

Chapter 7. Course Articulation, Graduation Requirements, and Transferability

7.1 Overview

Once a credit, degree applicable course has been approved by the Curriculum Committee and the State Chancellor's Office, it may be eligible to satisfy CCSF Graduation Requirements, and/or be accepted at a variety of articulation levels with four-year schools. The determination of a course's applicability to any of these is mostly outside of the purview of the Curriculum Committee. The guidance here is intended to shed some basic light to the processes involved, and to provide information to course outline developers who are hoping that their course will be accepted for graduation requirements or for articulation. Outline preparers and department chairs who hope to have the course satisfy one or more of these areas are encouraged to involve the Articulation Officer early in the process of developing a course outline.

7.2 CCSF Graduation Requirements

There are several areas of general education requirements required for the CCSF Associate's Degree. The Bipartite Committee for Graduation Requirements meets annually to consider adding new courses to each of these areas. Courses considered for inclusion in one of the General Education areas must be introductory in nature, which generally means they have no prerequisites. A prerequisite may be acceptable if it is a course that is often taken at the high school or pre-collegiate level. This would include courses in foreign language, English, ESL and math.

Departments typically submit courses for consideration in November, and the Bipartite Committee typically meets in February. Table 26: CCSF General Education Areas has excerpts from the State Board of Governors' Resolution regarding General Education Requirements, and gives guidance on the attributes that are required for each of the CCSF general education areas.

Table 26: CCSF General Education Areas

CCSF GE Area	Required Attributes
A: Communication and Analytical Thinking	<p>Courses in language and rationality are those which develop for the student the principles and applications of language toward logical thought, clear and precise expression and critical evaluation of communication in whatever symbol system the student uses.</p> <p>Courses fulfilling the communication and analytical thinking requirement include oral communication, mathematics, logic, statistics, computer languages and programming, and related disciplines.</p>
B: Written Composition	<p>Courses fulfilling the written composition requirement should include both expository and argumentative writing</p>

CCSF GE Area	Required Attributes
C: Natural Sciences	Courses in the natural sciences are those which examine the physical universe, its life forms, and its natural phenomena. To satisfy the General Education requirement in natural sciences, a course should help the student develop an appreciation and understanding of the scientific method, and encourage an understanding of the relationships between science and other human activities. This category would include introductory or integrative courses in astronomy biology, chemistry, general physical science, geology, meteorology, oceanography, physics and other scientific disciplines.
D: Social and Behavioral Sciences	Courses in the social and behavioral sciences are those which focus on people as members of society. To satisfy the general education requirement in social and behavioral sciences, a course should help the student develop an awareness of the method of inquiry used by the social and behavioral sciences. It should stimulate critical thinking about the ways people act and have acted in response to their societies and should promote appreciation of how societies and social subgroups operate. This category would include introductory or integrative survey courses in anthropology, economics, history, political science, psychology, sociology, and related disciplines.
E: Humanities	Courses in the humanities are those which study the cultural activities and artistic expressions of human beings. To satisfy the general education requirement in the humanities, a course should help the student develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation and help the student develop aesthetic understanding and an ability to make value judgments. Such courses could include introductory or integrative courses in the arts, foreign languages, literature, philosophy, and religion.
F: US History and Government	Through its general education program, the College intends to graduate students who...have developed an appreciation and understanding of American history and government so that they can be responsible and active citizens.
G: Physical Skills and Health Knowledge	Through its general education program, the College intends to graduate students who...have developed an appreciation and understanding of the physical skills and health knowledge essential for mental and physical well-being.

CCSF GE Area	Required Attributes
H: Ethnic Studies, Women's Studies, and Gay, Lesbian, and Bisexual Studies	<p>Through its general education program, the College intends to graduate students who have demonstrated the ability to apply scholarship in the study of American Ethnic/Racial Minorities, Women, Gays and Lesbians, and have demonstrated ability in at least two of the following learning outcomes:</p> <ol style="list-style-type: none"> 1. Identify the ways in which the historical and cultural/aesthetic experiences of women, different ethnic/racial minority groups, gays and lesbians, are similar to and different from each other. 2. Identify their own value systems and/or styles of creative expression and those of other ethnic/racial groups, women, gays and lesbians. 3. Develop the understandings and behavioral competencies necessary for effective interpersonal and interethnic, female and gay and lesbian group interactions, i.e., <ol style="list-style-type: none"> a. Recognize the diversity of attitudes and values which are projected in verbal and nonverbal behavior; b. Recognize the dynamics of interpersonal interactions from others' perspectives; c. Identify ethnic/racial, gender, gay and lesbian stereotypes 4. Develop their socio-cultural participation skills, decision-making abilities, and political awareness in order to be effective citizens in an ethnically, racially, sexually, and culturally diverse nation. <p>All proposals of courses to satisfy this requirement must identify which of the general outcomes listed above that the course provides.</p>

For more information about the Bipartite Committee's process and general education requirements, contact the officers of the City College Academic Senate.

7.3 CSU Transferability

Almost all degree applicable courses at City College can be used for general or elective credit at CSU campuses. The CSU system has delegated the responsibility of identifying courses that are applicable for CSU elective credit to individual community colleges. As of Fall 2007, the only degree-applicable courses that do not qualify for CSU Elective Credit are:

- Child Development 108A
- English 96
- Engineering Technology 108A
- Math 835, 840, 850, 855, 860
- Work Experience 805, 806, 807

7.4 University of California (UC) Transferability

Only courses that have been reviewed and approved by the UC Office of the President may be used for general or elective credit at UC campus. The basic principles used by UC in determining the transferability of community college courses are:

- Courses should be comparable to those offered at the lower division level at any of the UC campuses; and
- Courses not equivalent to any offered at UC must be appropriate for a university degree in terms of purpose, scope, and depth.

Courses that are approved by the Curriculum Committee are automatically reviewed by the CSU/UC Breadth Committee at City College, which recommends courses to submit to the UC Office of the President for UC transferability. The CSU/UC Breadth Committee typically meets once a semester.

Departments are encouraged to discuss the option of UC transferability with the Articulation Officer.

7.5 CSU General Education Requirements

The CSU General Education pattern allows students to complete their lower division general education requirements at the community college prior to transferring to a CSU campus. Courses that are approved by the Curriculum Committee are automatically reviewed by the CSU/UC Breadth Committee at City College, which recommends courses to submit to the CSU Chancellor's Office for acceptance in one of the CSU GE areas. Table 27: CSU General Education Areas lists the various GE areas and their related sub-areas.

Table 27: CSU General Education Areas

CSU GE Area	Sub-Areas
A: Communication in the English Language and Critical Thinking	A1: Oral Communication A2: Written Communication A3: Critical Thinking
B: Physical Universe and its Life Forms	B1: Physical Science B2: Life Science B3: Laboratory Activity (taken with a course from B1 or B2) B4: Mathematics/Quantitative Reasoning
C: Arts, Literature, Foreign Language, and Philosophy	C1: Arts C2: Humanities

CSU GE Area	Sub-Areas
D: Social, Political, and Economic Institutions and Behavior, Historical Background	D0: Sociology and Criminology D1: Anthropology and Archeology D2: Economics D3: Ethnic Studies D4: Gender Studies D5: Geography D6: History D7: Interdisciplinary Social or Behavioral Science D8: Political Science, Government, and Legal Institutions D9: Psychology
E: Lifelong understanding and self-development.	

CSU has a statewide graduation requirement of United States History, Constitution and American Ideals (commonly known as American Institutions). Courses approved for this requirement may also be used to satisfy CSU GE requirements. The CSU/UC Breadth Committee at City College also reviews these courses for submission to the CSU Chancellor's Office.

Departments are encouraged to discuss CSU GE and American Institutions acceptance with the Articulation Officer, and have the opportunity to provide input on which GE areas best match their courses.

7.6 IGETC

IGETC (Intersegmental General Education Transfer Curriculum) is the GE pattern students can follow to complete the lower division general education requirements for either the CSU or UC systems. Courses that are approved by the Curriculum Committee are automatically reviewed by the CSU/UC Breadth Committee at City College, which recommends courses to submit to the CSU and UC system offices for IGETC approval. Only UC transferable courses can be approved for IGETC. Table 28: IGETC Areas summarizes IGETC areas and any sub-areas.

Table 28: IGETC Areas

IGETC Area	Sub-Areas
1: English Communication	1A: English Composition 1B: Critical thinking – English Composition 1C: Oral communication (CSU only)
2: Mathematical Concepts and Quantitative Reasoning	
3: Arts and Humanities	3A: Arts 3B: Humanities

IGETC Area	Sub-Areas
4: Social and Behavioral Sciences	4A: Anthropology 4B: Economics 4C: Ethnic studies 4D: Gender Studies 4E: Geography 4F: History 4G: Interdisciplinary 4H: Political Science 4I: Psychology 4J: Sociology
5: Physical and Biological Sciences	
6: Language other than English (UC only)	

Again, departments are encouraged to discuss IGETC acceptance with the Articulation Officer.

7.7 Course-to-Course Articulation

The highest level of articulation is course-to-course articulation, where a course (or set of courses) at City College is considered the equivalent of a course at another institution, and generally counts towards lower division requirements of the major or discipline at that institution. The Articulation Officer, usually working with the department chair or advisors, will submit courses to the articulation officers of other institutions for course-to-course articulation consideration. The acceptance of a particular course is typically the determination of the respective department at the other institution. Departments at City College are encouraged to establish relationships with their counterparts at other campuses to help facilitate the review and acceptance of course-to-course articulation agreements.

7.8 Articulation Resources

There are many articulation resources and programs that departments should be aware of. Contact the Articulation Officer if you would like more information about the following:

- ASSIST – The official web-based clearinghouse for articulation between California community colleges, UCs and CSUs. Contains detailed information about how City College courses meet major requirements at individual CSU and UC campuses, and identifies those courses that have been approved for UC transferability, CSU GE, CSU United States History, Constitution and American Ideals, and IGETC.
www.assist.org
- CCSF Articulation Webpage – Contains links to public and private college articulation agreements with CCSF, university and college catalogs, general education handouts, and other resources.
www.ccsf.edu/artic
- CAN (California Articulation Number) – The course numbering system used by post-secondary institutions in California, primarily CSU and community colleges. Courses that were approved with a

CAN designation (e.g., CAN PSY 2) were automatically articulated with another institution's course that shared the same CAN number. The CAN project was defunded in 2005, and is slowly being phased out and "replaced" by LDTP and C-ID.

www.cansystem.org

- LDTP (Lower Division Transfer Pattern) – A CSU-sponsored project, still under development, that maps out lower division requirements for their more popular transfer majors. These "road maps" include statewide general education, major preparation courses accepted by CSU campuses statewide, and major preparation courses required at individual CSU campuses.

www.calstate.edu/acadaff/ldtp/

- C-ID (Course Identification Number System) – A newly funded project, sponsored by California Community Colleges (CCC) Chancellor's Office, to develop a voluntary, "supra-numbering" system that links courses at CCCs, CSUs, UC, and possibly California private colleges.