TRANSFER INFORMATION

General Information
This section of the College catalog contains general information for students planning to transfer to any of the University of California campuses, the University of California, Berkeley, and to any of the campuses of the California State University.

Listed in this section of the catalog (in the order given below) are five categories of information: (1) Courses which satisfy the general education requirements for all campuses of the California State University; (2) Courses from City College of San Francisco acceptable at all campuses of the University of California for elective credit; (3) Courses from City College that satisfy the Intersegmental General Education Transfer Curriculum (IGETC); (4) Courses which satisfy the American Institutions requirements for the University of California, and breadth requirements for only the College of Letters and Science of the University of California, Berkeley (note that breadth requirements are different for individual colleges within the University); and (5) Courses from City College which have California Articulation Number System (CAN) numbers.

Transfer Information
Courses numbered from 1 through 799 are university courses except for those listed as 'Credit, non-degree applicable' and a few others. With these exceptions, courses numbered 1 through 799 are considered to be baccalaureate in nature and carry transfer credit. However, according to their transfer policies, some universities and four-year colleges may not grant transfer credit for every City College baccalaureate course.

Courses named with one of the letters from A through Z are foundational courses. For example, English K. Credit earned in these courses is not accepted for graduation from City College and is generally not transferable to a university or a four-year college. Credit earned in courses numbered 800 through 899 is generally not transferable to a university or a four-year college.

Such credit, however, is accepted for graduation from City College.

Courses numbered 0001 through 9999 (the zeroes are significant) are noncredit courses. No college credit is given for these.

The California State University grants transfer credit for all courses numbered 1 through 799, except for some non-degree applicable English and English as a Second Language courses. Those courses which are transferable to the State University are labeled with 'CSU' following the description of the course content in its announcement.

A complete list of courses for which the University of California accepts credit is given in the Transfer section of this catalog. In addition, each course that is acceptable at all campuses of the University of California has 'UC' following the description of the course content in its announcement.

Those courses for which a California Articulation Number System number has been established have 'CAN:' following the description of the course content in their announcement. The subject area and the course CAN number follows the semicolon in the entry, for example, CAN: ENGR 4 is Engineering 4.

Students are advised to see their counselors or advisors for further information beyond what is given on the following pages regarding transferring to a four-year college or university.

Articulation agreements which list detailed information concerning specific majors and which describe course transferability and applicability between City College of San Francisco and baccalaureate degree-granting institutions are available at WebAssist, www.assist.org.

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 First Accepted

Summer Quarter:
February 1 (preceding the summer term)

Fall Semester/Quarter:
November 1 (preceding the term)

Winter Quarter:
June 1 (preceding the term)

Spring Semester/Quarter:
August 1 (preceding the term)

Application for impacted programs must be filed during the first month of the 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.

Application forms are available in the Counseling Department, Room 205, Conlan Hall, the Transfer Center, Science Hall, Room 132, from University Admissions Offices or online, www.csumentor.edu.

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

- Completing a minimum of 56 transferable semester units (CCSF courses numbered 1 through 799 except for some non-degree applicable English and English as a Second Language courses).
• Maintaining a grade point average of 2.00 or higher in all transferable units attempted. Nonresidents must have a 2.4 grade point average.

• Satisfying a minimum of 30 units of General Education including: A1 Oral Communication, A2 Written Communication, A3 Critical Thinking, B4 Quantitative Reasoning

Supplementary Admissions Requirements. Some majors receive more applications during the initial filing period than can be accommodated. These majors are called ‘Impacted Majors’ and have higher admission standards.

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 ESL 22, 32, 32A, 32B, 42, 44, 46, 48, and 50 and ENGL 90 and 92.
2. They do not accept credit earned in City College foundational courses. (These courses are named with only one letter—for example, English K. Other of these courses are numbered from 800 through 899—for example, Mathematics 840.)
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 CEEB AP examinations.
6. They grant six units of credit for one year or more of military service.

American Institutions and United States History Requirement
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. Asian American Studies 20; History 1, 12A, 12B, 17A, 17B, 41A, 41B
Group 2. Political Science 1

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

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 General Education requirements listed below apply to all students who entered City College in Fall 1981 or thereafter and who have maintained continuing student status.

All students transferring to CSU who have maintained continuing student status are responsible for the General Education requirements in effect at the time they began their continuing student status.

The 39 semester unit pattern is distributed among five broad areas as noted below. City College will certify completion of each area according to the unit limits shown.

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

AREA A: Communication in the English language and critical thinking
(9 certifiable units with at least one course from each of A1, A2, and A3)

A1 Oral Communication:
English as a Second Language 79; Speech 1A, 3, 4, 11, 12

A2 Written Communication:
Business 70; English 94, 96, 1A, 1B; English as a Second Language 82.

A3 Critical Thinking:
English 94, 1A, 1B, 40; Philosophy 2, 4, 40

AREA B: Physical and biological sciences (including laboratory experience), and quantitative reasoning
(9 certifiable units with at least one course from each of B1, B2, and B4. The laboratory course marked by *, will satisfy B3.)

B1 Physical Science:
Astronomy 1, 14, 16*, 17, 18
Chemistry 32*, 40*, 101A*, 103A*, 106, 110, 110L*.
Geography 1, 1L*
Geology 5*, 10, 10L*, 18, 21
Interdisciplinary Studies 10C
Oceanography 10*
Paleontology 1*
Physical Science 11
Physics 2A, 2AL*, 4A, 4AL*, 10, 10L*, 40, 41

B2 Biological Sciences:
Anatomy 14*, 25*
Anthropology 1
Biology 1A*, 9*, 11*, 20, 30, 40
Botany 10*
Genetics 10, 11, 15
Microbiology 12
Physiology 1*, 12*
Zoology 10*

**B3 Laboratory Experience:**
This requirement is fulfilled by selecting a laboratory course from B1 or B2.

**B4 Quantitative Reasoning:**
Economics 5
Engineering Technology 50
Mathematics 70, 75, 80, 90, 92, 95, 97, 100A, 110A.
Philosophy 12A
Psychology 5

**AREA C: Arts, literature, foreign language and philosophy**
(9 certifiable units with at least one course in the Arts and one course in the Humanities)

**C1 Arts:**
African American Studies 51
Architecture 21, 26A, 29A, 31A, 31B, 32, 34
Asia 11
Gay/Lesbian/Bisexual Studies 20, 25
Physical Education 3, 5A, 5B, 5C, 30
Photography 50A, 50B
Speech 38
Theatre Arts 1, 3A, 6, 8, 17, 18, 19, 50, 101, 104, 105, 200

**C2 Humanities:**
African American Studies 50
American Studies 11A, 11B
Asia 12
Asian American Studies 30, 35, 45
Classics 35
Film 20A, 20B
French 1, 1A, 1B, 2, 2A, 2B, 3, 3A, 3B, 4, 10A, 10B, 10C, 10D, 10E, 11A, 11B, 39A, 39B, 39C, 41
Gay/Lesbian/Bisexual Studies 11, 12
German 1, 1A, 1B, 2, 2A, 2B, 3, 3A, 3B, 4, 4A, 4B, 10A, 10B, 10C, 10D, 11A, 11B, 59A, 59B
History 4A, 4B
Humantities 7, 8, 11, 12, 20, 25, 35, 41A, 41B, 48
Interdisciplinary Studies 23, 27A, 27B, 38, 42, 44, 100A
Italian 1, 1A, 1B, 2, 2A, 2B, 3A, 3B, 4A, 4B, 10A, 10B, 10C, 10D, 15A, 15B
Japanese 1, 1A, 1B, 2, 2A, 2B, 3, 3A, 3B, 4, 4A, 4B, 10A, 10B, 10C, 10D, 39, 49

**D1 Anthropology and Archaeology**
Anthropology 2, 3, 3AC, 4, 5, 8, 11, 12, 15, 19, 20, 25

**D2 Economics**
Economics 1, 10, 25, 30
Labor Studies 74

**D3 Ethnic Studies**
African American Studies 30, 60
Anthropology 3AC, 11, 12, 15, 19, 20, 25
Asian American Studies 8, 20, 27, 40, 42
Economics 30
Interdisciplinary Studies 10D, 37, 40
Labor Studies 100
Latin American Studies 10
Philippine Studies 20
Political Science 7, 8, 12, 18, 35, 45, 47, 48
Psychology 22, 23

**D4 Gender Studies**
African American Studies 60
Anthropology 20, 25
Economics 25
Gay/Lesbian/Bisexual Studies 5, 10, 30, 50, 60
History 12A, 12B, 45
Interdisciplinary Studies 54
Labor Studies 78A, 78B, 78C
Sociology 25

**D5 Geography**
Geography 4, 7

**D6 History**
Asian American Studies 20
Economics 10
Interdisciplinary Studies 100A
Labor Studies 70, 88

**D7 Interdisciplinary Social or Behavioral Science**
Asian Studies 1
Asian American Studies 8, 27, 40, 42
Broadcast Electronic Media Arts 101, 103, 105
Gay/Lesbian/Bisexual Studies 30
Admission as a Transfer Student

Applicants who, since high school graduation, have registered in any collegiate institution and who have completed work in community colleges, summer school (other than a summer session immediately following high school graduation), or extension courses must apply for admission as a transfer student. An applicant may not disregard her or his previous college record and apply as a freshman. A transfer student who has earned fewer than 12 semester units of college credit subsequent to high school graduation must satisfy the examination requirement for freshman applicants. The examination requirement may be disregarded in determining eligibility for freshman standing if the applicant has earned more than 12 semester units of college credit subsequent to high school graduation. The requirements for admission as a transfer student vary according to the high school record. Current regulations applying to admission for transfer students who are California residents are as follows:

1. A student who was eligible for admission from high school, meaning that he/she satisfied the Subject, Scholarship and Examination Requirements, may be admitted after establishing an overall grade-point average of 2.00 or better.

2. A student who has met the Scholarship Requirement but has not completed the Subject Requirement in high school may establish eligibility by:
   a. completing with a final grade of C or better appropriate college courses in the required ‘a-f’ high school subjects and
   b. establishing an overall grade-point average of 2.00 or better in all transferable college coursework.

3. A student who has met the Scholarship Requirement but has not met the Examination Requirement may establish eligibility by completing a minimum of 12 semester units of transferable work and earn an overall grade-point average of 2.00 or better in all transferable college coursework.

4. A student who was ineligible for admission as a freshman because of the Scholarship Requirement must:
   - Complete 60 semester units (90 quarter units) of transferable college credit with a grade point average of at least 2.4, and
   - Complete a course pattern requirement to include:
     a. Two transferable college courses (3 semester units or 4-5 quarter units each) in English composition; and
     b. One transferable college course (3 semester units or 4-5 quarter units) in Mathematical Concepts and Quantitative Reasoning; and
     c. 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.
Courses from City College of San Francisco Acceptable at All Campuses of 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. Further information, when it is received from the University, will be made available to students online, www.assist.org.)

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.

City College courses which are accepted for credit by all campuses of the University of California (valid 1999-2000):

Administration of Justice 52, 57
African American Studies 10, 30, 40, 50, 51, 60, *70
*70 and HLTH SCI courses combined: maximum credit, one course
American Sign Language 1A, 1B
American Studies 11A, 11B
Anthropology 1, 2, *3, *3AC, 4, 5, 8, 11, 12, 15, 19, 20, 25, 41, 42, 43
*3 and 3AC combined, maximum credit, one course
Any of all of the above courses combined: maximum credit allowed. 17 units
*Maximum credit allowed, one course
Asian American Studies 8, 20, 27, 30, 35, 40, 42, 45, 65
Asian Studies 1, 11, 12
Astronomy *1, 16, *17, *18, 20
*Maximum credit allowed, 2 courses

BIOLICAL SCIENCES:
Anatomy *14, *25
*No credit for 14 if taken after 25 or Physiology 1 or 12
Anatomy 14 or 25 combined with Physiology 1 or 12:
Maximum credit allowed, 2 courses.
Anthropology 1
Biology 1A, 1B, *11, 16, 20, 30, 40
*No credit for 11 if taken after Biology 1A, 1B, Botany 10, or Zoology 10.

Botany 10
Genetics *10, 11, *15
*10 and 15 combined: Maximum credit allowed, one course
Microbiology 12
Nutrition 12
Physiology **1, **12
**Physiology 1 and 12 combined: Maximum credit, one course.
Zoology ++10
++No credit for 10 following Biology 1A, 1B, 11 or Physiology 1 or 12
Broadcast Electronic Media Arts *103, 104
*Combined with Journalism 19: Maximum credit, one course

BUSINESS:
Accounting 1, 2
Commercial Law *18, *19/Legal Assisting *53A, *53B
General Business 119
*Maximum credit allowed: one course
#40, 106, 110 combined: maximum credit allowed, one course. No credit for 40, 106, 110 if taken after 101A or 103A
*208A-208B and 212A-212B combined: maximum credit allowed, one course; no credit for 212A if taken after 208A
Both 1A and 1B must be taken for transfer credit to be granted
*1A-1B are equivalent to 1: maximum credit allowed, 5 units; 2A-2B are equivalent to 2: maximum credit allowed, 5 units; 3A-3B are equivalent to 3: maximum credit allowed, 5 units; 4A-4B are equivalent to 4: maximum credit allowed, 5 units; 3A-B, and 31A-B: maximum credit allowed, 5 units

Chinese Studies (see courses in respective departments)
Cinematography (see Film Production)
Classics 35
* CIS 110A and 110B combined: maximum credit allowed, 6 units
+ CIS 112 and Engineering 38: maximum credit allowed, 1 course

Consumer Arts and Sciences 19, 22, 28
Drama (see Theatre Arts)
Economics 1, 3, *5, +10, 25, 30
*5 combined with Mathematics 80 (formerly 32) and Psychology 5: maximum credit allowed, one course
+No credit for 10 if taken after History 17A or 17B, or 41A or 41B
Engineering 1A, 20, 20L, 24, 36, 37, *38, 45, 48
* ENGN 38 and CIS 112: maximum credit allowed, 1 course

Engineering Technology 181
*Any or all of these courses combined: maximum credit allowed, 8 units

Ethnic Studies (see African American, Asian American, Chinese, Latin American and Philippine Studies)

Film Production **20A, **20B, 21, 22, *24, *124A, *124B
*24, 124A, and 124B combined: maximum credit allowed, one course
**20A, 20B, and GLST 11 and 12 combined: maximum credit allowed, two courses

Foreign Literature Offered in English (see specific languages)

Both 1A and 1B must be taken for transfer credit to be granted
*1A and 1B are equivalent to 1: maximum credit allowed, 5 units
*2A and 2B are equivalent to 2: maximum credit allowed, 5 units
*3A and 3B are equivalent to 3: maximum credit allowed, 5 units
+3 and 4 must each be taken for a minimum of 3 units to be transferable

Gay/Lesbian/Bisexual Studies 5, *11, *12, 20, 25, 30, 50, 55, 60, 70, 75
*11 and 12, FILM 20A, 20B combined: maximum credit allowed, two courses

Genetics (See Biological Sciences)

Geography 1, II, 4, 7

Geology *5, *10, *10L, 11, 18, 41, 42, 43 *5 and 10-10L combined: maximum credit allowed, one course

Both 1A and 1B must be taken for transfer credit to be granted
*1A and 1B are equivalent to 1: maximum credit allowed, 5 units
*2A and 2B are equivalent to 2: maximum credit allowed, 5 units
*3A and 3B are equivalent to 3: maximum credit allowed, 5 units
*4A and 4B are equivalent to 4: maximum credit allowed, 5 units

*Any or all of these courses combined: maximum credit allowed, one course
+Limit 50 with ** Physical Education courses: maximum credit allowed, 4 units

*17A and 17B combined with 41A and 41B: maximum credit allowed, one series

Home Economics (see Consumer Arts and Sciences)

*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.

*10C combined with Oceanography 10: maximum credit allowed, one course

Italian 1, *1A, *1B, 2, +2A, +2B, #3A, #3B, **4A, **4B, 15A, 15B
Both 1A and 1B must be taken for transfer credit to be granted
*1A and 1B are equivalent to 1: maximum credit allowed, 5 units
+2A and 2B are equivalent to 2: maximum credit allowed, 5 units
#3A and 3B are equivalent to 3: maximum credit allowed, 5 units
**4A and 4B are equivalent to 4: maximum credit allowed, 5 units

Both 1A and 1B must be taken for transfer credit to be granted
*1A and 1B are equivalent to 1: maximum credit allowed, 5 units
*2A and 2B are equivalent to 2: maximum credit allowed, 5 units
*3A and 3B are equivalent to 3: maximum credit allowed, 5 units
*4A and 4B are equivalent to 4: maximum credit allowed, 5 units

Journalism *19
*19 combined with Broadcast Electronic Media Arts 103: maximum credit allowed, one course

Labor Studies 100

Latin American Studies 10

Lesbian Studies (See Gay, Lesbian and Bisexual Studies and other departments)

Library Information Skills 10

Mathematics *75, +80, +97, *100A, *100B, *110A, *110B, 110C, 115, #120, #125, 130, 199
*100A-B combined with 100A-B: maximum credit allowed, one series; no credit for 75 if taken after 100A or 110A
#120-125 are equivalent to 130: maximum credit allowed, 5 units
+80 combined with Economics 5 and Psychology 5: maximum credit allowed, one course
+ Maximum credit 4 units

Microbiology (See Biological Sciences)

* No credit for 4 if taken after 1A or 3A

Nutrition (See Biological Sciences)

Oceanography *10
*10 combined with IDST 10C: maximum credit allowed, one course

Paleontology 1

Philippine Studies 10, 20, 30 (See also Pilipino courses)

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

Photography 50A, 50B, 51

*Any or all of these courses combined with Health 50: maximum credit allowed, 4 units
++Maximum credit, two courses
+Any or all of these courses combined: maximum credit allowed, 8 units
Physical Science *11
*No credit if taken after a college course in Astronomy, Chemistry, Geology or Physics.

*2A-2B combined with 4ABCD: max. credit, one course. No
credit for 10 if taken after 2A or 4A
*40 and 41 combined: maximum credit allowed, one
course; no credit for 40 or 41 if taken after 2A or 4A

Physiology (See Biological Sciences)

Pilipino 1, 2, 3, 9A, 39B (See also Philippine Studies)

Political Science *1, 2, 3, 5, 6, 7, 8, 9, 10, 12, 18, 35, 41, 42A, 42B, 42C, 42D, 43, 45, *46, 47, 48
*1 and 46 combined: maximum credit allowed, one course

Psychology 1, 1B, 2, *5, 10, 23, 25, 40, 41, 42, 43
*5 combined with Economics 5 and Mathematics 80:
maximum credit allowed, one course

Both 1A and 1B or 2A and 2B must be taken for transfer
credit to be granted
*The A and B courses are equivalent to the number-only
course, e.g. 2A and 2B are equivalent to 2: maximum credit
allowed, 5 units of each level

Sociology 1, 1AC*, 2, 25, 30, 35, 41, 42, 43
*1 and 1AC combined: maximum credit, one course

Both 1A and 1B must be taken for transfer credit to be granted
*1A and 1B are equivalent to 1: maximum credit allowed, 5
units; 2A and 2B are equivalent to 2: maximum credit
allowed, 5 units; 3A and 3B are equivalent to 3: maximum
credit allowed, 5 units; 3, 3AB and 31AB combined:
maximum credit allowed, 5 units; 31AB is equivalent to 31:
maximum credit allowed, 5 units

Speech 1A, 3, 4

Theatre Arts 1, 3A, 3B, 3C, 17, 19, 50, 101, 102, 103, 104,
105, 107, 116, 200

Women's Studies 10

Zoology (see Biological Sciences)

The University accepts transfer credit as indicated above, but
does not accept more than 70 semester units of such credit
toward graduation. 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.

General Graduation Requirements

Students may satisfy the general University requirements in
American institutions and United States history and in Subject
A as follows:

American Institutions and United States History. At
some campuses appropriate courses taken in high school
satisfy this requirement. Students may also satisfy this require-
ment by completing the appropriate course or courses at City
College of San Francisco.

Subject A. Evidence of having fulfilled one of the following
constitutes satisfaction of this requirement (the examinations
indicated in 1-5 below must be completed prior to admission):

1. A score of 600 or higher in the English Composition Test or
SAT II Writing Subject Test;
2. A score of 3, 4, or 5 on the College Board Advanced Place-
ment Examination in English;
3. A score of 'Pass for Credit' on the California State Univer-
city English Equivalency Examination;
4. A score 3 or higher on the International Baccalaureate
Higher Level Examination in English (Language A only)
5. Achieve a score of 'pass' on the Subject A Examination.
6. Completion with a final grade of C or higher in English 1A

Breadth Requirements

Students have the option to fulfill the lower division breadth
and general education requirements by completing either the
Intersegmental General Education Transfer Curriculum
(IGETC) or the specific lower division breadth and general
education requirements of the school or college of the Univer-
sity of California to which the student intends to transfer.

If a student does not complete the Intersegmental General Edu-
cation Transfer Curriculum before transferring, the student will
be subject to the regulations regarding breadth requirements
of the school or college to which the student has been admitted.

In general, it is advisable for students preparing for
engineering majors (at any UC campus) to use the IGETC.
Students entering 'high unit' majors, such as those in the
sciences, can follow the IGETC but must be careful to
complete any needed lower division major preparation.

Intersegmental General Education Transfer Curriculum
(IGETC) for 1999-2000

NOTE: The new IGETC for 2000-01 is available in the
Counseling Office, the Transfer Center or WebAssist,
www.assist.org.

Completion of all the requirements in the Intersegmental
General Education Transfer Curriculum (IGETC) will permit a
student to transfer from a community college to a campus in
either the California State University or the University of Cali-
ifornia system (generally in those majors at the U.C. campus
which are included in those offered in the College of Letters
and Science) without the need, after transfer, to take additional
lower-division, general education courses to satisfy campus
general education requirements.

CHECK WITH YOUR COUNSELOR OR THE U.C.
CAMPUS WHICH YOU PLAN TO ATTEND TO DETER-
MINE IF YOU MAY USE IGETC OR IF YOU MUST
FOLLOW THE CAMPUS-SPECIFIC REQUIREMENTS FOR
YOUR PARTICULAR MAJOR.
The course requirements for all areas must be completed before IGEC can be certified. All courses must be completed with grades of 'C' or better. For IGEC certification procedures, see a counselor.

**AREA 1: English Communication**

CSU—Three courses required—one (1) course from each group
UC—Two courses required—one from Group a, and one from

**Group a - English Composition:** English 1A

**Group b - Critical thinking—English composition:**

English 40

**Group c - Oral communication (CSU ONLY):** Speech 1A, 3, 4

**AREA 2: Mathematical Concepts and Quantitative Reasoning**


**AREA 3: Arts and Humanities**

At least three courses, with at least one from the Arts and one from the Humanities.

**Arts:**

Art 101 thru 108, 116, 123M, 123N
Physical Education 30
Theater Arts *1, *8, 104, 105

**Humanities:**

African American Studies 30, 40, 50, 51, 60
American Studies 11A, 11B
Asia 12
Classics 35
English 1B, 20, 30, 32A, 32B, 36, 37, 40, 41, 43, 44A, 44B, 46A, 46B, 46C, 50, *55, 57, 58A
Film *20A, *20B
Gay/Lesbian/Bisexual Studies *11, *12, 20, 25
Geography 4
German *3A, *3B, 4, 39A, 39B
Interdisciplinary Studies 23, 27A, 27B, 36, 37, 38, 42, 44
Japanese *4A, *4B, 39
Philippine Studies 30
Philosophy 2, 4, 25A, 25C
Photography 50A, 50B
Pilipino 39A, 39B
Russian *3A, *3B, 39A, 39B
Theater Arts 19

Some important reminders:

- Both the 'A' and 'B' parts of the third level of Chinese (3A & 3B) and the fourth level of Italian (4A & 4B) must be completed.
- Courses used to satisfy the Language other than English proficiency requirement may not be double counted in the Humanities area.

**AREA 4: Social and Behavioral Sciences**

At least three (3) courses from at least two (2) disciplines or an interdisciplinary sequence.

Anthropology 2, 3, *3AC, 4, 5, 8, 11, 12, 15, 19, 20, 25
Asian Studies 1
Asian American Studies 8, 20, 27, 30, 35, 40, 42, 45
Broadcast Electronic Media Arts *103
Economics 1, 3, *10, 25, 30
Gay/Lesbian/Bisexual Studies 30, 50
Geography 4, 7
History 45
Interdisciplinary Studies 10D, 37, 40
Latin American Studies 10
Philippine Studies 20
Political Science *1, 2, 3, 5, 6, 7, 8, 9, 10, 12, 18, 35, 43, 45, *46, 47, 48
Psychology 1, 1B, 2, 10, 23, 25, 40

**AREA 5: Physical and Biological Sciences**

Two courses, one Physical Science course and one Biological Science course; at least one must include a laboratory (indicated by "L" in parentheses), 7-9 semester units.

**Physical Sciences:**

Astronomy *1, 16(L), *17, *18, 20
Chemistry *40L, *10A(L), *10B(L), *103A(L), *103B(L), *106(L), *110, *110(L), 205(L), *208A(L), *208B(L), *212A(L), *212B(L), 213(L)
Geography 1, 1L
Geology *5(L), *10, 10L, 11, 18
Oceanography *10(L)
Paleontology 1(L)
Physical Science *11

**Biological Sciences:**

Anatomy *14(L), *25(L)
Anthropology 1
Biology 1A(L), 1B(L), *11(L), 20, 40
Botany 10(L)
Genetics *10, 11(L)
Microbiology 12(L)
Physiology *1(L), *12(L)
Psychology 1B
Zoology *10(L)
AREA 6: Language other than English
(UC requirement ONLY)
Complete two (2) years of the same foreign language of high school level work with a grade of 'C' or better OR earn a score of 3 or higher on the Foreign Language Advanced Placement test, OR 550 on the Foreign Language Subject Examination (SAT II) OR complete one of the courses listed below:

American Sign Language 1A
Chinese 1, *1AB
French 1, *1AB
German 1, *1AB
Italian 1, *1AB
Japanese 1, *1AB
Pilipino 1
Russian 1 *1AB
Spanish 1, *1AB
NOTE: Courses above proficiency level may also be used to meet this requirement.

* INDICATES THAT IGETC TRANSFER CREDIT MAY BE LIMITED BY EITHER UC OR CSU OR BOTH. PLEASE CONSULT WITH A COUNSELOR FOR ADDITIONAL INFORMATION.

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

Six (6) units, one course from group 1 and one course from Group 2:
Group 1: Political Science 1;
Group 2: Asian American Studies 20, History 1, 17A, 17B, 12A, 12B, 41A, 41B

Courses used to meet this requirement may not be used to satisfy the requirements for IGETC.

University of California, Berkeley

Requirements of the University
American Institutions and United States History Requirement

Candidates for a bachelor's degree must satisfy the requirement in American Institutions or United States history by one of the following ways:

1. By completing in high school, two semesters of U.S. history with a final grade of C or higher, or one semester of U.S. government and one semester of U.S. history with final grades of C or higher; or
2. By completing, at City College of San Francisco, one course from the following: History 17A, 17B or Political Science 1
3. By passing certain examinations with scores as indicated:

a. Passing two essay examinations, one in U.S. history and one in U.S. government will satisfy both the American History and American Institutions requirements. These University examinations are based upon a reading list, are graded pass/not pass, and are offered on campus twice each semester. Students wishing to take the examinations may request reading lists, sample examination answers, and test dates from the American History and Institutions Office, Room 29, Dwinelle Hall;
or
b. Passing the SAT II in American history with a score of 500 or higher will satisfy the American History Requirement.
c. Passing the College Board Advanced Placement examination in American history with a score of 3, 4, or 5 will satisfy the American History Requirement.

The student may combine the above alternatives so that either requirement may be satisfied by examination, completion of a course, evidence of equivalency.

Berkeley Campus American Cultures Breadth Requirement

The Berkeley campus American Cultures breadth requirement must be completed by all students. Students may satisfy this requirement by completing, with a minimum grade of C- or P, a course expressly approved for this purpose by the appropriate committee of the Berkeley Division of the Academic Senate.

Courses offered in satisfaction of the American Cultures breadth requirement must be integrative and comparative and address theoretical and analytical issues relevant to understanding race, culture, and ethnicity in American history and society. Each course will take substantial account of groups drawn from at least three of the following: African Americans, American Indians, Asian Americans, Chicanos/Latinos, and European Americans. A course used in satisfaction of the American Cultures requirement is not precluded from satisfying other requirements.

Four courses at CCSF have been approved to satisfy this requirement:

- Anthropology 3AC
- Labor Studies 100
- Music 26
- Political Science 12

Requirements for the College of Letters and Science

Students who plan to be graduated from the College of Letters and Science, which offers majors in the fields of Biological Sciences, Humanities, Physical Sciences, Social Sciences, and Interdisciplinary Studies, must satisfy both major and breadth requirements. The other five schools and colleges of the University have different majors and breadth requirements. Students in the College of Letters and Science are advised to complete as many of the breadth requirements of the College as possible during their freshman and sophomore years.
Breadth Requirements (College of Letters and Science)

Lower-division requirements for selected majors in the College of Letters and Science and for other colleges of the University are described in the articulation agreements available at WebAssist, www.assist.org. New junior transfer students who have completed 60 or more transferable units at the time of admission must declare a major by the end of their first semester of enrollment by filing a Petition to Declare a Major. Indication of a major in the application for admission does not constitute a declaration of a major, but students are expected to declare a major in the field in which they have been admitted.

College of Letters and Science General Education (Breadth) Requirements

The College of Letters and Science requires transfer students to fulfill two sets of requirements: 1) essential skills and 2) seven-course breadth. Completion of IGETC waives both of the requirements. The essential skills requirement must be satisfied by the end of the spring term that precedes the first semester at U.C., Berkeley. The seven-course requirement must be completed before graduation from U.C., Berkeley.

1. Essential Skills

There are three essential skills requirements: a) reading and composition, b) quantitative reasoning, and c) foreign language. All courses used to satisfy these requirements must be taken for a letter grade.

a. Reading and Composition (R&C):

   English 1A and 1B
   (NOTE: Incoming transfer students can satisfy this requirement by scoring 5 on the Advanced Placement Examination in English Literature and Composition. The first half of this requirement can be satisfied by scoring 4 on the Advanced Placement Examination in English Literature and Composition or by scoring 4 or 5 on the Advanced Placement Examination in English Language and Composition.)

b. Quantitative Reasoning (QR):

   Computer and Information Science 111, 112, 118
   Mathematics 75, 80, 97, 100A, 100B, 110A, 110B, 110C, 115, 120, 125, 130
   (NOTE: Incoming transfer students can also fulfill this requirement by scoring:

   ◆ 600 on the SAT I or
   ◆ 550 on the SAT II Mathematics Subject Examination, Level I or II if taken before May 1995 or
   ◆ 570 on the Level I Examination or
   ◆ 520 on the Level II Examination or
   ◆ 28 on the American College Test (ACT) or
   ◆ 3, or better on the Advanced Placement Examination in Calculus AB or BC or
   ◆ 3 or better on the Advanced Placement Examination in Computer Science AB or
   ◆ C or better on the General Certificate ‘A’ Level Mathematics Examination)

c. Foreign Language (FL):

   Chinese 2 or 2A/B
   French 2 or 2A/B
   German 2 or 2A/B
   Italian 2 or 2A/B
   Japanese 2 or 2A/B
   Pilipino 2
   Russian 2 or 2A/B
   Spanish 2 or 2A/B
   (NOTE: Incoming transfer students can also fulfill this requirement by scoring:

   ◆ C- or better in the third year of a foreign language in high school or
   ◆ on the SAT II Foreign Language Subject Examination if taken before May 1995 or
   ◆ 590 on SAT II if taken May 1995 or later or
   ◆ 3 or better on the Foreign Language Advanced Placement Examination or
   ◆ C or better on the General Certificate ‘A’ or ‘O’ Level Foreign Language Examination)

2. Seven-course Breadth:

   (NOTE: Course work must be met with actual course work (credit by examination or by advanced placement is not accepted). The minimum acceptable grade in each course is C- or P (CR) if the latter is equal to C- or better. The minimum units the course may have is two. No more than two courses offered by the same department may be used. Courses may be from one’s major department. Any course used for Breadth credit may not be used to meet Essential Skills (R&C, QR, and FL) requirements.
   The seven courses must be distributed among the following areas of study:

   Arts and Literature
   Architecture 31A, 31B
   Art 101 thru 108, 146A
   Chinese 29A, 29B, 39
   Classics 35
   Film 20A, 20B
   French 39A-C, 41, 42
   Gay/Lesbian/Bisexual Studies 11, 12, 20, 25
   German 39A, 39B
   Humanities 11, 12, 25, 41A, 41B, 48
   Interdisciplinary Studies 23, 27A, 27B, 36, 38, 42, 44
   Japanese 39
   Physical Education 30
   Russian 39A, 39B, 41
   Spanish 39A, 39B, 41
   Theatre Arts 1, 17, 19, 101, 102, 103, 104, 105

   Biological Sciences
   Anatomy 14, 25
   Anthropology 1
   Biology 1A, 1B, 11, 20, 30, 40
   Botany 10
Genetics 10
Interdisciplinary Studies 10C
Microbiology 12
Nutrition 12
Oceanography 10
Paleontology 1
Physiology 1, 12
Zoology 10

Historical Studies
American Studies 11A, 11B
Anthropology 2, 5
Architecture 31A, 31B
Art 101-108
Asian American Studies 20
Chinese 39
Economics 10
French 41, 42
Interdisciplinary Studies 37
Japanese 39
Physical Education 30
Russian 41
Spanish 41

International Studies (excluding language instruction)
Anthropology 11, 20, 25
History 5, 18A, 18B, 32, 33, 36, 44, 48
Interdisciplinary Studies 27A, 27B
Political Science 2, 5, 8, 10, 18, 35, 45, 47, 48

Philosophy and Values
English 48K
Humanities 7, 8, 41A, 41B
Interdisciplinary Studies 27A, 27B, 42
Philosophy 2, 4, 12A, 12B, 25A, 25C, 40
Political Science 5

Physical Sciences
Astronomy 1, 17, 18, 20
Chemistry 101A, 101B, 103A, 103B, 107, 110, 205, 208A/B, 212A, 212B, 213
Geography 1
Geology 5, 10, 11
Oceanography 10
Physical Science 11
Physics 2A, 2B, 4A-D, 10

Social and Behavioral Sciences
Administration of Justice 52
American Studies 11A, 11B
Anthropology 2, 3, 3AC, 4, 5, 8, 11, 12, 15, 19, 20, 25
Asian American Studies 8, 20, 30, 35, 40, 42, 45
Broadcast Electronic Media Arts 103, 104
Chinese 39
Commercial Law 18, 19
Economics 1, 3, 5, 10
French 41, 42
Geography 4, 7

Geology 18
Interdisciplinary Studies 10C, 10D, 17, 37, 40
Japanese 39
Labor Studies 100
Philippine Studies 20, 30
Political Science 1, 2, 3, 5, 6, 7, 8, 9, 10, 18, 35, 43, 45, 46, 47, 48
Psychology 1, 2, 3, 10, 23, 25, 30
Russian 41
Sociology 1, 2, 25, 30, 35
Spanish 41

City College Courses in the California Articulation Number System (CAN)

The California Articulation Number (CAN) System is a course numbering system in use by postsecondary educational institutions in California. The numbering system provides a cross reference course identification number (the CAN System subject identifier plus a number) for semester courses which are transferable, lower division introductory courses commonly taught on California college and university campuses. Participating campuses agree to accept identically numbered CAN courses in lieu of their own courses from all other participating campuses for all purposes, recognizing that CAN courses are not necessarily identical in content, but are acceptable "in lieu of" each other. Below are the City College of San Francisco courses and their corresponding CAN System numbers as of June 1999. An updated CAN list can be found on the web at http://www.cansystem.org.

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NOTE: This list is subject to change. Please consult with a counselor or adviser for the latest information.