

GENERAL EDUCATION REQUIREMENTS

Intersegmental General Education Transfer Curriculum (IGETC) for STEM 2022-2023

The IGETC for STEM is a variation of the IGETC pattern that community college students can use to satisfy lower-division general education requirements at any CSU or select UC campus. This pattern is used for designated Associate Degrees for Transfer.

Completion of this pattern satisfies the 31 units of lower-division general education requirements for transfer to any CSU with an Associate Degree for Transfer that allows IGETC for STEM, or to a UC school/college/major program that accepts partial IGETC certification.

Complete 6 units each in Area 3 and 4 before transfer; the remaining 3 units in those two areas, as well as Area 6 for UC-bound students, must be completed after transfer. Courses listed in more than one area may be used to satisfy only one area. All courses must be completed with grades of 'C' or better (a grade of 'C-' is not acceptable). Consult with a counselor regarding your education plan.

Area 1 - English Communication

Code	Title	Units
------	-------	-------

- CSU requirement (9 units): Three courses, one each from 1A, 1B, and 1C.

- UC requirement (6 units): Two courses, one each from 1A and 1B.

1A English Composition ¹

ENGL 1A	College Composition	
	or ENGL 1AE College Composition: Enhanced	

1B Critical Thinking - English Composition ²

ENGL 2	Argumentative Writing and Critical Thinking	
	or PHIL 10 Introduction to Critical Thinking	

1C Oral Communication (CSU Requirement Only) ²

SPCH 1	Public Speaking	
	or SPCH 2 Small Group Communication	

1

No IB score accepted for this area.

2

No AP or IB scores accepted for this area.

Area 2 - Mathematical Concepts and Quantitative Reasoning

Code	Title	Units
------	-------	-------

Select one course from the following. (3 units)

MATH 10	Mathematics for General Education	4
MATH 13	Pre-Calculus	5
MATH 16	Elementary Statistics	4
MATH 17	Finite Math	4
MATH 18	Calculus and Analytic Geometry for Biology/Social Science/Bu	4
MATH 20A	Calculus with Analytic Geometry I	4

MATH 20B	Calculus with Analytic Geometry II	4
MATH 20C	Calculus of Several Variables	4
MATH 31	Linear Algebra	4
MATH 32	Differential Equations	4
MATH 40	Discrete Mathematics	3
PSYC 19	Introduction to Statistics for the Social Sciences	4
SOCI 19	Introduction to Statistics for the Social Sciences	4

Area 3 - Arts and Humanities

Code	Title	Units
------	-------	-------

Select at least two courses, with at least one from 3A and one from 3B. (6 units)

3A Arts

ARTB 10	Survey of the Arts	3
ARTH 1	Art Appreciation	3
ARTH 3	Western Art I	3
ARTH 4	Western Art II	3
ARTH 8	Survey of Asian Art	3
ARTH 12	Greek and Roman Art and Architecture	3
ARTH 14	Renaissance Art and Architecture	3
ARTP 14	History of Photography	3
DANC 5	Dance Appreciation	3
ETNC 4	Mexican-American Art in American Culture	3
ETNC 5	African-American Arts and Music in American Culture	3
GWOS 4	Gender, Sexuality, and Popular Culture	3
HUMA 4	Images of Women in the Arts	3
MUSI 1	Music Appreciation	3
MUSI 2	Introduction to Broadway Musicals	3
MUSI 3	Introduction to Jazz and Pop	3
MUSI 10A	Music Theory and Musicianship I	4
MUSI 10B	Music Theory and Musicianship II	4
THEA 1	Introduction to Theatre	3
THEA 4	Intercultural Drama	3
THEA 5	Film Appreciation	3
THEA 6	Script Analysis	3
THEA 9	History of Film: 1880s through 1950s	3
THEA 10	History of Film: 1950s to Present	3
THEA 53	Theatre Enjoyment	3

3B Humanities

ENGL 1B	Introduction to Literature	3
ENGL 5	Introduction to Great Books	3
ENGL 11	Literature by and About Women	3
ENGL 17	Introduction to Shakespeare	3
ENGL 18	The Bible As Literature	3
ENGL 22	Introduction to Poetry	3
ENGL 40A	Survey of American Literature I	3
ENGL 40B	Survey of American Literature II	3
ENGL 43	Comics As Literature	3
ENGL 44	Survey of World Literature I	3
ENGL 45	Survey of World Literature II	3
ENGL 46	Survey of British Literature I	3
ENGL 47	Survey of British Literature II	3

ENGL 48	Latin American Literature	3
ENGL 49	The Great Novel	3
ETNC 4	Mexican-American Art in American Culture	3
ETNC 5	African-American Arts and Music in American Culture	3
ETNC 6	Culture in American Film	3
ETNC 23	Chicano History 1848 to Present	3
ETNC 24	African Americans in United States History to 1865 ¹	3
ETNC 25	African Americans in United States History Since 1865 ¹	3
FREN 2A	Intermediate French	5
FREN 2B	Advanced French	5
GENT 21	Medieval and Renaissance Europe (400-1520)	3
GENT 22	The Age of Revolution (1690-1870)	3
GENT 23	The Modern World (1870-Present)	3
GWOS 4	Gender, Sexuality, and Popular Culture	3
GWOS 5	Women of Color in the U.S.	3
GWOS 11	Literature by and About Women	3
GWOS 12	Women in United States History ¹	3
GWOS 15	Introduction to LGBTQ Global Literatures	3
GWOS 40	Introduction to Feminist Theory	3
HIST 4	Western Civilization I	3
HIST 5	Western Civilization II	3
HIST 6	History of World Religions	3
HIST 7	World History to 1500	3
HIST 8	World History Since 1500	3
HIST 10	Modern Latin America	3
HIST 12	Women in United States History ¹	3
HIST 15	History of California	3
HIST 17	United States History to 1877 ¹	3
HIST 18	United States History from 1865 ¹	3
HIST 20	History of Mexico	3
HIST 23	Chicano History 1848 to Present	3
HIST 24	African Americans in United States History to 1865 ¹	3
HIST 25	African Americans in United States History Since 1865 ¹	3
HUMA 4	Images of Women in the Arts	3
HUMA 10	Exploration of Values in Living	3
HUMA 30	Humanities in Multicultural America	3
HUMA 40	Introduction to Feminist Theory	3
JPNS 2A	Intermediate Japanese	5
LING 10	Foundations of Language	3
LING 15	Introduction to Linguistics	3
LING 25	Introduction to Language and Gender	3
LING 30	Introduction to the History of the English Language	3
PHIL 2	Introduction to Philosophy	3
PHIL 4	Moral Issues	3
PHIL 8	Introduction to World Religions	3
PHIL 13	Introduction to Eastern Philosophy	3
PHIL 40	Introduction to Feminist Theory	3
SIGN 2A	Intermediate American Sign Language	5
SIGN 20	Introduction to Deaf Culture	3
SPAN 3	Intermediate Spanish I	5
SPAN 3S	Intermediate Spanish for Spanish Speakers I	5
SPAN 4	Intermediate Spanish II	5
SPAN 4S	Intermediate Spanish for Spanish Speakers II	5
SPAN 5	Literature of the Spanish-Speaking World	3
SPAN 18	Spanish Through Film	3
SPAN 22	Spanish Composition and Conversation	3
SPAN 50A	Intermediate Spanish Conversation I	3
SPAN 50B	Intermediate Spanish Conversation II	3
THEA 4	Intercultural Drama	3
THEA 9	History of Film: 1880s through 1950s	3
THEA 10	History of Film: 1950s to Present	3
WRLD 20	The Classical World (1200 BCE - 14 CE)	3

¹ Course also partly satisfies the CSU Graduation Requirement in U.S. History, Constitution, and American Ideals.

Area 4 - Social and Behavioral Sciences

Code	Title	Units
Select at least two courses from at least two disciplines. (6 units)		
ADMJ 2	Introduction to Administration of Justice	3
ANTH 2	Introduction to Biological Anthropology	3
ANTH 4	Introduction to Cultural Anthropology	3
ANTH 6	Introduction to Archaeology and Prehistory	3
ANTH 8	Primate Behavioral Ecology	3
ANTH 20	Native Peoples of North America	3
ANTH 30	Gender in Global Perspective	3
ECED 1	Child Growth and Development	3
ECED 55	Child, Family, and Community	3
ECON 1	The American Economic System	3
ECON 2	Principles of Economics: Macro	3
ECON 4	Principles of Economics: Micro	3
ETNC 6	Culture in American Film	3
ETNC 10	Introduction to Ethnic Studies and Social Justice	3
ETNC 13	Introduction to Race and Ethnicity	3
ETNC 14	Sociology of Latinos and Latinas	3
ETNC 16	African-Americans in American Government ¹	3
ETNC 18	Latinos in American Government ¹	3
ETNC 20	Native Peoples of North America	3
ETNC 22	Asian Americans and Pacific Islanders in American Society	3
ETNC 23	Chicano History 1848 to Present	3
ETNC 24	African Americans in United States History to 1865 ¹	3
ETNC 25	African Americans in United States History Since 1865 ¹	3
ETNC 30	Gender in Global Perspective	3
GEOG 2	Introduction to Physical Geography	3
GEOG 4	Introduction to Human Geography	3
GEOG 5	World Regional Geography	3
GLST 1	Introduction to Global Studies	3

GLST 2	Global Issues	3
GWOS 1	Introduction to Gender and Women's Studies	3
GWOS 3	Gender and Violence	3
GWOS 4	Gender, Sexuality, and Popular Culture	3
GWOS 5	Women of Color in the U.S.	3
GWOS 10	Gender in American Politics ¹	3
GWOS 12	Women in United States History ¹	3
GWOS 30	Gender in Global Perspective	3
GWOS 40	Introduction to Feminist Theory	3
HIST 4	Western Civilization I	3
HIST 5	Western Civilization II	3
HIST 7	World History to 1500	3
HIST 8	World History Since 1500	3
HIST 10	Modern Latin America	3
HIST 12	Women in United States History ¹	3
HIST 15	History of California	3
HIST 17	United States History to 1877 ¹	3
HIST 18	United States History from 1865 ¹	3
HIST 20	History of Mexico	3
HIST 23	Chicano History 1848 to Present	3
HIST 24	African Americans in United States History to 1865 ¹	3
HIST 25	African Americans in United States History Since 1865 ¹	3
HUMA 40	Introduction to Feminist Theory	3
LING 15	Introduction to Linguistics	3
LING 25	Introduction to Language and Gender	3
LING 30	Introduction to the History of the English Language	3
LING 45	Introduction to Language and Society	3
LING 46	Introduction to the Psychology of Language	3
PHIL 40	Introduction to Feminist Theory	3
POLS 1	Introduction to American Government and Politics ¹	3
POLS 2	Introduction to Comparative Government and Politics	3
POLS 3	Introduction to Political Theory and Thought	3
POLS 4	Introduction to International Relations	3
POLS 5	Politics of Developing Countries	3
POLS 10	Gender in American Politics	3
PSYC 1	General Psychology	3
PSYC 3	Introduction to Social Psychology	3
PSYC 6	Psychology of Women	3
PSYC 25	Lifespan Development	3
PSYC 35	Introduction to Abnormal Psychology	3
PSYC 38	Biological Psychology	3
PSYC 40	Human Sexuality	3
SIGN 20	Introduction to Deaf Culture	3
SOCI 1	Introduction to Sociology	3
SOCI 2	Contemporary Social Problems	3
SOCI 3	Introduction to Social Psychology	3
SOCI 11	Mass Media and Popular Culture	3
SOCI 12	Introduction to Gender and Sexuality	3

SOCI 13	Introduction to Race and Ethnicity	3
SOCI 14	Sociology of Latinos and Latinas	3
SOCI 16	Global and Urban Studies	3
SOCI 17	Introduction to Crime and Deviance	3
SOCI 22	Asian Americans and Pacific Islanders in American Society	3
SOCI 40	Sociology of Marriages and Families	3
SPCH 4	Intercultural Communication	3
SPCH 10	Introduction to Communication Theory	3
WRLD 20	The Classical World (1200 BCE - 14 CE)	3

1

Course also partly satisfies the CSU Graduation Requirement in U.S. History, Constitution, and American Ideals.

Area 5 - Physical and Biological Sciences

Code	Title	Units
------	-------	-------

Select at least two courses, one from 5A and one from 5B; at least one must include a 5C laboratory course. (7 units)

5A Physical Science

ASTR 10	Introduction to Astronomy ¹	3
BIOL 31	Introduction to Environmental Science	3
CHEM 1A	General Chemistry I ¹	5
CHEM 1B	General Chemistry II ¹	5
CHEM 2	Fundamental Chemistry ¹	4
CHEM 10	Everyday Chemistry ¹	4
CHEM 12A	Organic Chemistry I ¹	5
CHEM 12B	Organic Chemistry II ¹	5
CHEM 30A	Introductory Chemistry for Health Sciences ¹	4
CHEM 30B	Organic and Biological Chemistry for Health Sciences ¹	4
GEOL 2	Physical Geology ¹	3
GEOL 3	Historical Geology ¹	3
GEOL 9	Earth Catastrophes and Disasters	3
GEOL 12	Earth Ocean Climate: Introduction to Earth Science ¹	3
OCEN 2	Introductory Oceanography ¹	3
PHYS 2A	General Physics I ¹	4
PHYS 2B	General Physics II ¹	4
PHYS 3A	Science and Engineering Physics I ¹	4
PHYS 3B	Science and Engineering Physics II ¹	4
PHYS 3C	Science and Engineering Physics III ¹	4
PHYS 10	Introduction to Physics ¹	4
PHYS 12	Integrated Physics and Chemistry ¹	4

5B Biological Science

ANAT 5	Human Biology ¹	4
ANTH 2	Introduction to Biological Anthropology	3
BIOL 10	Principles of Biology ¹	4
BIOL 13	Marine Biology ¹	4
BIOL 21	Concepts in Biology I: Cells, Genetics and Organisms ¹	5
BIOL 22	Concepts in Biology II: Diversity, Ecology, and Evolution ¹	5
BIOL 25	Applied Microbiology Lecture	3

BIOL 30	Introduction to Genetics	3
BIOL 31	Introduction to Environmental Science	3
PHSO 1	Human Physiology	3
PSYC 38	Biological Psychology	3
5C Science Laboratory		
ANAT 2	Human Anatomy Lab	2
ANAT 5	Human Biology	4
ANTH 2L	Biological Anthropology Laboratory	1
ASTR 10L	Introduction to Astronomy Laboratory	1
BIOL 10	Principles of Biology	4
BIOL 13	Marine Biology	4
BIOL 21	Concepts in Biology I: Cells, Genetics and Organisms	5
BIOL 22	Concepts in Biology II: Diversity, Ecology, and Evolution	5
BIOL 26	Applied Microbiology Laboratory	1
BIOL 32	Environmental Science Laboratory	1
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
CHEM 2	Fundamental Chemistry	4
CHEM 10	Everyday Chemistry	4
CHEM 12A	Organic Chemistry I	5
CHEM 12B	Organic Chemistry II	5
CHEM 30A	Introductory Chemistry for Health Sciences	4
CHEM 30B	Organic and Biological Chemistry for Health Sciences	4
GEOL 2L	Physical Geology Laboratory	1
GEOL 3L	Historical Geology Lab	1
GEOL 12L	Earth Ocean Climate: Introduction to Earth Science Lab	1
OCEN 2L	Introductory Oceanography Lab	1
PHSO 2	Human Physiology Lab	2
PHYS 2A	General Physics I	4
PHYS 2B	General Physics II	4
PHYS 3A	Science and Engineering Physics I	4
PHYS 3B	Science and Engineering Physics II	4
PHYS 3C	Science and Engineering Physics III	4
PHYS 10	Introduction to Physics	4
PHYS 12	Integrated Physics and Chemistry	4

1

Course has a laboratory component in 5C.

Area 6 - Language Other Than English (UC requirement only)

Code	Title	Units
Not required for IGETC for STEM certification		
Proficiency equivalent to two years of high school study in the same language.		
FREN 1A	Elementary French I	5
FREN 1B	Elementary French II	5
FREN 2A	Intermediate French	5
FREN 2B	Advanced French	5
JPNS 1A	Elementary Japanese I	5

JPNS 1B	Elementary Japanese II	5
JPNS 2A	Intermediate Japanese	5
SIGN 1A	Elementary American Sign Language I	5
SIGN 1B	Elementary American Sign Language II	5
SIGN 2A	Intermediate American Sign Language	5
SIGN 2B	Advanced American Sign Language II	5
SPAN 1	Elementary Spanish I	5
SPAN 1S	Elementary Spanish for Spanish Speakers I	5
SPAN 2	Elementary Spanish II	5
SPAN 2S	Elementary Spanish for Spanish Speakers II	5
SPAN 3	Intermediate Spanish I	5
SPAN 3S	Intermediate Spanish for Spanish Speakers I	5
SPAN 4	Intermediate Spanish II	5
SPAN 4S	Intermediate Spanish for Spanish Speakers II	5
SPAN 22	Spanish Composition and Conversation	3
SPAN 50A	Intermediate Spanish Conversation I	3
SPAN 50B	Intermediate Spanish Conversation II	3

CSU Graduation Requirement: U.S. History, Constitution, and American Ideals

(Not part of IGETC for STEM; may be completed prior to transfer)

Complete all areas: US-1, US-2, US-3. The courses below may also be used to satisfy Area 3B or 4.

Code	Title	Units
US-1: Historical Development of American Institutions & Ideals		
ETNC 24	African Americans in United States History to 1865 ¹	3
ETNC 25	African Americans in United States History Since 1865 ¹	3
GWOS 12	Women in United States History	3
HIST 12	Women in United States History	3
HIST 17	United States History to 1877	3
HIST 18	United States History from 1865	3
HIST 24	African Americans in United States History to 1865 ¹	3
HIST 25	African Americans in United States History Since 1865 ¹	3
US-2: U.S. Constitution & Government		
ETNC 16	African-Americans in American Government ¹	3
ETNC 18	Latinos in American Government ¹	3
ETNC 24	African Americans in United States History to 1865 ¹	3
ETNC 25	African Americans in United States History Since 1865 ¹	3
GWOS 10	Gender in American Politics ¹	3
HIST 24	African Americans in United States History to 1865 ¹	3
HIST 25	African Americans in United States History Since 1865 ¹	3
POLS 1	Introduction to American Government and Politics ¹	3
POLS 10	Gender in American Politics ¹	3
US-3: California State & Local Government		

ETNC 16	African-Americans in American Government ¹	3
ETNC 18	Latinos in American Government ¹	3
GWOS 10	Gender in American Politics ¹	3
POLS 1	Introduction to American Government and Politics ¹	3
POLS 10	Gender in American Politics ¹	3

¹

Course may be used to satisfy more than one US area.

Note: Courses used to meet IGETC for STEM requirements may be used to satisfy this CSU graduation requirement at the discretion of the receiving CSU campus.