
MISSION COLLEGE

CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION - BREADTH CERTIFICATION AND CERTIFICATE OF ACHIEVEMENT REQUIREMENTS

The CSU General Education Breadth (CSU GE-B) is a 40-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 010 Persuasive Speaking

COM 015 Fundamentals of Human Comm in Professional & Career Contexts
COM 020, 020H Argumentation, Advocacy and Debate

A2. Written Communication: ENG 001A English Composition I (3) or ENG 001AX English Composition with Additional Support (5)

A3. Critical Thinking

COM 020, 020H Argumentation, Advocacy and Debate
ENG 001B English Composition and Literature*
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 ea)
AST 004 Astrobiology – Life in the Universe
CHM 001A, 001AH, 001B, 001BH General Chemistry (5 ea)
CHM 002 Introductory Chemistry
CHM 002L, Introductory Chemistry Lab (1)
CHM 012A, 012AH, 012B, 012BH Organic Chemistry I (5 ea)
CHM 030A Fundamentals of Chemistry (4)

CHM 060 Survey of General, Organic, and Biological Chemistry (4)
GEO 001 Introduction to Physical Geography
GEO 001L Introduction to Physical Geography Lab (1)
PHY 002A,B General Physics (5 ea)
PHY 003 Introduction to Problem Solving
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 (5 ea)
BIO 001B, 001BH General Biology: Organisms (5)
BIO 004 Microbiology (5)
BIO 010 Introduction to Biology
BIO 010L Introduction to Biology Lab (1)
BIO 011 Human Biology (4)
BIO 012, 012H 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, 025H 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.

ACC 046 Personal Finance	MAT 004B Differential Equations (4)
MAT 000D Trigonometry	MAT 004C Linear Algebra (4)
MAT 000G Math for the Liberal Arts Students (4)	MAT 010, 010H Elementary Statistics (4)
MAT 001 College Algebra (4)	MAT 010X Elementary Statistics with Additional Support (6)
MAT 001X College Algebra with Additional Support (6)	MAT 012 Calculus for Business (4)
MAT 002 Pre-Calculus and Trigonometry (6)	MAT 019 Discrete Mathematics (4)
MAT 003A,003AH, 003B Analytic Geometry and Calculus (5 ea)	SOC 016 Introduction to Statistics in Social and Behavioral Sciences
MAT 004A Multivariable Calculus (5)	

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	GDS 011 History of Modern Design
ART 001B Survey of Western Art	GDS 012 History of Photography
ART 001D Survey of Modern Art	GDS 015 Photo-media and Social Change
ART 004 Art Appreciation	KIN 080 Dance Appreciation
ART 007 Survey of Asian Art	MUS 005 Fundamentals of Music
ART 011 History of Modern Design	MUS 009 Jazz Music History
ART 031A Beginning 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
ART 035A Life Drawing	

C2. Humanities

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

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

AREA D – SOCIAL SCIENCES (6 SEMESTER/9 QUARTER UNITS)

Complete two (2) courses. **Biology AS-T majors can defer 1 course until after transfer.**

ANT 002 Introduction to Archaeology	KIN 081 Sport in Society
ANT 003 Cultural Anthropology	POL 001, 001H American Government
ANT 055 Magic, Witchcraft and Religion	POL 002 Comparative Government
BUS 061 Business and Society	POL 004 International Relations
CHD 001 Child Growth and Development	POL 006 Politics of Race, Class and Gender
CHD 002 Child, Family and Community (FA11)	POL 007 International Films
CHD 013 Teaching in a Diverse Society (FA15)	POL 020 Controversial Legal Issues
COU 055 Valuing Diversity	PSY 001, 001H General Psychology
COM 014 <i>Teamwork and Leadership in Small Groups</i>	PSY 007 Biological Psychology
ECN 001A Principles of Macroeconomics (4)	PSY 010 Social Psychology
ECN 001B Principles of Microeconomics (4)	PSY 012 Human Growth and Development
ECN 006 The Global Economy	PSY 015 015H Introduction to Research Methods
ETH 001A Introduction to Ethnic Studies	PSY 025 Introduction to Abnormal Psychology
ETH 044, 044H African American History	PSY 030 Psychology of Addiction and Substance Abuse
HIS 004A, 004AH, 004B, 004BH History of Western Civilization	PSY 045 Human Sexuality (Also SOC 045)
HIS 015, 015H World History to 1500	SJS 001 Social Justice
HIS 016, 016H World History since 1500	SJS 002 Introduction to Gender Studies
HIS 017A, 017AH, 017B, 017BH United States History	SJS 003 Introduction to LGBTQ Studies
HIS 020 History and Geography of California	SOC 001, 001H Introduction to Sociology
HIS 031 History of East Asia	SOC 002, 002H Social Problems
HIS 033, 33H Women's Issues Past and Present	SOC 021 Introduction to Race and Ethnicity
HIS 044, 044H African American History	SOC 040 Marriage and Family
HUM 007 International Films	SOC 045 Human Sexuality (Also PSY 045)
HUM 016A Hispanic Roots and Cultures	SOC 047 Sociology of Criminology
HUM 018, 018H African American Culture & Humanities (FA14)	SOC 050 Introduction to Criminal Law
HUM 024 The Asian American Experience	SOC 060 Community and Justice System (FA15)

AREA E – LIFELONG LEARNING AND SELF-DEVELOPMENT (3 SEMESTER/4-5 QUARTER UNITS)

Choose a course or courses from the following to total at least three (3) semester units.

BIO 025, 025H Environmental Biology	HOC 006 Personal Health and Lifestyle
CHD 002 Child, Family and Community (FA11)	HOC 008 Community Health Problems
CHD 013 Teaching in a Diverse Society (FA15)	KIN 068 Sport Psychology
CHD 017 Child Health and Safety (FA15)	KIN 078 Introduction to Kinesiology
COM 014 <i>Teamwork and Leadership in Small Groups</i>	KIN 079 Lifetime Fitness
COM 008 Interpersonal Communication	NTR 006 Personal Health and Wellness
COM 012 Introduction to Intercultural Communication	NTR 015, 015H Human Nutrition
COU 005 Strategies for Success	PSY 012 Human Growth and Development
COU 012 Careers and Lifestyles	PSY 045 Human Sexuality
COU 017 Transfer Success and Life Transitions	SOC 045 Human Sexuality
COU 055 Valuing Diversity (FA15)	Verified DD214

PHYSICAL EDUCATION:

1. One (1) unit of KIN activity courses can be applied toward Area E. See www.assist.org for complete listing of approved courses.
2. Two (2) units of KIN activity courses satisfy a graduation requirement for some majors at [SJSU](#) and [CSUEB](#).

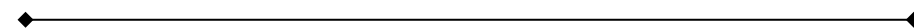
AREA F – ETHNIC STUDIES (3 SEMESTER/4 QUARTER UNITS) ***FOR STUDENTS WHO BEGAN FALL 2021 OR LATER***

ENG/ETH 013 Chicana/o-Latina/o Literature	HIS/ETH 044, 044H African American History
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CSU GRADUATION REQUIREMENT – American History & Institutions (US1/US2/US3)

It is strongly recommended that students complete the following courses prior to transfer (courses in Areas C or D can be used to meet this requirement):

POL 001, 001H American Government	AND ONE:	HIS 017A, 017AH, HIS 017B, 018H United States History HIS 044, 044H, ETH 044, 044H African American History
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◆Courses may be taken to satisfy only one Area Requirement ◆ Visit www.assist.org for specific limitations◆

Requirements are subject to change after catalog publication.

MISSION COLLEGE
CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION-BREADTH
2024-2025 CERTIFICATION AND CERTIFICATE OF ACHIEVEMENT ADVISING GUIDE

CSU GE-B REQUIREMENTS	STATUS
AREA A ♦ ORAL & WRITTEN COMMUNICATION ♦ 3 courses, 9 semester/12-15 quarter units	
A1: ORAL COMMUNICATION: COM 1, 1H, 10, 15, 20, 20H (COM 4 if completed by Fall 2003) Course(s) from other college(s)/AP Exams:	NEED
A2: WRITTEN COMMUNICATION: ENG 1A, 1AX Course(s) from other college(s)/AP Exams:	NEED
A3: CRITICAL THINKING: COM 20, 20H; ENG 1B*, 1C*; PHI 2, 3* (*also fulfills some CSU's 2nd comp graduation requirement); POL 20; REA 54, 53(FA12-SP13 only) Course(s) from other college(s)/AP Exams:	NEED
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, 1L; PHY 2A, 2B, 3, 4A, 4B, 4C, 4D, 10 Course(s) from other college(s)/AP Exams:	NEED
B2: BIOLOGICAL SCIENCES: ANT 1, 1L; BIO 1A, 1AH, 1B, 1BH, 4, 10, 10, 10L 11, 12, 12H, 14, 14H, 15, 16, 17, 17H, 18, 18H, 19, 22, 25, 25H, 30, 30, 30L, 32, 41, 42, 43, 43H, 47, 48, 48H Course(s) from other college(s)/AP Exams:	NEED
B3: LABORATORY SCIENCE: Underlined courses from B1 and B2 contain a lab component. Course(s) from other college(s)/AP Exams:	NEED
B4: MATH: ACC 46; 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:	NEED
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, 9, 10, 16, 17; WHP 40 (FA07) Course(s) from other college(s)/AP Exams:	NEED
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 13; FRN 1, 1L, 2, 2L, 3, 4, 5, 6, 50A, 50B, 51A, 51B, 62; GDS 11, 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:	NEED
C3: CHOOSE ADDITIONAL COURSE FROM C1 OR C2 (not required for BIO AS-T majors) Course(s) from other college(s)/AP Exams:	NEED
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 14, 25; COU 55; ECN 1A, 1B, 6; ETH 1A, 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); SOCSC 1, 1A, 2, 3, 4, 5, 6 Course(s) from other college(s)/AP Exams:	NEED
AREA E ♦ LIFELONG LEARNING ♦ 1 course, 3 semester/4 quarter units	
ANT 45; BIO 25, 25H; CHD 2(FA11), 13(FA15), 17(FA15); CHL 10; COM 4 (FA15), 8, 12, 14; COU 5, 12, 17, 55 (FA15); HED 2, 9; HOC 6, 8; KIN 68, 78, 79; LIB 10 (FA15), 10H (FA15); NTR 6, 15, 15H, 52; PSY 12, 45, 48, 55; SOC 45, 46; WHP 30 (FA11); NOTE: Only one (1) unit of KIN/WHP/PE can be applied toward Area E. Course(s) from other college(s)/AP Exams/DD214:	NEED
AREA F ♦ ETHNIC STUDIES ♦ 1 course, 3 semester/4 quarter units ♦ **FOR STUDENTS WHO BEGIN FALL 2021 OR LATER**	
ENG 13; HIS 44, 44H; ETH 13, 44, 44H Course(s) from other college(s):	NEED
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, 17B, 17BH, HIS 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:	NEED