0 Lab total.

Prerequisite: Successful completion, with a C or better, of at least one ANTH course and approval of Independent Study Contract by Anthropology Department Chair

Corequisite: Enrollment in at least one other course in the Rancho Santiago Community College District.

Under faculty direction, students can increase their knowledge in specific areas of anthropology through directed field experience, research, readings and independent study. Students can also develop laboratory skills and competencies. Division approval required.

CSU

ART

ART 019

Mural Art Lab

Unit(s): 0.5-2.0, Class Hours: 27.0-108.0 Lab total.

Corequisite: ART 190, or ART 291, or ART 292.

A lab for mural students to enhance skills and techniques on mural projects. Projects, determined by class assignments, vary by semester.

(Pass/No Pass Only)

CRIMINAL JUSTICE ACADEMY (CJA)

CJA 011B

Jail Training Officer

Unit(s):1.5, Class Hours: 21.0 Lecture, 19.0 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in CJA 099A POST certified basic law enforcement academy or equivalent as determined by the Associate Dean of Criminal Justice Academies and consistent with POST and/or STC accreditation standards. This course is certified by California Standards and Training for Corrections (STC) and meets the requirements of standardized training and orientation of newly selected Jail Training Officers assigned to correctional facilities.

This course provides the standard training for the initial orientation and training of newly selected Jail Training Officers assigned to correctional facilities. This course is STC accredited.

(Pass/No Pass Only)

CJA 036B

Mobile Field Force Instructor Course

Unit(s):1.0, Class Hours:12.0 Lecture, 28.0 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in CJA 099A Commission on Peace Officers Standards and Training (POST) Basic Police Academy or equivalent as determined by the Associate Dean of Criminal Justice Academies.

This course is designed to develop teaching skills to instructors focusing on law enforcement crowd management, control, and intervention tactics.

(Pass/No Pass Only)

CJA 043A

Crisis Intervention Awareness

Unit(s):0.3, Class Hours:5.0 Lecture, 3.0 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in CJA 099A.

Student will receive crisis intervention awareness training for experienced peace officers. This course is offered in partnership with Orange County Sheriff's Department.

(Pass/No Pass Only)

FIRE ACADEMY (FAC)

FAC 060A

Basic Fire Academy- Fire Fighter 1A Structure

Unit(s): 10.0, Class Hours: 84.0 Lecture, 288.0 Lab total.

Prerequisite: Completion with a grade of "C" or better or a Passing grade in FTC 101, and FTC 102, and FTC 103, and FTC 104, and FTC 105, and FTC 106, and FTC 121, and FTC 121L, and FAC 008; Current CPR Healthcare Provider certification or equivalent; Possession of current NREMT (National Registry Emergency Medical Technician) Certification; Fire Technology Department approval.

Corequisite: FAC 007

This course provides the first level of professional training needed to obtain California Fire Fighter 1 (2019) certification. Students will learn the skills and knowledge needed for the entry-level fire fighter to perform structural suppression activities. Key learning concepts include: fire fighter safety; communications; cleaning, maintaining, and utilizing equipment and tools; building construction and fire behavior; water supply; ladder operations; forcing entry into a structure; conducting search and rescue operations; attacking an interior structure fire; horizontal and vertical ventilation; property conservation; fire scene overhaul; fire fighter survival; and fire suppression with Class A materials, vehicles, and ground cover. Students are required to complete all applicable certification exams. All Fire Fighter 1 (2019) cognitive exam modules will be delivered through the State Fire Training User Portal. State Fire Training will issue IFSAC and Pro Board accredited certifications to all eligible applicants for California Fire Fighter 1 (2019) certification. Material fees required. Students must rent approved turn-outs and other personal protective equipment from designated vendor. Departmental approval required for enrollment.

FAC 060B**Firefighter 1B - Hazardous Materials / WMD**

Unit(s): 1.0, Class Hours: 18.0 Lecture, 8.0 Lab total.

This course provides the awareness skills and knowledge needed for the entry-level firefighter to recognize and identify hazardous materials and weapons of mass destruction (WMD), isolate hazards and deny entry, and initiate required notification. At the operations level, this course provides the skills and knowledge needed to identify incident scope; select, use, and inspect PPE; perform emergency decontamination; perform assigned tasks at a hazardous materials/WMD incident including product control techniques; and evaluate and report incident progress (2019). A California Firefighter 1 certification contains three levels of Professional Qualifications set by the National Fire Protection Association (NFPA). FF 1B includes the second level of professional qualifications: NFPA 1072: Hazardous Material Awareness and Operations. Material fees required.

FAC 060C**Firefighter 1C - Wildland Firefighter 1**

Unit(s): 2.0, Class Hours: 30.0 Lecture, 34.0 Lab total.

Corequisite: FAC 060A

This course provides the skills and knowledge needed for the entry-level firefighter to recognize hazards and unsafe situations; don, doff, and maintain wild and personal protective equipment; deploy a fire shelter; maintain suppression hand tools and equipment; assemble and prepare for response; construct and secure a fire line; reduce the threat of fire exposure to improved properties; and mop up and patrol a fire area when working with wild land fires. Firefighter 1C, Wildland Course Plan (2016) A California Firefighter 1 certification contains three levels of Professional Qualifications set by the National Fire Protection Association (NFPA). FF1C includes the third level of professional qualifications: NFPA 1051: Wildland Firefighter 1. Material fees required. Students must rent approved turn-outs and other personal protective equipment from designated vendor. Departmental approval required for enrollment.

MATHEMATICS (MATH)**MATH 087****Support for Calculus I**

Unit(s): 0.5, Class Hours: 36.0 Lab total.

Corequisite: MATH 180

A review of Algebra and Trigonometry topics needed to be successful in Calculus. Intended to be taken concurrently with Calculus 1 (Math 180) to supplement student learning with prerequisite skills.

(Pass/No Pass Only)

STUDY SKILLS (STDY)**STDY 109****College Learning Skills**

Unit(s): 3.0, Class Hours: 54.0 Lecture.

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.

CSU

NONCREDIT INSTRUCTIONAL PROGRAMS AND COURSES

Continuing Education courses are listed by subject on the following pages. Course numbers are listed at the beginning of each course title.

Open Entry/Open Exit courses are noted in the course descriptions. Students may enroll at any time in these courses and begin class immediately. Students progress at their own rate and may exit from the class at any time upon satisfactory completion of the required work.

In other courses, class hours refer to the number of hours that the class is scheduled to meet per week during a term.

All credits listed are high school credits. In traditional courses, students earn credits by satisfactorily completing the course. In open entry/open exit courses, students earn credits by meeting individual competency-based objectives.

Some noncredit programs offer a sequence of courses leading to a certificate. The class schedule should be consulted for current offerings.

ENGLISH AS A SECOND LANGUAGE (ESL)

ESL 398

ESL Lab

Credit(s): 0.0 Class Hours: 72.0 - 216.0 Lecture total.

This course provides English language learners of all levels the opportunity to improve their language skills, while increasing knowledge of civics and computer literacy terms/phrases through individualized and small group instruction. Online learning software programs, desktop computer software, web-based instructional programs, and faculty-created OER curriculum are used to support and enhance student learning.

Open Entry/Open Exit

ESL 488

Basic Writing

Credit(s): 0.0 Class Hours: 72.0 Lecture total.

This course will introduce beginning level English learners to basic sentence structure and the writing process.

Open Entry/Open Exit

ESL 489

Intermediate Writing

Credit(s): 0.0 Class Hours: 72.0 Lecture total.

Recommended Preparation: ESL 488, Basic Writing

This course will guide intermediate level English learners to develop their paragraph writing skills and strategies.

Open Entry/Open Exit

ESL 720

ESL Transition to College Class

Credit(s): 0.0 Class Hours: 72.0 - 96.0 Lecture total.

This noncredit course prepares students for transition to Santa Ana College by developing language skills, critical reasoning and thinking, academic study skills and student success strategies. Five high school elective credits may be granted upon passing the course.

Open Entry/Open Exit

HIGH SCHOOL SUBJECTS-ARTS (HSART)

HSART 828

Understanding America Through Art

Minimum Credit: 5.0 Class Hours: 72.0 Lecture total.

Provides an overview of American civilization through arts and crafts from the colonial period through the 20th century, including periods and artistry in their historical context.

Open Entry/Open Exit

HSART 837

The Film As Art

Minimum Credit: 5.0 Class Hours: 72.0 Lecture total.

Traces the history of film from the recording of a single event through the silent film era to current classic films, and identifies the ways films reflect the values of American culture. Culminates in the use of classic and contemporary literature as a basis for modern film.

Open Entry/Open Exit

HIGH SCHOOL SUBJECTS-MATH (HSMTH)

HSMTH 152

Pre-Algebra

Minimum Credit: 5.0 Class Hours: 72.0 Lecture total.

Introduction to variables, algebraic expressions, solving equations, inequalities, graphs, number and operation sense, estimation skills, and the ability to judge reasonableness of results will be strengthened in the context of practical applications and problem solving. (Recommended for students who have completed Principles of Mathematics or equivalent.)

Open Entry/Open Exit

HSMTH 173

Basic Consumer Math 1B

Minimum Credit: 5.0 Class Hours: 72.0 Lecture total.

Students will use practical computational skills to solve common problems in a consumer's life including home improvements, traveling costs, budgeting for household expenses, banking and investing, paying real estate and sales taxes, and preparing for careers.

Open Entry/Open Exit

PARENT EDUCATION (PRNT)

PRNT 562

Health Education for Family Child Care Providers

Credit(s): 0.0 Class Hours: 32.0-60.0 Lecture total.

Provides family child care providers with health and safety information related to licensing.

Open Entry/Open Exit

VOCATIONAL-AUTOMOTIVE**VAUTO 674****Bus Operator/Driver Training**

Credit(s): 0.0 Class Hours: 48.0 Lecture total.

This course prepares students for the California Commercial Learner's Permit (CLP). Students will review information in the California Commercial Driver Handbook, including sample test questions. Moreover, students will receive behind-the-wheel and vehicle inspection training.

VOCATIONAL-DIGITAL MEDIA ARTS**VDMA 302****Web Design**

Formerly: VBUS 302, Introduction to Web Page Development Using HTML

Credit(s): 0.0 Class Hours: 108.0 Lecture total.

This course examines global issues related to internet culture, web ethics, equity, social justice, in addition to rights and trends related to the web. In the context of cultural and social needs, students will be introduced to web design using digital media tools; graphics, illustrations, text, sound, motion, using software programs for the web. Students will also review how web design has been used to impact commerce advancement, global communication, advertising, entertainment, and self-promotion relate to global and local community needs. Students will be able to apply their knowledge in site development and responsive design.

VDMA 310**Introduction to Digital Media Arts**

Credit(s): 0.0 Class Hours: 72.0 Lecture total.

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. Students may be awarded 5 high school elective credits if they complete and pass all course assignments and requirements.

