

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM 2019-2020

1. English Communication

(CSU: 3 courses, 9 semester/12–15 quarter units, one course each from areas 1A, 1B, and 1C;

UC: 2 courses, 6 semester/8–10 quarter units, one course each from areas 1A and 1B)

Code	Title	Units
1A. English Composition (3 semester/4-5 quarter units)		
ENGL 0001A	College Reading, Writing, and Research	
1B. Critical Thinking-English Composition (3 semester/4-5 quarter units)		
ENGL 0001B	Critical Thinking and Writing about Literature	
ENGL 0001C	Critical Thinking and Writing across the Curriculum	
PHIL 0004	Introduction to Critical Thinking	
1C. Oral Communication (3 semester/4-5 quarter units) (UC transfer students do not have to fulfill this area; CSU transfers must)		
COMM 0001	Fundamentals of Public Speaking ¹	
COMM 0002	Argumentation and Rhetorical Criticism	
COMM 0003	Small Group Communication	
COMM 0005	Communication Foundations ¹	

¹ Indicates that course credit is limited. Review the Transferable Courses to UC System (<http://catalog.sierracollege.edu/archive/2019-2020/student-resources/course-information/transferable-courses-uc-system>) page in the catalog or consult the counseling office for additional information.

2. Mathematical Concepts and Quantitative Reasoning

(1 course, 3 semester/4–5 quarter units)

Code	Title	Units
MATH 0012	College Algebra ¹	
MATH 0013	Elementary Statistics ¹	
MATH 0015	Discrete Mathematics	
MATH 0016A	Calculus for Social and Life Sciences ¹	
MATH 0016B	Calculus for Social and Life Sciences ¹	
MATH 0018	The Nature of Mathematics ¹	
MATH 0029	Pre-Calculus Mathematics ¹	
MATH 0030	Analytical Geometry and Calculus I ¹	
MATH 0031	Analytical Geometry and Calculus II ¹	
MATH 0032	Analytical Geometry and Calculus III	
MATH 0033	Differential Equations and Linear Algebra	
MATH 0042	Business Calculus ¹	

PSYC 0142 Introduction to Psychological Statistics ¹

SOC 0015 Introduction to Statistics in Sociology ¹

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3. Arts and Humanities

(3 courses, 9 semester/12–15 quarter units. At least one course in the Arts and one course in the Humanities.)

Code	Title	Units
3A. Arts		
ARHI 0101	Art Appreciation	
ARHI 0110	Survey of Western Art I: Prehistory through the Middle Ages	
ARHI 0120	Survey of Western Art II: Renaissance Traditions	
ARHI 0130	Survey of Western Art III: Modern through Contemporary	
ARHI 0132	History of Women in Art	
ARHI 0134	History and Aesthetics of Photography ²	
ARHI 0140	History of the Arts of Africa, the Americas, and Oceania	
ARHI 0150	History of Asian Art	
ARHI 0155	History of Islamic Art	
COMM 0006	Performance of Diverse Literatures	
ENGL 0042	The Documentary Film	
MUS 0002	Music Appreciation	
MUS 0006A	Music Theory I	
MUS 0009A	Music Theory III	
MUS 0010	Music Fundamentals ¹	
MUS 0011	Introduction and History of Jazz	
MUS 0012A	Survey of Music History and Literature to 1750	
MUS 0012B	Survey of Music History and Literature from 1750 to Present	
MUS 0013	Introduction to Music: History of Rock and Roll	
PHOT 0010	History and Aesthetics of Photography ²	
SSCI 0050	Ethnic Images in Film	
THEA 0013	Introduction to Theatre	
THEA 0016A	Costume History	
3B. Humanities		
AAD 0012	Visual Communication ²	
COMM 0012	Visual Communication ²	
DFST 0003	American Sign Language III	
DFST 0004	American Sign Language IV	
DFST 0010	Introduction to Deaf Studies	
ENGL 0016	Introduction to LGBTIQ Literature	

ENGL 0024	Introduction to Literary Criticism and Critical Concepts
ENGL 0027	Literature by Women
ENGL 0029	Introduction to Drama as Literature
ENGL 0030A	American Literature - Beginnings through Civil War
ENGL 0030B	American Literature - Civil War to the Present
ENGL 0032	Introduction to Poetry
ENGL 0033	Introduction to Shakespeare (The Drama)
ENGL 0034	Introduction to the Novel
ENGL 0035	Introduction to the Short Story
ENGL 0037	American Film Masterpieces ¹
ENGL 0038	International Film Masterpieces ¹
ENGL 0040	The Filmed Novel
ENGL 0045	Young Adult Literature
ENGL 0046A	English Literature
ENGL 0046B	English Literature
ENGL 0047A	World Literature
ENGL 0047B	World Literature
ENGL 0048	Literature of Science Fiction
FREN 0002	Elementary French - Level II
FREN 0003	Intermediate French - Level I
FREN 0004	Intermediate French - Level II
HIST 0004A	Western Civilization to 1715
HIST 0004B	Western Civilization since 1715
HIST 0017A	History of the United States to 1877
HIST 0017B	History of the United States since 1865
HIST 0018A	The African American Experience in American History to 1877
HIST 0018B	The African American Experience in American History since 1877
HIST 0019A	History of Traditional East Asia
HIST 0019B	History of Modern East Asia
HIST 0020	California History
HIST 0021	Contemporary United States History
HIST 0022	American Military History
HIST 0023	Chicano/Mexican American History
HIST 0024	Russian History - 10th Century to Present
HIST 0025	Native American History
HIST 0027	Women in American History
HIST 0050	World History to 1500
HIST 0051	World History since 1500
HUM 0001	Introduction to Humanities I
HUM 0002	Introduction to Humanities II
HUM 0003	Introduction to Asian Humanities
HUM 0005	Classical Roots of the Contemporary Western World
HUM 0009	Introduction to Women, Gender and Religion ²
HUM 0010	World Religions
HUM 0015	Introduction to Mythology

HUM 0017	Introduction to Atheism
HUM 0020	Introduction to the Hebrew Bible
HUM 0021	Introduction to the New Testament
JPN 0002	Elementary Japanese - Level II
LGBT 0002	Queer (LGBTIQ) Film History
PHIL 0002	Introduction to Philosophy: Ethics
PHIL 0006	Introduction to Philosophy: Knowledge and Reality
PHIL 0010	Philosophy of Religion
PHIL 0013	Introduction to Asian Philosophy
PHIL 0020	History of Ancient Greek Philosophy
PHIL 0021	History of Modern Philosophy
PHIL 0027	Introduction to Philosophy of Women in Western Cultures
PHIL 0030	Introduction to Social and Political Philosophy
PHIL 0060	Introduction to Environmental Ethics
PHIL 0065	Introduction to the Philosophy of Science
SPAN 0003	Intermediate Spanish - Level I
SPAN 0004	Intermediate Spanish - Level II
WMST 0003	Introduction to Women, Gender and Religion ²

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² Indicates that course is cross-listed in two departments and can be credited only once.

4. Social and Behavioral Sciences

(3 courses, 9 semester/12–15 quarter units. Courses from at least two academic discipline areas)

Code	Title	Units
ADMJ 0050	Introduction to Administration of Justice	
AGRI 0198	Food, Society and the Environment	
AGRI 0215	Introduction to Agricultural Business and Economics	
ANTH 0002	Cultural Anthropology	
ANTH 0004	Native Peoples of North America	
ANTH 0005	Introduction to Archaeology	
ANTH 0006	Introduction to Linguistic Anthropology	
ANTH 0007	Native Peoples of California	
ANTH 0009	Magic, Witchcraft, Ritual, Myth and Religion	
ANTH 0014	Global Problems	
ANTH 0027	Anthropology of Sex, Gender and Sexuality	
ARHI 0132	History of Women in Art	
BUS 0049	Law and Society	
COMM 0007	Intercultural Communication	

COMM 0008	Interpersonal Communication
COMM 0010	Communication Theory, Methods, and Practice
COMM 0070	Mass Communication: Media and Society
ECON 0001A	Principles of Macroeconomics
ECON 0001B	Principles of Microeconomics
ESS 0001	The Environment and the Human Impact
GEOG 0002	Cultural Geography
GEOG 0003	Geography of California
GEOG 0005	World Regional Geography
HDEV 0001	Human Development Through the Lifespan ¹
HDEV 0004	Child, Family, and Community
HDEV 0009	Child Growth and Development ¹
HDEV 0021	Psychology of Intimate Relationships and Family ²
HDEV 0022	The Family ²
HIST 0004A	Western Civilization to 1715
HIST 0004B	Western Civilization since 1715
HIST 0017A	History of the United States to 1877
HIST 0017B	History of the United States since 1865
HIST 0018A	The African American Experience in American History to 1877
HIST 0018B	The African American Experience in American History since 1877
HIST 0019A	History of Traditional East Asia
HIST 0019B	History of Modern East Asia
HIST 0020	California History
HIST 0021	Contemporary United States History
HIST 0022	American Military History
HIST 0023	Chicano/Mexican American History
HIST 0024	Russian History - 10th Century to Present
HIST 0025	Native American History
HIST 0027	Women in American History
HIST 0050	World History to 1500
HIST 0051	World History since 1500
HUM 0009	Introduction to Women, Gender and Religion ²
LGBT 0001	Introduction to LGBT Studies/Queer Theory ²
POLS 0001	American Government
POLS 0002	Comparative Government
POLS 0003	International Relations
POLS 0004	Russian and East European Political Systems
POLS 0005	California Politics and Government
POLS 0007	Politics of the Developing World
POLS 0008	American Foreign Policy
POLS 0009	Politics of the Middle East
POLS 0012	Terrorism
POLS 0016	Introduction to Political Theory

POLS 0017	Introduction to Political Science Research Methods
POLS 0027	Women and Politics in a Global Society
PSYC 0100	General Principles of Psychology
PSYC 0103	Social Psychology
PSYC 0104	Developmental Psychology
PSYC 0105	Research Methods in Psychology
PSYC 0106	Psychology of Adjustment
PSYC 0107	Abnormal Psychology
PSYC 0108	Psychology of Death and Dying
PSYC 0110	Psychology of Intimate Relationships and Family ²
PSYC 0127	Psychology of Women
PSYC 0130	Human Sexuality
PSYC 0160	Psychology and Film
PSYC 0170	Environmental Psychology
PSYC 0180	Cultural Psychology
SOC 0001	Introduction to Sociology
SOC 0002	Social Problems
SOC 0003	Race, Ethnicity and Inequality
SOC 0004	The Family ²
SOC 0005	Sociology of Women's Health
SOC 0009	Introduction to Crime, Deviance, and Social Control
SOC 0010	Feminism and Social Action ²
SOC 0011	Introduction to Hip Hop and Social Justice
SOC 0027	Sociology of Gender
SOC 0110	Introduction to Social Justice
SSCI 0010	Introduction to Ethnic Studies
SSCI 0013	Dialogues in American Culture
SSCI 0020	African American Culture and Experience
SSCI 0035	Immigrants and Refugees in America: The European Experience
SSCI 0041	Introduction to Native American Studies
SSCI 0045	Native American Cultures and the Impact of Federal Policy
SSCI 0050	Ethnic Images in Film
WMST 0001	Introduction to Women's Studies
WMST 0002	Introduction to LGBT Studies/Queer Theory ²
WMST 0003	Introduction to Women, Gender and Religion ²
WMST 0004	Feminism and Social Action ²

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5. Physical and Biological Sciences

(At least 2 courses, 7-9 semester/9-12 quarter units. A minimum of one Physical Science course and one Biological Science course; one must include a corresponding laboratory; laboratory courses and lecture/laboratory combinations are indicated by an asterisk)

Code	Title	Units
5A. Physical Science		
ASTR 0002	Introduction to Planetary Systems	
ASTR 0002 & ASTR 0011	Introduction to Planetary Systems and Observational Astronomy *	
ASTR 0002 & ASTR 0014	Introduction to Planetary Systems and Astrophotography and Imaging *	
ASTR 0005	Introduction to Stars, Galaxies, and the Universe	
ASTR 0005 & ASTR 0011	Introduction to Stars, Galaxies, and the Universe and Observational Astronomy *	
ASTR 0005 & ASTR 0014	Introduction to Stars, Galaxies, and the Universe and Astrophotography and Imaging *	
ASTR 0007	Life in the Universe	
ASTR 0010	Elementary Astronomy	
ASTR 0010 & ASTR 0011	Elementary Astronomy and Observational Astronomy *	
ASTR 0010 & ASTR 0014	Elementary Astronomy and Astrophotography and Imaging *	
ASTR 0025	Frontiers in Astronomy	
CHEM 0001A	General Chemistry I ^{*,1}	
CHEM 0001B	General Chemistry II ^{*,1}	
CHEM 0002A	Introduction to Chemistry I ^{*,1}	
CHEM 0002B	Introduction to Chemistry II ^{*,1}	
CHEM 0003A & CHEM 0003B	General Chemistry I - Part 1 and General Chemistry I - Part 2 ^{*,1}	
CHEM 0140	Survey of Chemistry and Physics ^{*,2}	
ESCI 0001	Physical Geology	
ESCI 0001 & 0001L	Physical Geology and Physical Geology Laboratory *	
ESCI 0002	California Geology	
ESCI 0003	Historical Geology	
ESCI 0003 & 0003L	Historical Geology and Historical Geology Laboratory *	
ESCI 0007	Energy, Environment, and Climate ²	
ESCI 0010	Introduction to Earth Science	
ESCI 0010 & 0010L	Introduction to Earth Science and Introduction to Earth Science Laboratory *	
ESCI 0015	Introduction to Oceanography	
ESCI 0015 & 0015L	Introduction to Oceanography and Introduction to Oceanography Laboratory *	
ESCI 0050	Geology of National Parks and Monuments	
ESS 0007	Energy, Environment, and Climate ²	
GEOG 0001	Physical Geography	

GEOG 0001 & 0001L	Physical Geography and Physical Geography Laboratory *
GEOG 0004	Weather and Climate
PHYS 0010	Basic Concepts in Physics ¹
PHYS 0010 & 0010L	Basic Concepts in Physics and Basic Concepts in Physics Laboratory ^{*,1}
PHYS 0105	General Physics I ¹
PHYS 0105 & 0105L	General Physics I and General Physics I Laboratory ^{*,1}
PHYS 0110	General Physics II ¹
PHYS 0110 & 0110L	General Physics II and General Physics II Laboratory ^{*,1}
PHYS 0140	Survey of Chemistry and Physics ^{*,2}
PHYS 0205	Principles of Physics: Mechanics ¹
PHYS 0205 & 0205L	Principles of Physics: Mechanics and Principles of Physics Laboratory: Mechanics ^{*,1}
PHYS 0210	Principles of Physics: Electricity and Magnetism ¹
PHYS 0210 & 0210L	Principles of Physics: Electricity and Magnetism and Principles of Physics Laboratory: Electricity and Magnetism ^{*,1}
PHYS 0215	Principles of Physics: Heat, Waves and Modern Physics ¹
PHYS 0215 & 0215L	Principles of Physics: Heat, Waves and Modern Physics and Principles of Physics Laboratory: Heat, Waves and Modern Physics ^{*,1}

5B. Biological Science

AGRI 0156	Introduction to Plant Science ^{*,2}
AGRI 0200	Introduction to Animal Science *
ANTH 0001	Biological Anthropology
ANTH 0001 & 0001L	Biological Anthropology and Biological Anthropology Laboratory *
ANTH 0010	Introduction to Forensic Anthropology
BIOL 0001	General Biology *
BIOL 0002	Botany ^{*,1}
BIOL 0003	General Zoology ^{*,1}
BIOL 0004	Microbiology ^{*,1}
BIOL 0005	Human Anatomy ^{*,1}
BIOL 0006	Human Physiology ^{*,1}
BIOL 0010	Introduction to Biology ¹
BIOL 0011	Concepts of Biology ^{*,1}
BIOL 0014	Natural History, Ecology and Conservation ^{*,2}
BIOL 0015	Marine Biology *
BIOL 0021	Introduction to Plant Science ^{*,2}
BIOL 0030	Introduction to Ornithology
BIOL 0033	Introduction to Zoology ^{*,1}
BIOL 0035	Introduction to Entomology
BIOL 0055	General Human Anatomy and Physiology ^{*,1}

BIOL 0056	Biology: A Human Perspective ¹
BIOL 0056 & 0056L	Biology: A Human Perspective and Biology: A Human Perspective Laboratory ^{*,1}
ESS 0014	Natural History, Ecology and Conservation ^{*,2}
PSYC 0140	Introduction to Biopsychology
PSYC 0140 & 0140L	Introduction to Biopsychology and Biopsychology Laboratory [*]

5C. Laboratory Activity

One of the courses selected from area 5A or 5B must include a related laboratory. Laboratory courses and related lecture/laboratory combinations are indicated by an asterisk.

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6. Language Other Than English

(University of California requirement; not required of California State University transfers. UC transfers may fulfill this requirement by completing 6A, 6B, 6C, or 6D below)

Code	Title	Units
6A. Completion of one of the following courses:		
DFST 0001	American Sign Language I	
DFST 0002	American Sign Language II	
DFST 0003	American Sign Language III	
DFST 0004	American Sign Language IV	
FREN 0001	Elementary French - Level I	
FREN 0002	Elementary French - Level II	
FREN 0003	Intermediate French - Level I	
FREN 0004	Intermediate French - Level II	
GER 0001	Elementary German - Level I	
GER 0002	Elementary German - Level II	
ITAL 0001	Elementary Italian - Level I	
ITAL 0002	Elementary Italian - Level II	
JPN 0001	Elementary Japanese - Level I	
JPN 0002	Elementary Japanese - Level II	
SPAN 0001	Elementary Spanish - Level I	
SPAN 0002	Elementary Spanish - Level II	
SPAN 0003	Intermediate Spanish - Level I	
SPAN 0004	Intermediate Spanish - Level II	

6B. Completion of two years of the same foreign language in high school with grades of "C" or better.

6C. Equivalent proficiency demonstrated by a specified minimum score on College Board SAT II tests in languages other than English; or a score of 3, 4, or 5 on any languages other than English College Board Advanced Placement (AP) Examinations; or a score of 5 or higher on any languages other than English International Baccalaureate (IB) Higher Level Examinations.

6D. Completion of two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English with grades of "C" or better.

Notes

- Students should consult with counselors to determine the most appropriate general education patterns for their intended majors and transfer institutions.
- Courses listed in multiple areas will not be certified in more than one area except for courses in Language Other Than English.
- Courses taken as preparation for a major will also satisfy the corresponding portion of the IGETC requirements.
- Each course used to fulfill IGETC requirements must be completed with a minimum grade of "C" or better.
- Advanced placement (AP) exams can be used to satisfy all areas of IGETC except for the Critical Thinking-English Composition and Oral Communication requirements. IGETC policy is to accept a score of 3 or higher to clear one course.
- International Baccalaureate (IB) exams can be used to satisfy all areas of IGETC except for the Area 1 requirements. IGETC policy is to accept a score of 5 or higher to clear one course.
- International coursework from non-United States regionally accredited institutions cannot be applied to IGETC requirements.

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

(Not part of IGETC; this CSU graduation requirement may be met before or after transfer to a CSU campus.)

Select 2 courses¹ (4-6 semester units) from one of the following course combinations:

Code	Title	Units
A.	HIST 0017A and HIST 0017B	
B.	HIST 0017A and HIST 0020	
C.	HIST 0017A and POLS 0001	
D.	HIST 0017A and POLS 0005	
E.	HIST 0017A and POLS 0018	
F.	HIST 0017B and HIST 0027	
G.	HIST 0017B and POLS 0001	
H.	HIST 0018A and POLS 0001	
I.	HIST 0018B and POLS 0001	
J.	HIST 0020 and HIST 0027	
K.	HIST 0023 and POLS 0001	
L.	HIST 0025 and POLS 0001	
M.	HIST 0027 and POLS 0001	

N. HIST 0027 and POLS 0005

O. HIST 0027 and POLS 0018

¹ Course(s) may be applied to approved IGETC area(s) and this CSU graduation requirement.

IGETC for Science, Technology, Engineering, or Mathematics (STEM)

IGETC for STEM is only an option for students earning AS-T degrees in Biology for Transfer (<http://catalog.sierracollege.edu/archive/2019-2020/departments/biological-sciences/#degreescertificatestext>) and/or Chemistry for Transfer (<http://catalog.sierracollege.edu/archive/2019-2020/departments/chemistry/#degreescertificatestext>). IGETC for STEM certification requires the following courses *before* transfer:

- All courses in Areas 1 (except 1C for UC-bound students), 2, and 5 of the traditional IGETC;
- Two courses in Area 3 - one course in Area 3A and one course in Area 3B; and
- Two courses in Area 4 from two different academic disciplines.

The following courses must be completed *after* transfer:

- One remaining lower-division general education course in Area 3;¹
- One remaining lower-division general education course in Area 4;¹ and
- One course in Area 6 for UC-bound students who have not satisfied the requirement through proficiency.¹

¹ The deferred lower-division courses must be replaced with calculus and/or science courses that are required to be taken before transfer to the university.