
MISSION COLLEGE

CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION
CERTIFICATION AND CERTIFICATE OF ACHIEVEMENT REQUIREMENTS

The CSU General Education Breadth (CSU GE-B) is a 39-unit general education program that allows California Community College students to fulfill lower-division GE requirements for the CSU. At least **60 TRANSFERABLE UNITS** of Major and General Education courses are required for transfer. Transfer students should: (1) meet with a counselor to create an EDUCATIONAL PLAN that will assist in identifying appropriate major and GE requirements; (2) request an [CSU GE-B CERTIFICATION](#) (when final transcripts are requested) to be sent to the transfer institution; and (3) with a counselor's assistance, determine eligibility for an Associate's Degree and/or an Associate's Degree for Transfer. FULL CERTIFICATION (completion of all areas), PARTIAL CERTIFICATION, and CSU GE-B FOR STEM CERTIFICATION (for [BIO AS-T only](#)) are available. **Completion of this pattern may also satisfy requirements for a Certificate of Achievement.** *All courses are three (3) units unless otherwise noted.*

AREA A – ENGLISH LANGUAGE COMMUNICATION AND CRITICAL THINKING (9 SEMESTER UNITS /12-15 QUARTER UNITS)

Complete one course from each section (3 courses total). All courses from Area A must be complete with a "C" (or P) or better.

A1. Oral Communication:

COM 001, 001H Public Speaking
COM 015 Fundamentals of Oral Communication

COM 020, 020H Argumentation and Debate

A2. Written Communication: ENG 001A English Composition I or ENG 001AX English Composition with Additional Support

A3. Critical Thinking

COM 020, 020H Argumentation and Debate
ENG 001B English Composition II*
ENG 001C Clear Thinking in Writing*
PHI 002 Introduction to Logic

PHI 003 Introduction to Problems in Ethics*
POL 020 Controversial Legal Issues
REA 054 Critical College Reading & Thinking
*(*also fulfills some CSU's 2nd composition graduation requirement)*

AREA B – SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING (9 SEMESTER/12-15 QUARTER UNITS)

Complete at least one course from the Biological Science area, the Physical Science area and the Mathematics area.

B1. Physical Sciences

AST 001 Astronomy
AST 003, 003H Astronomy with Lab (4,4)
AST 004 Astrobiology
CHM 001A, 001AH, 001B, 001BH General Chemistry (5,5)
CHM 002 Introductory Chemistry (4)
CHM 002 Introductory Chemistry
CHM 002L, Introductory Chemistry Lab (1)
CHM 012A, 012AH, 012B, 012BH Organic Chemistry I (5,5)

CHM 030A Fundamentals of Chemistry (4)
CHM 060 Survey of General, Organic, and Biological Chemistry (4)
GEO 001 Introduction to Physical Geography
PHY 002A,B General Physics (5,5)
PHY 004A,B,C Engineering Physics (5,4,4)
PHY 004D Atomic Physics (2)
PHY 010 Introduction to Physics (4)

B2. Biological Sciences

ANT 001 Biological Anthropology
ANT 001L Biological Anthropology Lab (1)
BIO 001A, 001AH General Biology: Cells (5ea)
BIO 001B General Biology: Organisms (5)
BIO 004 Microbiology (5)
BIO 010 Introduction to Biology (4)
BIO 010 Introduction to Biology
BIO 010L Introduction to Biology Lab (1)
BIO 011 Human Biology (4)
BIO 012 Emerging Infectious Disease
BIO 014, 014H Introductory Neuroscience

BIO 016 Marine Biology (4)
BIO 017, 017H Genetics and Society
BIO 018, 018H The Biology of Cancer
BIO 019 Oceans: Life in the Sea
BIO 022 Anatomy & Physiology for Allied Health Workers (4)
BIO 025 Environmental Biology
BIO 030 Tropical Ecology
BIO 030L Tropical Ecology Field Studies (1)
BIO 032 California Plants and Animals (4)
BIO 047 Human Anatomy (5)
BIO 048, 048H Human Physiology (5,5)

B3. Laboratory Requirement

One of the selected science courses from above must contain a laboratory component. Lab courses are underlined.

AREA B – SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING (CONTINUED)

B4. Mathematics/Quantitative Reasoning

Courses from Area B4 must be complete with a “C” (or P) better.

MAT 000D Trigonometry	MAT 004C Linear Algebra (4)
MAT 000G Math for the Liberal Arts Students (4)	MAT 009 Integrated Statistics II (5)
MAT 001 College Algebra (4)	MAT 010, 010H Elementary Statistics (4)
MAT 001X College Algebra with Additional Support (6)	MAT 010X Elementary Statistics with Additional Support (6)
MAT 002 Pre-Calculus and Trigonometry (6)	MAT 012 Calculus for Business (4)
MAT 003A,003AH, 003B Analytic Geometry and Calculus (5,5)	MAT 019 Discrete Mathematics (4)
MAT 004A Intermediate Calculus (5)	SOC 016 Introduction to Statistics in Social and Behavioral Sciences
MAT 004B Differential Equations (4)	

AREA C – ARTS AND HUMANITIES (9 SEMESTER/12-15 QUARTER UNITS)

Complete three (3) courses or 9 semester/12-15 quarter units with at least one course in Arts and one course in Humanities.

C1. Arts

ART 001A Survey of Western Art I	ART 035A Life Drawing
ART 001B Survey of Western Art	GDS 011 History of Modern Design (Also ART 011)
ART 001D Survey of Modern Art	GDS 012 History of Photography
ART 004 Art Appreciation	GDS 015 Photo-media and Social Change
ART 007 Survey of Asian Art	KIN 080 Dance Appreciation
ART 011 History of Modern Design (Also GDES 011)	MUS 005 Fundamentals of Music
ART 031A Drawing	MUS 010 Music Appreciation
ART 033A Basic Design: Two-Dimensional	MUS 016 Survey of Rock and Popular Music
ART 034A Introduction to Digital Art	MUS 017 Music of the World

C2. Humanities

ARB 001, 002 First/Second Semester Arabic	HIS 017A, 017AH History of the United States to 1877 (FA15)
CHI 001, 002 First/Semester Chinese	HIS 017B, 017BH History of the United States since 1877 (FA15)
COM 012 Intercultural Communication	HIS 033, 033H Women’s Issues Past and Present (FA15)
ENG 001B English Composition II (SP07)	HUM 001A,001B Human Values in and from the Arts
ENG 005A,B English Literature	HUM 007 International Films
ENG 006B World Literature	HUM 015 Introduction to Film Analysis (Also ENG 15)
ENG 007A,B American Literature	HUM 016A Hispanic Roots and Culture
ENG 012 African American Literature	HUM 018, 018H African American Culture and Humanities
ENG 013 Chicana/o-Latina/o Literature	HUM 020 Introduction to Asian Roots and Culture
ENG 015 Introduction to Film Analysis (Also HUM 15)	HUM 022 Introduction to Islam
ENG 043 Classical Mythology	HUM 024 The Asian American Experience
ENG 048 Introduction to Shakespeare	JPN 001,002 First/Second Semester Japanese (5,5)
ENG 070 Creative Writing	LIN 001 Introduction to Language and Linguistics
ETH 012 African American Literature	PHI 001 Introduction to Philosophy
ETH 013 Chicana/o-Latina/o Literature	PHI 003 Introduction to Problems in Ethics
ETH 016A Hispanic Roots and Culture	PHI 005 Introduction to Social and Political Philosophy
ETH 018, 018H African American Culture and Humanities	POL 003 Introduction to Social and Political Philosophy
ETH 024 The Asian American Experience	POL 007 International Films
FRN 001, 002 First/Second Semester French (5,5)	SPA 001, 002 First/Second Semester Spanish (5,5)
FRN 003, 004 Third/Fourth Semester French (5,5)	SPA 003, 004 Third/Fourth Semester Spanish (5,5)
FRN 001L,002L French Laboratory (.5,.5)	SPA 001L, 002L Spanish Laboratory (.5,.5)
HIS 004A, 004B History of Western Civilization (FA14)	SPA 050A,050B Basic Conversational Spanish (3,3)
HIS 004AH, 004BH History of Western Civilization (FA15)	VIE 001, 002 First/Second Semester Vietnamese – Elementary (5,5)
HIS 015, 015H World History to 1500 (FA15)	VIE 049A,049B Vietnamese Language/Culture for Fluent Speakers (3,3)
HIS 016, 016H World History since 1500 (FA15)	

C3. One additional course from either C1 or C2. (Biology AS-T majors can defer Area C3 until after transfer).

MISSION COLLEGE
CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION-BREADTH
2022-2023 CERTIFICATION AND CERTIFICATE OF ACHIEVEMENT ADVISING GUIDE

MISSION COLLEGE CSU GE-B REQUIREMENTS	STATUS
AREA A ♦ ORAL & WRITTEN COMMUNICATION ♦ 3 courses, 9 semester/12-15 quarter units	
A1: ORAL COMMUNICATION: COM 1, 1H, 15, 20, 20H (COM 4 if completed by Fall 2003) Course(s) from other college(s)/AP Exams:	
A2: WRITTEN COMMUNICATION: ENG 1A, 1AX Course(s) from other college(s)/AP Exams:	
A3: CRITICAL THINKING: COM 20, 20H; ENG 1B*, 1C*; PHI 2, 3* (*also fulfills some CSU's 2nd comp grad req); POL 20; REA 54, 53_(FA12-SP13 only) Course(s) from other college(s)/AP Exams:	
AREA B ♦ NATURAL SCIENCE & MATHEMATICS ♦ 3 courses, 9 semester/12-15 quarter units (One science course must have a laboratory)	
B1: PHYSICAL SCIENCES: AST 1, 2, 3, 3H, 4; CHM 1A, 1AH, 1B, 1BH, 2, 2, 2L, 7, 12A, 12AH, 12B, 12BH, 30A, 30B, 60; EGR 3; GEO 1; PHY 2A, 2B, 4A, 4B, 4C, 4D, 10 Course(s) from other college(s)/AP Exams:	
B2: BIOLOGICAL SCIENCES: ANT 1, 1L; BIO 1A, 1AH, 1B, 4, 10, 10, 10L 11, 12, 14, 14H, 15, 16, 17, 17H, 18, 18H, 19, 22, 25, 30, 30, 30L, 32, 41, 42, 43, 43H, 47, 48, 48H Course(s) from other college(s)/AP Exams:	
B3: LABORATORY SCIENCE: Underlined courses from B1 and B2 contain a lab component. Course(s) from other college(s)/AP Exams:	
B4: MATH: MAT D, G, 1, 1X, 2, 3A, 3AH, 3B, 4A, 4B, 4C, 8, 9, 10, 10H, 10X, 12, 19; SOC 16 Course(s) from other college(s)/AP Exams:	
AREA C ♦ ARTS AND HUMANITIES ♦ 3 courses, 9 semester/12-15 quarter units (BIO AS-T majors can defer 1 course)	
C1: ARTS: ART 1A, 1B, 1D, 4, 7, 11, 31A, 33A, 34A, 35A; GDS 11, 12, 15; KIN 80; MUS 1, 2, 5, 5A, 10, 16, 17; WHP 40 (FA07) Course(s) from other college(s)/AP Exams:	
C2: HUMANITIES: ARB 1, 2, 50A; CHI 1, 2, 50A, 50B; COM 12; ENG 1B (FA07), 5A, 5B, 6B, 7A, 7B, 12, 13, 14, 15, 18, 43, 48, 70; ETH 12, 13, 16A, 18, 18H, 24; FRN 1, 1L, 2, 2L, 3, 4, 5, 6, 50A, 50B, 51A, 51B, 62; GDS 13; GLB 5; HIS 4A (FA14), 4AH, 4B (FA14), 4BH, 15, 15H, 16, 16H, 17A, 17AH, 17B, 17BH, 33, 33H (HIST 15-33H FA15); HUM 1A, 1B, 7, 13, 15, 16A, 18, 18H, 20, 22, 24; ITAL 1, 1L, 2, 50A; JPN 1, 2, 3A, 3B, 4A, 50A, 50B; LIN 1; PHI 1, 3, 5; POL 3, 7; PORTG 49A, 49B, 50A, 50B, 51A, 51B; SPA 1, 1L, 2, 2L, 3, 4, 5, 6, 49A, 49B, 50A, 50B, 51A, 51B; VIE 1, 1L, 2 2L, 49A, 49B, 50A Course(s) from other college(s)/AP Exams:	
C3: CHOOSE ADDITIONAL COURSE FROM C1 OR C2 (not required for BIO AS-T majors) Course(s) from other college(s)/AP Exams:	
AREA D ♦ SOCIAL & BEHAVIORAL SCIENCES ♦ 2 courses, 6 semester/8 quarter units (BIO AS-T majors can defer 1 course)	
ANT 2, 3, 39B, 45, 51, 55; BUS 61; CHD 1, 2 (FA11), 13 (FA15); COM 25; COU 55; ECN 1A, 1B, 6; ETH 16A, 18, 18H, 24, 44, 44H; GEO 2, 6; GLB 1, 1A, 2, 4, 5, 6; HIS 4A, 4AH, 4B, 4BH, 15, 15H, 16, 16H, 17A, 17AH, 17B, 17BH, 20, 31, 33, 33H, 44, 44H; HUM 7, 16A, 18 (FA14), 24; KIN 81; POL 1, 1H, 2, 4, 5, 6, 7, 10, 20; PSY 1, 1H, 2A, 7, 10, 12, 15, 15H, 25, 30, 33, 40, 45, 48, 55; SJS 1, 2, 3; SOC 1, 1H, 2, 2H, 21; 24, 32, 38, 39A, 39B, 40, 41, 43, 45, 46, 47, 50, 60 (FA15); SOCS 1, 1A, 2, 3, 4, 5, 6 Course(s) from other college(s)/AP Exams:	
AREA E ♦ LIFELONG LEARNING ♦ 1 course, 3 semester/4 quarter units	
ANT 45; BIO 25; CHD 2(FA11), 13(FA15), 17(FA15); CHL 10; COM 4 (FA15), 8, 12; COU 5, 12, 17, 55 (FA15); HED 2, 9; HOC 6, 8; KIN 68, 78, 79; LIB 10 (FA15), 10H (FA15); NTR 15, 52; PSY 12, 45, 48, 55; SOC 45, 46; WHP 30 (FA11); NOTE: One (1) unit of KIN can be applied toward Area E. Course(s) from other college(s)/AP Exams/DD214:	
AREA F ♦ ETHNIC STUDIES ♦ 1 course, 3 semester/4 quarter units ♦ **FOR STUDENTS WHO BEGIN FALL 2021 OR LATER**	
ENG 13; ETH 13, 044, 044H; HIS 044, 044H Course(s) from other college(s)/AP Exams:	
CSU GRADUATION REQUIREMENT: AH&I (US1/US2/US3) ♦ Courses taken in Area C or D can be used to meet this requirement	
POL 1, 1H + HIS 17A, 17AH or 17B, 17BH or HIS 44, 44H or ETH 44, 44H (HIS 17A&17B; HIS 17A&20; HIS 17B&20; POL 1 if done by Spring 2004) Course(s) from other college(s)/AP Exams:	