Students who are awarded an AA-T or AS-T degree are guaranteed provide a clear pathway to a CSU major and baccalaureate degree. These degrees are designed to transfer primarily to the CSU. These include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. Students who are awarded an AA-T or AS-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 AA-T or AS-T are able to complete their remaining requirements for the similar 120 semester-unit or 180 quarter-unit baccalaureate degree within 60 semester or 90 quarter units.

For more information on the Associate Degrees for Transfer, see the Associate Degree Graduation Requirements section of this catalog. To find out which CSU campuses accept each degree, please go to https://icangotocollege.com/associate-degree-for-transfer. Current and prospective CCSF 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.

California State University (All Campuses) Admission Application Dates
To ensure consideration for admission to the campus of first choice, students are reminded to file a CSU application during the appropriate filing period shown below:

Term: Applications Accepted
Summer Quarter: February 1-28 (preceding the summer term)
Fall Semester/Quarter: October 1-November 30 (preceding the term)
Winter Quarter: June 1-30 (preceding the term)
Spring Semester/Quarter: August 1-31 (preceding the term)

Application for impacted programs and campuses must be filed during the initial application filing period. Otherwise, each campus accepts applications until capacities are reached. If you are applying after the initial filing period, consult the campus admissions office for current information.

Apply online, https://www.calstate.edu/apply.

Admission as a Transfer Student
A student may satisfy CSU admission requirements as an upper division transfer student by:

• Completing a minimum of 60 transferable semester units (CCSF courses numbered 1 through 799 except for some non-degree applicable Biotechnology, English, English as a Second Language, Engineering Technology, and Mathematics courses).
• Maintaining a grade point average of 2.00 or higher in all transferable units attempted.
• Satisfying a minimum of 30 units of General Education with grades of C or better including: A1 Oral Communication, A2 Written Communication, A3 Critical Thinking, B4 Quantitative Reasoning.

Supplementary Admissions Requirements. Some majors and campuses receive more applications during the initial filing period than can be accommodated and have higher admission standards. For detailed information regarding Impacted Undergraduate Majors and Campuses in the California State University, go to https://www.calstate.edu/attend/degrees-certificate-credentials/Pages/impacted-degrees.aspx.

Transfer of Credit to the California State University (All Campuses)
The campuses of the California State University accept credit from City College of San Francisco as follows:
1. They accept as elective credit toward graduation the units earned in all City College courses numbered 1 through 799, except for BTEC 108A, ESL 75, 122, 132, 142, 182; ENGL 12, 88, ET 108A, and MATH 46, 60, 80S, 90S.

2. They do not accept credit earned in City College foundational courses. (These courses are named with only one letter—for example, Chemistry C.)

3. They accept transfer credit as indicated above, but do not accept more than 70 semester units of community college credit to be used to satisfy the unit requirements for the baccalaureate degree.

4. They accept partial or full certification of completion of the Lower Division General Education requirements for graduation from the California State University for courses completed at City College.

5. They do not necessarily accept credit that City College has granted for work completed at other collegiate institutions or for The College Board's AP examinations.

American Institutions and United States History Requirement

Upon completion of this coursework, a student will be able to:

US1: Analyze significant events from U.S. history, including cultural and regional influences.

US2: Evaluate political institutions and processes in the United States.


Candidates for a bachelor's degree must satisfy the requirement in American Institutions and United States History by completing one course from each of the following two groups:

Group 1. (US-2&3) Asian American Studies 23; Political Science 1
Group 2. (US-1) Asian American Studies 20; History 1, 9, 12A, 12B, 17A, 17B, 41A, 41B, 45; Labor and Community Studies 70A, 70B; Latin American & Latina/o/e/x Studies 1

General Education Requirements for the California State University (All Campuses) for 2023–24

CSU GE-Breadth handouts and related information are available from a counselor; the Transfer Center; ASSIST, www.assist.org; or the CCSF articulation webpage, www.ccsf.edu/artic.

Requirements for the baccalaureate degree at the California State University include the completion of a minimum of 48 semester units in general education within a prescribed pattern, including 9 semester units of upper-division work. A maximum of 39 semester units may be certified by City College as having met the CSU lower division General Education requirements.

The 39 semester-unit pattern is distributed among six broad areas as noted below. City College will certify completion of each area according to the unit limits shown. Students who complete the entire pattern may also petition for the Certificate of Achievement in CSU General Education Breadth.

Students have the option to complete the Intersegmental General Education Transfer Curriculum (IGETC) in lieu of the 39-unit CSU general education pattern.

Due to catalog publication deadlines, the following list of CSU GE approved courses is in process. Updated information is available from a counselor; the Transfer Center; ASSIST, www.assist.org; or the CCSF articulation webpage, www.ccsf.edu/artic.

AREA A: Communication in the English language and Critical Thinking

Nine (9) certifiable semester units or 12–15 quarter units with at least one course from each of A1, A2, and A3

A1 Oral Communication:
Upon completion of this coursework, a student will be able to:
1. Demonstrate clear and precise oral expression.
2. Identity and use culturally competent communication practices.
3. Analyze how communication practices impact experiences.

One course from the following:
Communication Studies 1A, 3, 4, 6, 20
English as a Second Language 79

A2 Written Communication:
Upon completion of this coursework, a student will be able to:
1. Read critically to annotate, analyze, and evaluate primarily non-function, college-level texts.
2. Compose organized and coherent source-based essays that demonstrate critical thinking and rhetorical strategies.
3. Demonstrate control over all major conventions of standard English grammar and punctuation.
4. Select and integrate reliable, credible, and scholarly sources to support essays, using a standardized citation format.

Take the following course:
English 1A

A3 Critical Thinking:
Upon completion of this coursework, a student will be able to:
1. Practice inductive and deductive reasoning in written or oral contexts.
2. Integrate support for ideas into an argument structure.
3. Identify formal and informal fallacies of language in thought.

One course from the following:
Communication Studies 2, 3
English 1B, 1C
Latin American & Latina/o/e/x Studies 2
Philosophy 2, 4, 40

AREA B: Physical Universe and its Life Forms

Nine (9) certifiable semester units or 12–15 quarter units required with at least one course each from B1, B2 [at least one to contain a laboratory component identified in B3] and B4

B1 Physical Science:
Upon completion of this coursework, a student will be able to:

Physical Science
1. Apply scientific inquiry and investigation of evidence to critically evaluate physical science arguments.
2. Communicate scientific ideas and theories effectively.
3. Apply scientific principles, theories, or models to explain the behavior of natural physical phenomena.
4. Apply physical science knowledge and reasoning to human interaction with the natural world and issues impacting society.
One course from the following:
Astronomy 1, 17, 19
Energy 3
Geography 1
Geology 10, 11, 30, 111
Oceanography 1
Physical Science 11
Physics 2A, 2B, 4A, 4B, 4C, 4D, 10, 20, 41

B2 Life Science:
Upon completion of this coursework, a student will be able to:

Biological Science
1. Apply scientific inquiry and investigation of evidence to critically evaluate biological science arguments.
2. Communicate scientific ideas and theories effectively.
3. Apply scientific principles, theories, or models to explain the behavior of natural biological phenomena.
4. Apply biological science knowledge and reasoning to human interaction with the natural world and issues impacting society.

One course from the following:
Anthropology 1
Astronomy 4
Biology 9, 10, 11, 12, 14, 15, 19, 20, 32, 33, 40, 51, 53, 61, 100A, 100B, 106, 108, 111, 112, 114, 118, 118B, 119, 120, 134
Biotechnology 4
Environmental Science and Sustainability 31
Psychology 1B

B3 Laboratory Activity (to be taken with course from B1 or B2)
Upon completion of this coursework, a student will be able to:

Laboratory Science
1. Investigate natural phenomena through a variety of scientific inquiry techniques.
2. Analyze and evaluate data from the natural world.
3. Apply scientific principles, theories, or models to predict and explain the behavior of natural phenomena.

One course from the following:
Anthropology 1L
Astronomy 16
Biology 9, 10, 11, 12, 14, 19, 32L, 51L, 100A, 100B, 106, 108, 111, 112, 118, 120
Biotechnology 4
Chemistry 32, 40, 101A, 101B, 103A, 208A, 208B, 212A, 212B
Energy 3L
Environmental Science and Sustainability 31L
Geography 1L
Geology 10L, 11L, 30L, 111
Oceanography 1L
Physical Science 11L
Physics 2AL, 2BL, 4AL, 4BL, 4CL, 4DL, 10L

B4 Mathematics/Quantitative Reasoning:
Upon completion of this coursework, a student will be able to:
1. Apply mathematical concepts through numerical, symbolic, graphical, and verbal methods to interpret quantitative information, solve problems, and communication results

One course from the following:
Economics 5
Engineering Technology 50
Finance 136M
Latin American & Latina/o/e/x Studies 5
Mathematics 70, 75, 80, 92, 95, 98, 100A, 100B, 108, 110A, 110B, 110C, 115, 120, 125, 130
Philosophy 12A
Psychology 5

AREA C: Arts, Literature, Foreign Language and Philosophy
Nine (9) certifiable semester units or 12-15 quarter units with at least one course in the Arts and one course in the Humanities

C1 Arts:
Upon completion of this coursework, a student will be able to:
1. Identify connections between the arts and cultural and social awareness.
2. Analyze the broader social/historical contexts of works of art.
3. Evaluate the creative expression of self and others.

At least one course from the following:
African American Studies 55
Architecture 31A, 31B, 102
Asian Studies 11
Cinema 18, 21, 23A, 23B, 57
Communication Studies 38
Dance 30, 100A
Fashion 55
Interior Design 138
Latin American & Latina/o/e/x Studies 14
Lesbian, Gay, Bisexual & Trans 20, 55
Maker Studies 100
Photography 40, 50A, 50B
Theatre Arts 30, 31, 32, 33, 150A
Visual Media Design 110

C2 Humanities:
Upon completion of this coursework, a student will be able to:
1. Exhibit an understanding of the ways in which people in diverse cultures and eras have produced culturally significant works.
2. Communicate effectively the meanings and intentions of creative expression.
3. Use analytical techniques to assess the value of human creations in meaningful ways.
4. Demonstrate an understanding of the human condition through language, reasoning, or artistic creation.

At least one course from the following:
African American Studies 30, 40, 60
American Sign Language 2A
American Studies 5
Asian American Studies 6, 10, 30, 35
Asian Studies 15, 30
Upon completion of this coursework, a student will be able to:

**AREA D: Social Sciences**

- World Languages and Cultures 100
- Women's and Gender Studies 10
- Spanish 1, 1A, 1B, 2, 2A, 3A, 3B, 4, 5, 10A, 10B, 10C, 10D, 11A, 11B, 41, 42
- Russian 1A, 1B, 21A, 21B
- Filipino 1, 2, 10A, 10B, 10C, 39A, 39B
- Philosophy 2, 4, 25A, 25C
- Philosophy 2, 4, 25A, 25C
- Interdisciplinary Studies 3, 4, 14, 27B, 29, 30, 31, 36, 47
- Italian 1, 1A, 1B, 2, 2A, 3A, 3B, 4A, 4B, 10A, 10B, 10C, 11A, 11B, 15A, 15B
- Japanese 1, 1A, 1B, 2, 2A, 2B, 3, 3A, 3B, 4, 4A, 4B, 10A, 10B, 10C, 39
- Latin American & Latina/o/e/x Studies 1, 13, 15
- Lesbian, Gay, Bisexual & Transgender Studies 21, 24
- Latin American & Latina/o/e/x Studies 1, 2, 9, 10, 11, 13, 15
- Lesbian, Gay, Bisexual & Transgender Studies 5, 9, 10, 21, 50

^If two different disciplines are not completed at the lower division level, a second discipline must be chosen at the upper division level.

**AREA E: Lifelong Understanding and Self-Development**

Upon completion of this coursework, a student will be able to:

1. Identify strategies for continual sociological and biological well-being.
2. PE/Dance Specific Outcome: Examine, summarize, and value the physical skills essential for mental and physical well being.

**Three (3) certifiable semester units or 4-5 quarter units from the following:**

**Career Development 60**
- Disabled Students Prog & Serv *20
- Emergency Medical Technician 14
- Health Education 10, 25, 27, 30, 33, 48, 52, 53, 54, 67, 97, 120
- Interdisciplinary Studies 17, 50
- Learning Assistance 50
- Lesbian, Gay, Bisexual & Trans 21, 24
- Psychology 9, 14, 15, 17, 21, 24, 26, 40
- Sociology 35
- Women's and Gender Studies 55

*All DANC/PE/PE A activity credit combined limited to 1 unit

**VETERANS:** Students who have completed at least six (6) months of continuous active U.S. military service have satisfied Area E. DD214 or military transcript must be on file.

**Area F: Ethnic Studies**

Upon completion of this coursework, a student will be able to:

1. Analyze and articulate concepts of race, ethnicity, and identity in the U.S. through the lens of colonialism, anti-racism, and equity
2. Apply theory and knowledge produced by U.S. ethnic communities in order to describe their histories, cultures, contributions, struggles, and agency
3. Analyze critical intersections of race and racism as they relate to identities and forms of oppression in U.S. ethnic communities
4. Review critically how struggle, resistance, racial and social justice, solidarity, and liberation as experienced and enacted by U.S. ethnic groups are relevant to current and structural issues
5. Describe and engage with anti-racist and anti-colonial issues and the practices and movements in U.S. ethnic communities building a just and equitable society

Three (3) certifiable semester units or 4-5 quarter units from the following:
- African American Studies 30, 40, 42, 55, 60
- Asian American Studies 1, 6, 8, 10, 20 22, 23, 27, 30, 35, 40
- Ethnic Studies 37
- Interdisciplinary Studies 37
- Latin Amer & Latina/o/e/x Studies 1, 2, 9, 10
- Lesbian, Gay, Bisexual & Trans 9

University of California (All Campuses)
Admission Application Dates
Beginning Fall ‘23, all University of California campuses will accept applications from October 1-November 30.
Apply online, www.universityofcalifornia.edu/apply.

Minimum U.C. Transfer Eligibility Requirements
To be eligible for admission to UC as a transfer student, you must fulfill the following criteria:
1. Complete 60 semester units (90 quarter units) of transferable college credit with a grade point average of at least 2.4, and
2. Complete a course pattern requirement to include:
   - Two transferable college courses (3 semester units or 4–5 quarter units each) in English composition; and
   - One transferable college course (3 semester units or 4–5 quarter units) in Mathematical Concepts and Quantitative Reasoning; and
   - Four transferable college courses (3 semester units or 4–5 quarter units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, the physical and biological sciences.

The current admission requirements for nonresident transfer applicants are the same as those for residents except that nonresidents must have a grade point average of 2.8 or higher in all transferable college course work.

In recent years, the number of applicants to many campuses and majors has greatly exceeded the spaces available. This increased competition means the University may no longer be able to guarantee admission to all eligible students. When a campus has to choose among qualified students, it applies standards that are more demanding than the minimum requirements. Using a process called comprehensive review, admissions officers look beyond the required course work and grades to evaluate applicants' academic achievements in light of the opportunities available to them and the capacity each student demonstrates to contribute to the intellectual life of the campus.

Courses from City College of San Francisco Acceptable at All Campuses of the University of California for 2023-24
1. The University of California (all campuses) accepts as elective credit toward graduation the units earned in the courses listed below, subject to the limitations and exclusions noted.
2. The following is a complete list of City College courses for which the University of California accepts credit, subject to the limitations listed. If a City College course does not appear on this list, the course is not accepted for credit by the University of California.

The following information is based upon information received from the University at the time of the publication of this catalog. The University may decide after the publication of this catalog to limit or not to accept units earned in some City College courses.

Due to catalog publication deadlines, the following list of approved courses is in process. Updated information is available from a counselor; the Transfer Center; ASSIST, www.assist.org; or the CCSF articulation webpage, www.ccsf.edu/artic.

City College courses which are accepted for credit by all campuses of the University of California:
- Academic Achievement Personal Success 103
- Administration of Justice 52, 57, 59, 65, 67
- African American Studies 30, 40, 42, 55, 60
- American Sign Language 1A, 1B, 2A
- American Studies 5
- Anthropology 1, 1L, 2, *3, *3C, 4, 8, 11, 12, 15, 20, 25, 50
  *3 and 3C combined: maximum credit, one course
- Asian American Studies 1, 6, 8, 10, 20, 22, 23, 27, 30, 35, 40, 42, *65
  *Independent Study course — to be reviewed for credit by UC campus upon transfer
- Asian Studies 11, 15, 30
- Astronomy *1, 4, 16, *17, *18, *19
  *1, 17, 18, 19 combined: maximum credit allowed, 2 courses

BIOLOGICAL SCIENCES:
- Anthropology 1
  *No credit for 11 if taken after Biology 100A, 100B
  ++No credit for 10 if taken after Biology 11, 100A, 100B, or Biology 111 (formerly: Physiology 1) or Biology 112 (formerly: Physiology 12)
  ^No credit for Biology 106 (formerly: Anatomy 14) if taken after Biology 108 (formerly: Anatomy 25) or 111 (formerly: Physiology 1) or Biology 112 (formerly: Physiology 12); Biology 106 or Biology 108 combined with Biology 11 or Biology 112: Maximum credit, 2 courses
  #BIO 132 and BIO 134 combined: maximum credit, 1 course
- Biotechnology (see Engineering & Technology)
- Broadcast Electronic Media Arts 100, 101, 103
BUSINESS:
  Accounting 1, 2
  Business Law 1, 2
  General Business 119, 120
  Management 235
  Microcomputer Applications for Business +60
  +CNIT 100, CS 100M, and MABS 60 combined: maximum credit, one course
  Paralegal Studies 10

Career Development 60

Chemistry *# 32, ^40, ^85, ^101A, 101B, *103A, *# 110, **208A, **208B, **212A, **212B
^32, 40 and 110 combined: maximum credit, 1 course
^# No credit for 32, 40 or 110 if taken after 101A
*101A, 103A combined: maximum credit allowed, one course.
^#40, 110 combined: maximum credit allowed, one course. No credit for 40, 110 if taken after 101A or 103A
*Variable Topic Course - to be reviewed for credit by UC Campus upon transfer.
**208A-208B and 212A-212B combined: maximum credit allowed, one series; no credit for 212A if taken after 208AB

^1AB is equivalent to 1: maximum credit, 6 units;
^2AB is equivalent to 2: maximum credit, 6 units;
#3AB is equivalent to 3: 3, 3AB, and 31AB combined: maximum credit, 6 units;
^4AB is equivalent to 4: maximum credit, 6 units;

Child Development 53, 67, 75, 150

Cinema 18, 19, ^20A, ^20B, 21, 22, 23A, 23B, 23C, 24, 57,
^20A, 20B, and LGBT 11, LGBT 12 combined: maximum credit allowed, two courses

Classics 35

Communication Studies 1A, 2, 3, 4, 5, 7, 8, 20, 50

Computer Aided Drafting (see Engineering & Technology)

Computer Networking & Information Technology +100, +100M, 133M
+CNIT 100, +CNIT 100M, and MABS 60 combined: maximum credit, one course

+CNIT 100, CNIT 100M and MABS 60 combined: maximum credit, one course
#160A and 160B must both be taken in order to receive transfer credit
*Independent Study course — to be reviewed for credit by UC campus upon transfer

Culinary Arts and Hospitality Studies 247

*Any or all of these courses, HLTH 50 and MUS 47, (*)PE and (*)PE A courses combined: maximum credit, 4 units

Design *101, 105, *110, **150
*Same as PHOT 100, VMD 101
*Same as VMD 112
**Same as VMD 118

Disabled Students Program and Services *20
*Any or all of these courses, HLTH 50, MUS 47, (*)PE and (*)PE A courses combined: maximum credit, 4 units

Drama (see Theatre Arts)

Economics 1, 3, *5, 6, 15, 20, 22, 25, 30
*ECON 5, LALS 5, MATH 80, MATH 108 and PSYC 5 combined: maximum credit, one course

Emergency Medical Technician 14

Energy (see Engineering & Technology)

Engineering (see Engineering & Technology)

ENGINEERING AND TECHNOLOGY:
  Biotechnology 4, 5, 20
  Computer Aided Drafting 181
  Energy 3, 3L
    Engineering 1A, 10A, 10B, 20, 20L, 24, 36, 37, 38, 45
  Environmental Science and Sustainability 31, 31L
  English as a Second Language 184, 186, 188
*Any or all of these courses combined: max. credit allowed, 8 units

Environmental Science and Sustainability (see Engineering & Technology)

Ethnic Studies *37, #45 (see African American, Asian American, Latin American and Philippine Studies)
*Same as IDST 37
#Same as IDST 45

Fashion 22

French *1, *1A, *1B, +2A, +2B, #3, #3A, #3B, 4, 5, 11A, 11B, **20, 22, 23, 41, 42
*1AB is equivalent to 1: maximum credit, 6 units;
+2AB is equivalent to 2: maximum credit, 6 units
#3AB is equivalent to 3: maximum credit, 6 units

Independent Study course — to be reviewed for credit by UC campus upon transfer

Genetics (See Biological Sciences)

Geography 1, 1L, 3, 4, 7, 41A, 110

Geology 10, 10L, 11L, 30, 30L

German 1A, 1B

*Any or all of these courses, and PE 14 combined maximum credit allowed, one course

+Independent Study/Variable Topics courses — to be reviewed for credit by UC campus upon transfer

*11, 12, 41A and 41B combined: maximum credit allowed, two courses

Independent Study
*Please note that the transfer credit for courses of this kind is contingent upon an evaluation of the course outline by a University of California campus.

Interdisciplinary Studies 3, 4, 7, 14, 17, 27B, +27C, +28A-F, 29, 30, 31, 36, *37, #45, 46, 47, ^50
+Independent Studies/Variable Topics course—reviewed by UC campus upon transfer
*Same as ETHN 37
#Same as IDST 45
^Same as LERN 50

Interior Design 100

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*1AB is equivalent to 1: maximum credit, 6 units;
+2AB is equivalent to 2: maximum credit, 6 units;

Japanese  *1, *1A, *1B, +2, +2A, +2B, #3, #3A, #3B, **4A, **4B, 16, 17, 18, 39
*1AB is equivalent to 1: maximum credit, 6 units;
+2AB is equivalent to 2: maximum credit, 6 units;
#3AB is equivalent to 3: maximum credit, 6 units;
**4AB is equivalent to 4, maximum credit, 6 units

Learning Assistance  *50
*Same as LALS 15

Library Information Skills  10

*No credit for 75 if taken after 100A or 110A
+ECON 5, LALS 5, MATH 80, MATH 108 and PSYC 5 combined: maximum credit, one course
#Credit for either MATH 90 or MATH 98

Microbiology  (See Biological Sciences)

*No credit for 100 if taken after 1A or 3A
47, HLTH 50, (*DANC, (*PE and (*PE A courses combined: maximum credit, 4 units

Nutrition  (See Biological Sciences)

Oceanography  1, 1L

Ornamental Horticulture  50, *76, *77
*76 and 77 combined: maximum credit, one course

Paralegal Studies  (see Business)

Philippine Studies  *10, 20, 30, 40, 42, 50 (See also Pilipino courses)
*Independent Study course — to be reviewed for credit by UC campus upon transfer

Philosophy  2, 4, 12A, 25A, 25C, 40

Photography  40, 50A, 50B, 51, 60A, 60B, 81A, *100
*Same as DSGN 101, VMD 101

*Any or all of these courses, MUS 47, HLTH 50, (*DANC, (*PE and (*PE A courses combined: maximum credit, 4 units

*2A-2B combined with 4ABCD: max. credit, one series; Deduct credit for duplication of topics
#10 and 41 combined: maximum credit allowed, one course; no credit for 10 or 41 if taken after 2A or 4A

Psychology  1, 2, 4, 5, 12, 15, 18, 19, 22, +41, +42A, +42B, +42C, +42D, 43, 45
+Variable Topics course — to be reviewed for credit by UC campus upon transfer

Theatre Arts  30, 31, 32, 33, 60, 61, 62, 63, 80, 81, 107ABC, 150ABC, 151ABC, 152C, 153ABC, 154ABC, 160ABC, 170ABCD, 171ABCD, 201ABC, 202ABC, 203ABC, 204ABC

Visual Media Design  *101, 110, *112, +118, 120, 122, 170, 182
*Same as DSGN 101, PHOT 100
**Same as DSGN 110
+Same as DSGN 150

*Variable Topics course — to be reviewed for credit by UC campus transfer

Zoology  (see Biological Science)

The University accepts transfer credit as indicated above, but does not accept more than 70 semester units of lower division credit toward graduation. Lower division courses in excess of 70 semester units will receive subject credit and may be used to satisfy University subject requirements. The University does not accept credit that students have been granted for military service, nor does the University necessarily accept credit that City College of San Francisco has granted for work completed at other institutions.
Intersegmental General Education Transfer Curriculum (IGETC) for 2023-24

The Intersegmental General Education Transfer Curriculum (IGETC) is a general education pattern that fulfills all lower-division general education requirements at most California State University (CSU) and most University of California (UC) campuses/majors. It is also accepted by some private/independent or out of state universities. Completion of IGETC is not a requirement for transfer to the CSU or UC, nor is it the only way to fulfill the lower division general education requirements. Students transferring to CSU campuses may find it advantageous to follow CSU-GE requirements. Students transferring to UC may also complete campus specific breadth requirements. Please note: IGETC is not recommended and/or acceptable for some colleges and majors within the UC system. Please consult with your counselor.

Notes:
- IGETC does not guarantee admissions to any CSU or UC campus. Please consult with a counselor regarding limitations or restrictions on the IGETC acceptance.
- All courses for IGETC must be completed with "C" or better grade. A grade of Credit or Pass may be used if the community college's policy states it is equivalent to a grade of C or better.
- Courses marked with an "*" have limits placed on transfer credits by UC or CSU. Courses listed in multiple AREAS shall not be certified in more than one area except for courses in Languages Other Than English (AREA 6 LOTE), which can be certified in both AREAS 3B and 6.
- Course requirements for ALL areas must be completed before IGETC can be fully certified, though IGETC may be partially certified if all but two courses on the IGETC pattern have been completed.
- IGETC Certification needs to be requested by students through a counselor.
- Students completing the IGETC pattern may petition for a CCSF Certificate of Achievement.

Due to catalog publication deadlines, the following list of approved IGETC courses is in process. Updated information is available from the Transfer Center; ASSIST, www.assist.org; or the CCSF articulation webpage, www.ccsf.edu/artic.

AREA 1: English Communication
CSU—Three courses required—one (1) course from each group
UC—Two courses required—one from Group A, & one from Group B.

1A-English Composition:
Upon completion of this coursework, a student will be able to:
1. Read critically to annotate, analyze, synthesize, and evaluate primarily non-fiction, college-level texts.
2. Compose organized and coherent source-based essays that demonstrate critical thinking and rhetorical strategies.
3. Demonstrate control over all major conventions of standard English grammar and punctuation.
4. Select and integrate reliable, credible, and scholarly sources to support essays, using a standardized citation format

One course, 3 semester units (4 quarter units):
English 1A

1B-Critical Thinking—English Composition:
Upon completion of this coursework, a student will be able to:
1. Practice inductive and deductive reasoning in written or oral contexts.
2. Integrate support for ideas into an argument structure.
3. Identify formal and informal fallacies of language in thought.

One course from the following, 3 semester units (4 quarter units):
Communication Studies 2
English 1B, 1C

1C-Oral Communication (CSU-ONLY):
Upon completion of this coursework, a student will be able to:
1. Demonstrate clear and precise oral expression.
2. Identify and use culturally competent communication practices.
3. Analyze how communication practices impact experiences.

One course from the following, 3 semester units (4 quarter units):
Communication Studies 1A, 3, 4, 20

AREA 2: Mathematical Concepts and Quantitative Reasoning
Upon completion of this coursework, a student will be able to:
1. Apply mathematical concepts through numerical, symbolic, graphical, and verbal methods to interpret quantitative information, solve problems, and communication results.

One course from the following, 3 semester units (4 quarter units):
Economics *5
Latin American & Latina/o/e/x Studies *5
Psychology *5

AREA 3: Arts and Humanities
At least three courses, with at least one from the Arts and one from the Humanities, 9 semester units (12–15 quarter units).

3A Arts:
Upon completion of this coursework, a student will be able to:
1. Identify connections between the arts and cultural and social awareness.
2. Analyze the broader social/historical contexts of works of art.
3. Evaluate the creative expression of self and others.

At least one course from the following:
African American Studies 55
Architecture *31A, *31B
Asian Studies 11
Cinema 18, 23A, 23B, 57
Dance 30
Latin American & Latina/o/e/x Studies 14
Lesbian, Gay, Bisexual & Trans 20, 55
Maker Studies 100
Photography 40, 50A, 50B
3B Humanities:
Upon completion of this coursework, a student will be able to:
1. Exhibit and understanding of the ways in which people in diverse cultures and eras have produced culturally significant works.
2. Communicate effectively the meanings and intentions of creative expression.
3. Use analytical techniques to assess the value of human creations in meaningful ways.
4. Demonstrate an understanding of the human condition through language, reasoning, or artistic creation.

At least one course from the following:
- African American Studies 30, 40, 60
- American Sign Language 2A
- Asian American Studies 6, 10, 35
- Asian Studies 15, 30
- Classics 35
- Communication Studies 8
- Ethnic Studies 37
- Interdisciplinary Studies 3, 4, 14, 27B, 29, 30, 31, 36, 37, 46, 47
- Italian 3A, 3B, 4A, 4B
- Latin American & Latina/o/e/x Studies 1
- Lesbian, Gay, Bisexual and Transgender Studies *11, 12, 15, 18, 75
- Philippine Studies 30, 42
- Philosophy 2, 4, 25A, 25C
- Pilipino 39A, 39B
- Women’s and Gender Studies 10

AREA 4: Social and Behavioral Sciences
Upon completion of this coursework, a student will be able to:
1. Exhibit an understanding of methods of inquiry used by the social and behavioral sciences.
2. Critically evaluate the ways people act, think and feel in response to their societies.
3. Demonstrate socio-cultural participation skills, ethical reasoning, and/or political awareness in order to be effective citizens in a diverse world.

Two (2) courses from two (2) academic disciplines 6 semester units (9 quarter units)
- Administration of Justice 57, 59, 65, 67
- African American Studies 42
- American Studies 5
- Anthropology 2, 3, 3C, 4, 8, 11, 12, 15, 20, 25, 50
- Asian American Studies 8, 20, 22, 23, 27, 30, 35, 40, 42
- Broadcast Electronic Media Arts 101, 103
- Child Development 53, 67
- Communication Studies 5
- Economics 1, 3, 6, 15, 20, 22, 25, 30
- Ethnic Studies 37, 45
- Geography 3, 4, 7
- Health 10, 52, 54, 56, 221, 231
- Interdisciplinary Studies 7, 17, 30, 31, 37, 45
- Labor Studies 15, 70A, 70B, 88, 114
- Latin American and Latina/o/e/x Studies 1, 2, 9, 10, 11, 13, 15
- Lesbian, Gay, Bisexual, & Transgender Studies 5, 9, 10, 50
- Philippine Studies 20, 40, 50
- Physical Education 13, 28
- Political Science 1, 2, 3, 4, 5, 12, 15, 18, 19, 22, 43, 45
- Psychology 1, 2, 10, 11, 21, 23, 24, 25, 32, 40
- Sociology 1, 2, 3, 21, 25, 35, 52, 55
- Women’s and Gender Studies 25, 35, 54

AREA 5: Physical and Biological Sciences
Two (2) courses, one Physical Science course and one Biological Science course: must include at least one Laboratory Activity, 7-9 semester units. (9-12 quarter units)

5A Physical Sciences
Upon completion of this coursework, a student will be able to:
1. Apply scientific inquiry and investigation of evidence to critically evaluate physical science arguments.
2. Communicate scientific ideas and theories effectively.
3. Apply scientific principles, theories, or models to explain the behavior of natural physical phenomena.
4. Apply physical science knowledge and reasoning to human interaction with the natural world and issues impacting society.

One course from the following:
- Astronomy 1, 17, 18, 19
- Energy 3
- Geography 1
- Geology 10, 11, 30
- Oceanography 1
- Physical Science 11
- Physics 2A, 2B, 4A, 4B, 4C, 4D, 10, 20, 41

5B Biological Sciences
Upon completion of this coursework, a student will be able to:
1. Apply scientific inquiry and investigation of evidence to critically evaluate biological science arguments.
2. Communicate scientific ideas and theories effectively.
3. Apply scientific principles, theories, or models to explain the behavior of natural biological phenomena.
4. Apply biological science knowledge and reasoning to human interaction with the natural world and issues impacting society.
One course from the following:
Anthropology 1
Astronomy 4
Biology 9, 10, 11, 12, 14, 15, 19, 20, 32, 33, 40, 51, 53, 61, 100A, 100B, 106, 108, 111, 112, 114, 118, 118B, 119, 120
Biotechnology 4
Environmental Science and Sustainability 31
Psychology 1B

5C Laboratory Activity
Upon completion of this coursework, a student will be able to:
1. Investigate natural phenomena through a variety of scientific inquiry techniques.
2. Analyze and evaluate data from the natural world.
3. Apply scientific principles, theories, or models to predict and explain the behavior of natural phenomena.

One course from the following:
Anthropology 1L
Astronomy 16
Biology 9, 10, 11, 12, 14, 19, 32L, 51L, 100A, 100B, 106, 108, 111, 112, 118, 120
Biotechnology 4
Chemistry 32, 40, 101A, 101B, 103A, 208A, 208B, 212A, 212B
Energy 3L
Environmental Science and Sustainability 31L
Geography 1L
Geology 10L, 11L, 30L
Oceanography 1L
Physical Science 11L
Physics 2AL, 2BL, 4AL, 4BL, 4CL, 4DL, 10L

AREA 6: Language Other Than English
Upon completion of this coursework, a student will be able to:
1. Communicate effectively, beyond beginning level, in a language other than English.
2. Compose well-organized writing in a language other than English.
3. Demonstrate comprehension of the spoken non-English language in a variety of listening situations.
4. Interpret a variety of written texts in a language other than English.

(UC requirement ONLY)
Complete ONE of the following ways to demonstrate proficiency in a language other than English:

1. Coursework
   a. High school courses
      i. In a high school where the language of instruction is English, completion of the second level of high school coursework in a language other than English with a letter grade of "C-" or better in the second semester of the second year.
      ii. In an institution where the language of instruction is not English, formal schooling through the sixth-grade level or higher. Appropriate documentation must be presented to substantiate the language of instruction. If an official sealed transcript cannot be obtained from an international institution, an unofficial or opened transcript may be used.
   b. College courses
      ii. A Defense Language Institute Foreign Language Center (DLIFLC) language other than English course which is indicated as passed with a "C" or higher on the official transcript.

2. Examinations
   a. SAT II: Subject Tests in languages other than English with minimum scores as indicated below:
      Before May 1995 use 1st score; if taken after May 1995 use 2nd score:
      Chinese with listening: 500/520
      French/French with listening: 500/540
      German/German with listening: 500/510
      Hebrew (Modern): 500/470
      Italian: 500/520
      Japanese with listening: 500/510
      Korean/Korean with listening: --/500
      Latin: 500/530
      Spanish/Spanish with listening: 500/520
   b. Advanced Placement (AP) examinations in languages other than English with a score of 3 or higher.
   c. International Baccalaureate Higher Level (IBHL) examinations in languages other than English with a score of 5 or higher.
   d. (International) General Certificate of Secondary Education [(I)GCSE]/General Certificate of Education (GCE) "O" level exams in languages other than English with a grade of "A", "B", or "C."
   e. General Certificate of Education (GCE) "A" Level exams in languages other than English with a grade of "A", "B" or "C."

3. Other
   a. Satisfactory completion of an achievement test administered by a community college, university, or other college in a language other than English. The test will have to assess the student's proficiency at the level equivalent to two years of high school language. This conclusion must be posted on a transcript indicating unit, course title and grade or on a document with letterhead of the institution granting proficiency stating that the student has mastered proficiency in the language equivalent to two years of high school language.
IGETC for STEM is a separate IGETC track available for students planning to major in science, technology, engineering, or mathematics. It is a series of courses that California community college students may complete to satisfy the lower-division breadth/general education requirements before transferring to either the California State University or most colleges and majors at UC campuses.

For CSU: If any specific AS-T degree allows IGETC for STEM Majors as its general education pattern, the specific courses that should replace the deferred lower division general education courses may be indicated on the Transfer Model Curriculum (TMC) for that discipline.

For UC: UC will accept IGETC for STEM only if:
- Student is earning an associate degree for transfer (ADT) at a California community college that offers IGETC for STEM as an option for those degrees AND
- The UC major program or college you’re applying to accepts partial IGETC certification.

IGETC for STEM Majors is applicable only to majors in which the TMC explicitly indicates the availability of the option. As of May 2020, only Chemistry, Biology and Environmental Science allow for IGETC for STEM. A current list of associate degrees for transfer (ADTs) that allow for use of IGETC for STEM can be found at www.c-id.net.

Although IGETC for STEM is an option, students should prioritize completing major-preparation courses for the specific campuses and programs under considering. Consult ASSIST to determine whether IGETC is a good option and what courses at the community college fulfill IGETC requirements.

CSU Only: U.S. History, Constitution and American Ideals
(Not part of IGETC; may be completed prior to transfer.)

Upon completion of this coursework, a student will be able to:

- Analyze significant events from U.S. history, including cultural and regional influences.
- Evaluate political institutions and processes in the United States.
- Explain California's political processes and Constitution and its relationship to the federal government.

Six (6) units, one course from Group 1 (US-2&3) and one course from Group 2 (US-1):

- **Group 1**: Asian American Studies 23; Political Science 1
- **Group 2**: Asian American Studies 20; History 1, 9, 12A, 12B, 17A, 17B, 41A, 41B, 45; Labor and Community Studies 70A, 70B; Latin American & Latina/o/x Studies 1

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by individual California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.c-id.net to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the ASSIST database at www.assist.org for specific information on C-ID course designations. Counselors can help students interpret or explain this information.

Following are CCSF courses that have been approved for C-ID numbers at the time of this catalog's publication. Updated information is available at http://www.c-id.net/course_compare.html.
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