

Plan B

CSU General Education-Breadth Courses 2022–2023

AREA A—English Language Communication & Critical Thinking

Three courses and a minimum of 9 semester units are required. Select **one** course from each group below.

A1.* Oral Communication

Required courses:

COMM 101	Public Speaking	3
COMM 106	Group Communication	3
COMM 207	Interpersonal Communication	3

A2.* Written Communication

Required courses:

ENGL 100	Composition and Reading	4
ENGL 100H	Composition and Reading (Honors)	4

A3.* Critical Thinking

Required courses:

COMM 212	Argumentation	3
ENGL 201	Critical Thinking, Composition, and Literature	4
ENGL 201H	Critical Thinking, Composition, and Literature (Honors)	4
ENGL 202	Critical Thinking and Composition	4
ENGL 202H	Critical Thinking and Composition (Honors)	4
PHIL 100	Critical Thinking	3
PHIL 110	Introduction to Logic	3
PHIL 110H	Introduction to Logic (Honors)	3
PSYC 105	Critical Thinking in Psychology	3
READ 100	Critical Reading and Thinking	3

AREA B—Scientific Inquiry & Quantitative Reasoning

Three courses and a minimum of 9 semester units are required. Select **one** course from each group below. One course **must** include a corresponding laboratory from group B1 or B2. (Lab courses are noted with the # symbol.)

B1. Physical Science

Required courses:

ASTR 101	Descriptive Astronomy	3
ASTR 101L	Descriptive Astronomy Laboratory #	1
ASTR 120	Life in the Universe	3
ASTR 201	Introductory Astronomy	3
CHEM 103	Chemistry and Society: For Non-Science Majors	3
CHEM 103L	Chemistry and Society: For Non-Science Majors (Lab) #	1
CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors #	5

CHEM 115	Introductory General Chemistry: For Allied Health Majors #	4
CHEM 115H	Introductory General Chemistry: For Allied Health Majors (Honors) #	4
CHEM 116	Introductory Organic and Biological Chemistry: For Allied Health Majors #	4
CHEM 140	Preparation for General Chemistry: For Science Majors #	4
CHEM 150	General Chemistry I: For Science Majors #	5
CHEM 150H	General Chemistry I: For Science Majors (Honors) #	5
CHEM 151	General Chemistry II: For Science Majors #	5
CHEM 151H	General Chemistry II: For Science Majors (Honors) #	5
EART 106	Earth and Space Science	3
EART 106H	Earth and Space Science (Honors)	3
GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Laboratory #	1
GEOL 101	Physical Geology	3
GEOL 101H	Physical Geology (Honors)	3
GEOL 101L	Physical Geology Laboratory #	1
NUTR 120	Principles of Food Science with Lab #	3
OCEA 101	Introduction to Oceanography	3
OCEA 101H	Introduction to Oceanography (Honors)	3
OCEA 101L	Introductory Oceanography Laboratory #	1
PHSN 106	Introduction to Physical Science: Physics and Chemistry	3
PHSN 108	Introduction to Climate Change	3
PHSN 108H	Introduction to Climate Change (Honors)	3
PHYS 111	Introductory Physics I #	4
PHYS 111H	Introductory Physics I (Honors) #	4
PHYS 112	Introductory Physics II #	4
PHYS 112H	Introductory Physics II (Honors) #	4
PHYS 151	Principles of Physics I #	4
PHYS 151H	Principles of Physics I (Honors) #	4
PHYS 152	Principles of Physics II #	4
PHYS 152H	Principles of Physics II (Honors) #	4
PHYS 253	Principles of Physics III #	4
PHYS 253H	Principles of Physics III (Honors) #	4

B2. Life Science

Required courses:

ANTH 101	Biological Anthropology	3
ANTH 101H	Biological Anthropology (Honors)	3
ANTH 101L	Biological Anthropology Laboratory #	1
ANTH 101LH	Biological Anthropology Lab (Honors) #	1
ANTH 105	Evolution of Human Behavior	3
ANTH 105H	Evolution of Human Behavior (Honors)	3

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ANTH 190	Primate Behavior and Ecology	3
ANTH 190H	Primate Behavior and Ecology (Honors)	3
BIO 102	Introductory Biology: Ecology and Environmental Biology #	4
BIO 103	Introductory Biology: Animal Diversity	3
BIO 104	Introductory Biology: Botany (Plant Life) #	4
BIO 105	Introductory Biology: Biotechnology in Society	3
BIO 106	Introductory Biology: Infectious Diseases—A Global Concern	3
BIO 107	Introductory Biology: Marine Biology #	4
BIO 108	Introductory Biology: Ecology of the Oceans	3
BIO 109	Introductory Biology: The Fundamentals of Life on Earth #	4
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab) #	4
BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	3
BIO 111L	Introductory Biology: Preparation for Pre-Health Professions (Lab) #	1
BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology #	4
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology #	4
BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors) #	4
BIO 220	Human Physiology #	4
BIO 230	Introduction to Microbiology (F'14) #	5
BTEC 108	Biomanufacturing: From Gene to Product #	3
BTEC 108H	Biomanufacturing: From Gene to Product (Honors) #	3
HORT 115	Soil Science (F'16) #	3
HORT 116	Plant Science #	4
NUTR 100	Nutrition Today (F'16)	3
NUTR 100H	Nutrition Today (Honors)	3
PSYC 260	Physiological Psychology	3

B3. Laboratory Activity: This requirement may be met by the completion of any lab course that corresponds to a lecture course found above in B1 or B2 (noted by the # symbol).

B4.* Mathematics/Quantitative Reasoning: A minimum of 3 semester units is required.

Required courses:		
BTEC 180	Biostatistics	4
BTEC 180H	Biostatistics (Honors)	4
BUS 147	Personal Finance (F'18)	3
BUS 204	Business Statistics	3

BUS 204H	Business Statistics (Honors)	3
CSIT 123	Introduction to Data Analytics	3
MATH 102	Math Fundamentals II: Mathematics for Life	4
MATH 103	Statistics	4
MATH 103S	Statistics with Integrated Support (F'22)	5
MATH 105	Concepts and Structures of Elementary Mathematics I	3
MATH 106	Concepts and Structures of Elementary Mathematics II	3
MATH 112	Mathematical Analysis	3
MATH 115	Calculus with Applications	5
MATH 126	Pre-Calculus I: College Algebra	4
MATH 126S	Pre-Calculus I: College Algebra with Integrated Support	5
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
MATH 131H	Pre-Calculus II: Trigonometry and Analytic Geometry (Honors)	4
MATH 150	Calculus and Analytic Geometry I	5
MATH 150H	Calculus and Analytic Geometry I (Honors)	5
MATH 155	Calculus and Analytic Geometry II	4
MATH 155H	Calculus and Analytic Geometry II (Honors)	4
MATH 260	Calculus and Analytic Geometry III	4
MATH 260H	Calculus and Analytic Geometry III (Honors)	4
PSYC 104	Statistics for Behavioral Science	4
PSYC 104H	Statistics for Behavioral Science (Honors)	4
SOC 125	Introduction to Statistics in Sociology	4

AREA C—Arts & Humanities

Select **one** course from C1 and **one** course from C2. Select a **third** course from either C1 or C2. A minimum of 9 semester units is required.

C1. Arts

ART 100	Drawing and Composition	3
ART 101	Design and Color	3
ART 103	3D Design	3
ART 104	Artists & Designers Now	3
ART 157	Art Orientation	3
ART 158	Traditional Arts of Africa, Oceania, and the Americas	3
ART 159	Pre-Columbian Art	3
ART 159H	Pre-Columbian Art (Honors)	3
ART 201	Objects and Ideas in Contemporary Art	3
ART 234	Kinetic Art	3
ART 244	Digital Media for the Visual Artist (F'14)	3
ART 254	Understanding and Appreciating the Photographic Image	3

ART 258	Ancient to Gothic Art	3	FILM 212	Women and Film: Representation and Impact	3
ART 259	History of Renaissance to Modern Art	3	FILM 212H	Women and Film: Representation and Impact (Honors)	3
ART 260	History of Modern Art	3	FREN 101	Elementary French (First Semester)	4
ART 260H	History of Modern Art (Honors)	3	FREN 102	Elementary French (Second Semester)	4
ART 290	Landmarks of Art	3	FREN 121	Introduction to French Culture	3
COMM 111	Narrative Performance	3	FREN 201	Intermediate French (Third Semester)	4
DESN 107	History of Western Architecture-A Sustainable Perspective	3	FREN 202	Intermediate French (Fourth Semester)	4
DESN 108	World Architecture	3	GRMN 101	Elementary German (First Semester)	4
DNCE 100	Dance Appreciation	3	GRMN 102	Elementary German (Second Semester)	4
DNCE 100H	Dance Appreciation (Honors)	3	GRMN 121	Introduction to German Culture	3
DNCE 101	Dance History	3	GRMN 201	Intermediate German (Third Semester)	4
DNCE 101H	Dance History (Honors)	3	HIST 100	World History to 1500 (F'11)	3
DNCE 105	Dance Cultures of the World	3	HIST 100H	World History to 1500 (Honors)	3
DNCE 105H	Dance Cultures of the World (Honors)	3	HIST 101	World History Since 1500 (F'11)	3
DRAM 105	Introduction to Theatre	3	HIST 101H	World History Since 1500 (Honors) (F'11)	3
DRAM 130	Acting I	3	HIST 103	Early European History and Culture	3
DRAM 134	Introduction to Performance	3	HIST 103H	Early European History and Culture (Honors)	3
DRAM 222	Introduction to Black Theater	3	HIST 104	Modern European History and Culture	3
FILM 101	Introduction to Film (F'10)	3	HIST 104H	Modern European History and Culture (Honors)	3
FILM 101H	Introduction to Film (Honors)	3	HIST 115	Women in American History	3
FILM 106	Study of Filmed Plays	3	HIST 115H	Women in American History (Honors)	3
FILM 111	Film History I: 1880-1945	3	HUMN 101	Introduction to the Arts	3
FILM 111H	Film History I: 1880-1945 (Honors) (F'19)	3	HUMN 101H	Introduction to the Arts (Honors)	3
FILM 112	Film History II: 1945-Present	3	HUMN 201	Cultural Eras in the Humanities: Prehistory to 1600	3
FILM 112H	Film History II: 1945-Present (Honors) (F'19)	3	HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3
MAT 105	History of Graphic Design	3	HUMN 205	Women in Western Art and Literature	3
MUS 112	American Popular Music	3	ITAL 101	Elementary Italian (First Semester)	4
MUS 113	The Music of America	3	ITAL 102	Elementary Italian (Second Semester)	4
MUS 114	History of Rock and Roll	3	ITAL 103	Elementary Italian for Spanish Speakers (First Semester)	4
MUS 115	History of Classical Music	3	ITAL 121	Introduction to Italian Culture	3
MUS 116	A Survey of World Music	3	ITAL 201	Intermediate Italian (Third Semester)	4
MUS 119	Jazz History	3	ITAL 202	Intermediate Italian (Fourth Semester)	4
MUS 119H	Jazz History (Honors)	3	JAPN 101	Elementary Japanese (First Semester)	4
C2. Humanities					
ART 159	Pre-Columbian Art	3	JAPN 102	Elementary Japanese (Second Semester)	4
ART 159H	Pre-Columbian Art (Honors)	3	JAPN 121	Introduction to Japanese Culture	3
CCS 232	Critical Issues in Chicana and Latina Studies	3			
COMM 215	Intercultural Communication	3			
DESN 108	World Architecture	3			
DNCE 104	Dance on Film	3			
FILM 111	Film History I: 1880-1945	3			
FILM 111H	Film History I: 1880-1945 (Honors)	3			
FILM 112	Film History II: 1945-Present	3			
FILM 112H	Film History II: 1945-Present (Honors)	3			
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3			
FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors)	3			

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JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
JAPN 210	Intermediate Conversation I and Reading (F'16)	3
LIT 100	Introduction to Chicano Chicana Literature	3
LIT 101	Introduction to Asian American Literature	3
LIT 120	Introduction to Literature	3
LIT 122	Introduction to African American Literature	3
LIT 250	American Literature: First Contact Through the Civil War	3
LIT 250H	American Literature: First Contact Through the Civil War (Honors)	3
LIT 251	American Literature: Mid-1800s to the Present	3
LIT 251H	American Literature: Mid-1800s to the Present (Honors)	3
LIT 260	English Literature Through the 18th Century	3
LIT 260H	English Literature Through the 18th Century (Honors)	3
LIT 261	English Literature: Romantic to Contemporary	3
LIT 261H	English Literature: Romantic to Contemporary (Honors)	3
LIT 265	Shakespeare Studies	3
LIT 265H	Shakespeare Studies (Honors)	3
LIT 270	World Literature to 1600	3
LIT 270H	World Literature to 1600 (Honors)	3
LIT 271	World Literature Since 1600	3
MAT 105	History of Graphic Design	3
PHIL 101	Introduction to Philosophy: Knowledge and Reality	3
PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	3
PHIL 102	Contemporary Moral Problems	3
PHIL 221	Philosophy of Religion	3
RELG 101	World Religions	3
RELG 101H	World Religions (Honors)	3
RELG 103	Religion in America	3
RELG 105	Eastern Religions	3
SOC 232	Critical Issues in Chicana and Latina Studies	3
SPAN 101	Elementary Spanish (First Semester)	4
SPAN 102	Elementary Spanish (Second Semester)	4
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4
SPAN 221	Spanish for Native Speakers	4
SPAN 222	Spanish for Native Speakers II	4

SPAN 205	Hispanic Film, Literature, and Composition	3
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AREA D—Social Sciences* *

Select **two** courses. If both courses selected are from the same discipline, the CSU Area D upper-division requirement, completed after transfer, must come from a different discipline. A minimum of 6 units is required.

ADM 100	Introduction to the Administration of Justice	3
ADM 100H	Introduction to the Administration of Justice (Honors)	3
ADM 200	Concepts of Criminal Law (F'11)	3
ANTH 102	Cultural Anthropology	3
ANTH 102H	Cultural Anthropology (Honors)	3
ANTH 103	Introduction to Archaeology	3
ANTH 104	Native American Cultures	3
ANTH 105	Evolution of Human Behavior	3
ANTH 105H	Evolution of Human Behavior (Honors)	3
ANTH 107	Gender, Sex, and Sexuality	3
ANTH 190	Primate Behavior and Ecology	3
ANTH 190H	Primate Behavior and Ecology (Honors) (F'19)	3
BLST 240	Introduction to Black Studies	3
CCS 230	Introduction to Chicana/o Studies	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
CHLD 112	Child Growth and Development (F'22)	3
CHLD 113	Child and Adolescent Growth and Development (F'11)	3
CHLD 210	Child, Family, and Community (F'11)	3
CHLD 235	Children in a Diverse Society	3
COMM 120	Principles of Human Communication	3
COMM 135	Gender Studies in Communication	3
COMM 220	Introduction to Mass Communication	3
CSIT 160	Technology, the Individual, and Society	3
ECON 100	Survey of Economics	3
ECON 101	Principles of Economics: MACRO	3
ECON 102	Principles of Economics: MICRO	3
ETHN 207	Race and Ethnic Relations	3
GEOG 102	Cultural Geography	3
GEOG 104	World Geography	3
GEOG 108	Environmental Sustainability and Society	3
GERO 101	Introduction to Aging	3
GERO 250	Intergenerational Issues	3
HIST 100	World History to 1500	3
HIST 100H	World History to 1500 (Honors)	3
HIST 101	World History Since 1500	3
HIST 101H	World History Since 1500 (Honors)	3
HIST 102	History of the Modern Middle East	3

HIST 102H	History of the Modern Middle East (Honors)	3	PSYC 115	Human Sexuality (F'12)	3
HIST 105	History of England	3	PSYC 121	Human Development	3
HIST 105H	History of England (Honors)	3	PSYC 121H	Human Development (Honors)	3
HIST 106	History of Technology	3	PSYC 125	Psychology of Women	3
HIST 106H	History of Technology (Honors)	3	PSYC 145	Psychology/Sociology of the Family (F'11)	3
HIST 107	East Asian Societies	3	PSYC 170	Psychology of Aging: Adult Development and Aging	3
HIST 110	United States History to 1877	3	PSYC 211	Learning and Behavior Modification (F'14)	3
HIST 110H	United States History to 1877 (Honors)	3	SOC 101	Introduction to Sociology	3
HIST 111	United States History Since 1877	3	SOC 101H	Introduction to Sociology (Honors)	3
HIST 111H	United States History Since 1877 (Honors)	3	SOC 102	Contemporary Social Problems	3
HIST 113	American Military History	3	SOC 103	Social Psychology	3
HIST 113H	American Military History (Honors)	3	SOC 105	Introduction to Justice Studies	3
HIST 115	Women in American History	3	SOC 120	Introduction to Women's Studies	3
HIST 115H	Women in American History (Honors)	3	SOC 130	Introduction to Gender Studies	3
HIST 116	History of the Americas to 1830	3	SOC 140	Introduction to LGBT Studies	3
HIST 116H	History of the Americas to 1830 (Honors)	3	SOC 145	Psychology/Sociology of the Family (F'11)	3
HIST 117	History of the Americas Since 1830	3	SOC 207	Race and Ethnic Relations (F'10)	3
HIST 117H	History of the Americas Since 1830 (Honors)	3	SOC 230	Introduction to Chicana/o Studies	3
HIST 141	Mexican American History Through 1877 (F'10)	3	SOC 232	Critical Issues in Chicana and Latina Studies	3
HIST 141H	Mexican American History Through 1877 (Honors)	3	SOC 240	Introduction to Black Studies	3
HIST 142	Mexican American History Since 1877 (F'10)	3	SOC 250	Introduction to Pacific Studies	3
HIST 142H	Mexican American History Since 1877 (Honors)	3			
HIST 145	African American History to 1877 (F'10)	3			
HIST 145H	African American History to 1877 (Honors)	3			
HIST 146	African American History Since 1877 (F'10)	3			
HIST 146H	African American History Since 1877 (Honors)	3			
HIST 165	California History	3			
NUTR 108	Cultural Aspects of Foods and Nutrition	3			
PLSC 101	Introduction to Political Science	3			
PLSC 101H	Introduction to Political Science (Honors)	3			
PLSC 102	American Institutions and History (F'09)	4			
PLSC 103	Comparative Government	3			
PLSC 150	Introduction to International Relations	3			
PSYC 100	Psychology of Personal Growth	3			
PSYC 101	General Psychology	3			
PSYC 101H	General Psychology (Honors)	3			
PSYC 103	Social Psychology	3			
PSYC 114	Abnormal Psychology (F'19)	3			

History, Constitution and American Ideals Requirement

All CSU campuses have a *graduation requirement* in History, Constitution and American Ideals. Students may be certified as completing this requirement by completing **one** course from Group I and **one** course from Group II; or by completing the course in Group III.

Group I

HIST 110	United States History to 1877	3
HIST 110H	United States History to 1877 (Honors)	3
HIST 116	History of the Americas to 1830	3
HIST 116H	History of the Americas to 1830 (Honors)	3
HIST 141	Mexican American History Through 1877	3
HIST 141H	Mexican American History Through 1877 (Honors)	3
HIST 145	African American History to 1877	3
HIST 145H	African American History to 1877 (Honors)	3

Group II

HIST 111	United States History Since 1877	3
HIST 111H	United States History Since 1877 (Honors)	3
HIST 117	History of the Americas Since 1830	3
HIST 117H	History of the Americas Since 1830 (Honors) (F'16)	3

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HIST 142	Mexican American History Since 1877	3
HIST 142H	Mexican American History Since 1877 (Honors)	3
HIST 146	African American History Since 1877	3
HIST 165	California History	3

Group III

PLSC 102	American Institutions and History	4
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These courses may be used to satisfy the Area D requirement.

AREA E—Lifelong Learning & Self-Development

Select **one** course. A minimum of 3 units is required.

BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BUS 136	Human Relations in Business (F'13)	3
CHLD 113	Child and Adolescent Growth and Development (F'11)	3
CHLD 205	Health, Safety, and Nutrition (F'11)	3
CHLD 235	Children in a Diverse Society	3
COUN 100	College and Career Success	3
CSIT 160	Technology, the Individual, and Society (F'22)	3
CSIT 165	Living in an Online World	3
GERO 101	Introduction to Aging (F'11)	3
HEAL 101	Principles of Health	3
HEAL 222	Stress Management (F'19)	3
INTR 100	Foundation Skills for the College Experience	3
LIBR 201	Media & Information Literacy (F'19)	3
LIBR 201H	Media & Information Literacy (Honors) (F'19)	3
NUTR 100	Nutrition Today	3
NUTR 100H	Nutrition Today (Honors)	3
NUTR 105	Human Performance and Sports Nutrition	3
NUTR 125	Nutrition and Aging	3
PSYC 100	Psychology of Personal Growth (F'11)	3
PSYC 115	Human Sexuality	3
PSYC 121	Human Development (F'11)	3
PSYC 121H	Human Development (Honors)	3
PSYC 145	Psychology/Sociology of the Family	3
PSYC 170	Psychology of Aging: Adult Development and Aging	3
SOC 145	Psychology/Sociology of the Family	3

AREA F—Ethnic Studies* *

A minimum of 3 units is required.

CCS/SOC 232	Critical Issues in Chicana and Latina Studies	3
ETHN/SOC 207	Race and Ethnic Relations	3

Important Information & Footnotes

This general education certification pattern can be subject to change year by year, but students are assured that courses taken to meet this pattern will be honored if they are approved for the academic year that the course is completed. Courses on this list are approved effective fall 2022 and are valid through summer 2023.

The approved courses on this pattern are those available at the time of catalog publication. For the complete course approval list, please see the catalog addendum, the class schedule, or the Articulation and Transfer Center webpages.

Certification of this general education pattern is not a CSU admission requirement except when students are completing an Associate Degree for Transfer to a California State University. Students are strongly advised to work with a MiraCosta College counselor to develop an educational plan that includes general education and major preparation coursework.

Credit will not be awarded for both the honors and non-honors version of a course.

Courses listed in two different areas may be used in either area but not both.

- * Consistent with CSU admission policies, MiraCosta College will certify courses in Area A or B4 that have been completed with a minimum grade of "C-" or better.
- () Course approved beginning semester and year indicated. Course taught on campus prior to CSU GE approval.
- # Laboratory course.
- ** Effective for students beginning **at MiraCosta or a CSU campus in fall 2021 and beyond**. Students with continuous enrollment (attendance in at least one semester per calendar year at a CSU or California Community College or a combination of the two) prior to fall 2021 may choose to complete the Plan B pattern without Area F and with 9 units from at least two different disciplines completed in Area D.