MISSION COLLEGE

GRADUATION REQUIREMENTS 2022-2023

ASSOCIATE IN ARTS and ASSOCIATE IN SCIENCE DEGREES

Mission College will confer the ASSOCIATE IN ARTS (A.A.) or ASSOCIATE IN SCIENCE (A.S.) degree upon a student who successfully completes requirements listed below in accordance with WVMCCD Board Policy 4025 and Title 5 § 55063. Graduation requirements (Major, Competency, and General Education) are listed in the College Catalog at the time studies begin. Those requirements may be followed throughout the course of study as long as the student remains in continuous enrollment which is defined as enrollment for at least one regular semester, summer session or winter session each academic year. If a break in attendance occurs, the graduation requirements shall follow those listed in the College Catalog which is current at the time studies are resumed.

Reciprocity Agreement: Students completing all of the general education and graduation requirements at a participating college will be given full credit for having completed the Mission College general education-graduation requirements, including reading, writing, oral communication, and mathematics.

1. RESIDENCY REQUIREMENT: A minimum of 12 degree-applicable units must be completed at Mission College.
2. SCHOLARSHIP REQUIREMENTS: An overall grade point average of 2.0 in 60 units of work reflected on all college transcripts.
3. MAJOR REQUIREMENT: Fulfill a specialized major as listed in the college catalog with a grade of C (or “P”) or better in each major requirement.
4. BASIC COMPETENCY REQUIREMENTS: Proficiency in the following areas is required for an Associate in Arts and Associate in Science degrees:

**Reading:**
A. Completion of ENG 001A or ENG 001AX (grade of C or better) or REA 054 (C or P or better) OR
B. Completion of a transfer-level course approved to satisfy the First-Year Composition requirement at a college or university (C or P or better).

**Writing:**
A. Completion of the ENG 001A or ENG 001AX (grade of C or better) OR
B. Completion of a transfer-level course approved to satisfy the First-Year Composition requirement at a college or university (C or P or better).

**Oral Communication:**
A. Completion of COM 001, 001H, 015, 020, 020H for the A.A. Degree OR
B. Completion of COM 001, 001H, 004, 015, 020 or 020H for the A.S. Degree OR
C. Competency determined by Communication Studies Department committee evaluation process.

**Mathematics:**
A. Completion of MAT 000C or equivalent (C or P or better) OR
B. Completion of two semesters of High School Algebra II, Integrated Math 3, Common Core Math 3 or equivalent or higher with a grade of C- or better in both semesters OR
C. Completion of a transfer-level course approved to satisfy the Quantitative Reasoning requirement at a college or university (C or P or better) OR
D. A minimum score of 70% on an Intermediate Algebra departmental exam

5. AREA REQUIREMENTS (GENERAL EDUCATION):

**A. LANGUAGE AND RATIONALITY — 6 semester units / 9 quarter units minimum**

1. English Composition course
   ENG 001A English Composition I or ENG 001AX English Composition with Additional Support

2. One additional course:
   COM 001, 001H Public Speaking
   COM 004 Small Group Communications
   COM 015 Fundamentals of Oral Communication
   COM 020, 020H Argumentation and Debate
   CIS 001 Introduction to Computer Science and Technology (4)
   ENG 001B English Composition
   ENG 001C Clear Thinking in Writing
   EGR 030 Intro to Computing for Engineers

**B. NATURAL SCIENCES — 3 semester units / 4.5 quarter units minimum**

These courses examine the physical universe, its life forms and its natural phenomena. Courses with a lab are underlined.

**ANT 001 Biological Anthropology**
**ANT 001 Biological Anthropology Laboratory**
AST 001 Astronomy
AST 003, 003H Astronomy with Lab (4)
AST 004 Astrobiology
**BIO 001A, 001AH, 001B, 001BH General Biology (5 ea)**
**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 Anat & Physiology for Allied Health Workers (4)**
**BIO 025, 025H Environmental Biology**

**CHM 001A, 001AH, 001B, 001BH General Chemistry (5 ea)**
**CHM 002 Introductory Chemistry**
**CHM 002L Introduction to Chemistry Lab (1)**
**CHM 012A, 012AH, 012B, 012BH Organic Chemistry (5 ea)**
**CHM 030A Fundamentals of Chemistry (4)**
**CHM 060 Survey of General, Organic and Biological Chemistry (4)**
**GEO 001 Introduction to Physical Geography**
**NTR 015 Human Nutrition**
**NTR 040 Nutrition and Disease**
**PHY 002A, 002B General Physics (Sea)**
**PHY 004A, 004B, 004C Engineering Physics (Sea)**
**PHY 004D Engineering Physics - Atomic (2)**
**PHY 010 Introduction to Physics (4)**

The requirements listed here were accurate at the time of publication.

Please visit the Counseling Office (counseling.missioncollege.edu) for updated requirements.
### Area C – Humanities – 3 semester units / 4-5 quarter units minimum

These courses develop an awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation. **NOTE:** *Three 1-unit classes alone may not be used to satisfy this category.*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>First, Second Semester Arabic</td>
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<tr>
<td>ART 001A</td>
<td>Survey of Western Art I</td>
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<td>ART 001B</td>
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<td>ART 031A,B</td>
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<td>ART 033A</td>
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<td>ART 033B</td>
<td>Basic Design: Three-Dimensional</td>
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<td>ART 034A,B</td>
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<td>ART 035A</td>
<td>Life Drawing</td>
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<td>ART 047A,B</td>
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<td>ART 048A,B</td>
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<td>ART 085A</td>
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<td>ENG 001B</td>
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<td>ENG 005A,B</td>
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<td>ENG 007A,007B</td>
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<td>ETH 012</td>
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<td>ETH 013</td>
<td>Chicana/o-Latina/o Literature*</td>
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<td>ETH 016A,B</td>
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<tr>
<td>ETH 018</td>
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<td>ETH 024</td>
<td>The Asian American Experience*</td>
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<tr>
<td>FRN 001,002</td>
<td>First/Second Semester French - Elementary (5 ea)</td>
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<td>FRN 003,004</td>
<td>Third/Forth Semester French - Intermediate (5 ea)</td>
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<tr>
<td>FRN 001L</td>
<td>2L French Lab (0.5 ea)</td>
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<tr>
<td>GDS 011</td>
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<td>GDS 015</td>
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<td>GDS 073</td>
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<td>HIS 017B,017BH</td>
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<td>HIS 033,033H</td>
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<td>HUM 001A,001B</td>
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<td>HUM 020</td>
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<td>HUM 022</td>
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<td>JPN 001,002</td>
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<td>KIN 041 – 048</td>
<td>All Dance Classes see catalog for complete course titles and units (1 ea)</td>
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<tr>
<td>KIN 080</td>
<td>Dance Appreciation (formerly WHP 040)</td>
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<td>MUS 005</td>
<td>Fundamentals of Music Theory</td>
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<td>MUS 017</td>
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<td>MUS 030A,B,031A,B</td>
<td>Beginning/Intermediate Piano (1 ea)</td>
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<tr>
<td>MUS 032A,B,033A,B</td>
<td>Beginning/Intermediate Voice (1 ea)</td>
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<tr>
<td>MUS 036A,B</td>
<td>Beginning Guitar (1 ea)</td>
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<td>Mission Chorus (1 ea)</td>
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<td>MUS 048A</td>
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<td>Logic</td>
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<td>Introduction to Problems in Ethics</td>
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<td>POL 003</td>
<td>Introduction to Social and Political Philosophy</td>
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<td>SPA 001,002</td>
<td>First/Second Semester Spanish - Elementary (5 ea)</td>
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<td>SPA 001L,2L</td>
<td>Spanish Lab (.5 ea)</td>
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<tr>
<td>SPA 003,004</td>
<td>Third/Forth Semester Spanish - Intermediate (5 ea)</td>
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<tr>
<td>SPA 050A,B</td>
<td>Basic Conversational Spanish</td>
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<tr>
<td>VIE 001,002</td>
<td>First/Second Semester Vietnamese - Elementary (5 ea)</td>
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<tr>
<td>VIE 049A,049B</td>
<td>Vietnamese Language &amp; Culture for Fluent Speakers</td>
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</tbody>
</table>

**NOTE:** Course noted with an # also satisfy the AA/AS Area F requirement. **See page 2 for more information.**
AREA D — SOCIAL & BEHAVIORAL SCIENCES

Series 1: Social and Behavioral Sciences (3 sem units / 4-5 qtr units): These courses deal with human, social, psychological, political, and economic institutions and behavior and their historical background, selected from among the following:

ANT 002 Introduction to Archaeology
ANT 003 Cultural Anthropology#
ANT 055 Magic, Witchcraft, & Religion#
BUS 061 Business and Society
CHD 001 Child Growth & Development
CHD 002 Child, Family and Community
CHD 013 Teaching Children in a Diverse Society#
COM 025 Mass Communication and Society
COU 055 Valuing Diversity#
ECN 001A Principles of Macroeconomics
ECN 001B Principles of Microeconomics
ECN 006 The Global Economy
ETH 016A Hispanic Roots and Culture#
ETH 018, 018H African American Culture and Humanities#
ETH 024 The Asian American Experience
ETH 044, 044H African American History#
GEO 002 Introduction to Cultural Geography
GEO 006 World Regional Geography
HIS 004A, 004AH, 004B, 004BH History of Western Civilization
HIS 015, 015H World History to 1500
HIS 016, 016H World History since 1500
HIS 017A, 017AH History of United States to 1877
HIS 017B, 017BH History of United States since 1877
HIS 020 History and Geography of California
HIS 022, 022H History of the United States
HIS 033, 033H Women’s Issues Past and Present#
HIS 044, 044H African American History#
HUM 016A Hispanic Roots and Culture#
HUM 018, 018H African American Roots and Culture#
HUM 024 The Asian American Experience#

KIN 081 Sports in Society
POL 001, 001H American Government
POL 002 Comparative Government
POL 004 International Relations
POL 005 Political Science Research Methodology
POL 006 Politics of Race, Class and Gender#
POL 007 International Films
PSY 001, 001H General Psychology
PSY 007 Biological Psychology
PSY 010 Social Psychology
PSY 012 Human Growth and Development
PSY 015, 015H Introduction to Research Methods
PSY 025 Introduction to Abnormal Psychology
PSY 030 Psychology of Addiction and Substance Abuse
PSY 045 Human Sexuality (Also ANT/SOC 045)
SJS 003 Introduction to LGBTQ Studies#
SJS 003 Introduction to Gender Studies#
SJS 004 Introduction to Gay Studies#
SOC 001, 001H Introduction to Sociology#
SOC 002, 002H Social Problems
SOC 021 Sociology of Minorities in the U.S.#
SOC 040 Marriage and Family
SOC 045 Human Sexuality
SOC 047 Sociology of Criminology
SOC 050 Introduction to Criminal Justice
SOC 054 Concepts of Criminal Law
SOC 060 Community and the Justice System

Series 2: American History and Institutions (3 sem/4-5 qtr units): Demonstrate proficiency in American history or American government on a departmental examination OR complete a course with a grade of C (or “P”) or better from one of the following:

ETH 044, 044H African American History#
HIS 017A, 017AH History of United States to 1877
HIS 017B, 017BH History of United States since 1877

HIS 020 History and Geography of California
HIS 033, 033H Women’s Issues Past and Present#
HIS 044, 044H African American History#
HUM 016A Hispanic Roots and Culture#
HUM 018, 018H African American Roots and Culture#
HUM 024 The Asian American Experience#

HIS 015, 015H World History to 1500
HIS 016, 016H World History since 1500
HIS 017A, 017AH History of United States to 1877
HIS 017B, 017BH History of United States since 1877

POL 001, 001H American Government

AREA E — LIFELONG LEARNING — 3 semester/4-5 quarter units minimum: The Lifelong Learning requirement will be completed by the selection of either:

Option 1: Three (3) units from Area A-2, B, C or D; OR

Option 2: Three (3) units from courses listed below which cultivate self-understanding and development of the student as an integrated individual capable of coping with life in our modern society, assist students to acquiring the skills necessary to adapt to change, gain self-understanding, and set achievable goals.

NOTE: All Kinesiology (KIN/WHP/PE) courses are accepted in Area E (except Theory courses). However, only one unit from this area will count for General Education.

ACADEMIC PROGRAMS
**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 a 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

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

**A3. Critical Thinking**
- 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**
- CHM 001A, 001AH, 001B, 001BH General Chemistry (5,5)
- CHM 002 Introductory Chemistry (4)
- CHM 002L, Introductory Chemistry Lab (1)
- CHM 012A, 012AH, 012B, 012BH Organic Chemistry I (5,5)

**B2. Biological Sciences**
- ANT 001 Biological Anthropology
- ANT 001L Biological Anthropology Lab (1)
- BIO 001A, 001AH General Biology: Cells (Sea)
- BIO 001B General Biology: Organisms (5)
- BIO 004 Microbiology (5)
- BIO 010 Introduction to Biology (4)
- 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 000G Math for the Liberal Arts Students (4)
- MAT 001 College Algebra (4)
- MAT 001X College Algebra with Additional Support (6)
- MAT 002 Pre-Calculus and Trigonometry (6)
- MAT 003A, 003AH, 003B Analytic Geometry and Calculus (5,5)
- MAT 004A Intermediate Calculus (5)
- MAT 004B Differential Equations (4)
- MAT 004C Linear Algebra (4)
- MAT 009 Integrated Statistics II (5)
- MAT 010, 010H Elementary Statistics (4)
- MAT 010X Elementary Statistics with Additional Support (6)
- MAT 012 Calculus for Business (4)
- MAT 019 Discrete Mathematics (4)
- SOC 016 Introduction to Statistics in Social and Behavioral Sciences

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

C2. Humanities
- ARB 001, 002 First/Second Semester Arabic
- CHI 001, 002 First/Semester Chinese
- COM 012 Intercultural Communication
- ENG 001B English Composition II (SP07)
- ENG 005A, B English Literature
- ENG 006B World Literature
- ENG 007A, B American Literature
- ENG 011 History of Modern Design (Also GDES 011)
- ENG 012 African American Literature
- ENG 013 Chicana/o-Latina/o Literature
- ENG 015 Introduction to Film Analysis (Also HUM 15)
- ENG 043 Classical Mythology
- ENG 048 Introduction to Shakespeare
- ENG 070 Creative Writing
- ETH 012 African American Literature
- ETH 013 Chicana/o-Latina/o Literature
- ETH 016A Hispanic Roots and Culture
- ETH 018, 018H African American Culture and Humanities
- ETH 024 The Asian American Experience
- FRN 001, 002 First/Second Semester French
- FRN 003, 004 Third/Fourth Semester French
- FRN 001L, 002L French Laboratory (.5,.5)
- HIS 004A, 004B History of Western Civilization
- HIS 004AH, 004BH History of Western Civilization
- HIS 015, 015H World History to 1500
- HIS 016, 016H World History since 1500
- HIS 017A, 017AH History of the United States to 1877
- HIS 017B, 017BH History of the United States since 1877
- HIS 018, 018H African American Culture and Humanities
- HIS 020 Introduction to Asian Roots and Culture
- HIS 022 Introduction to Islam
- HIS 024 The Asian American Experience
- JPN 001, 002 First/Second Semester Japanese
- LIN 001 Introduction to Language and Linguistics
- PHI 001 Introduction to Philosophy
- PHI 003 Introduction to Problems in Ethics
- PHI 005 Introduction to Social and Political Philosophy
- POL 003 Introduction to Social and Political Philosophy
- POL 007 International Films
- SPA 001, 002 First/Second Semester Spanish
- SPA 003, 004 Third/Fourth Semester Spanish
- SPA 001L, 002L Spanish Laboratory (.5,.5)
- SPA 050A, 050B Basic Conversational Spanish
- VIE 001, 002 First/Second Semester Vietnamese
- 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/8 QUARTER UNITS)

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

- ANT 002 Introduction to Archaeology
- ANT 003 Cultural Anthropology
- ANT 055 Magic, Witchcraft and Religion
- BUS 061 Business and Society
- CHD 001 Child Growth and Development
- CHD 002 Child, Family and Community (FA11)
- CHD 013 Teaching in a Diverse Society (FA15)
- COU 055 Valuing Diversity
- ECN 001A Principles of Macroeconomics
- ECN 001B Principles of Microeconomics
- ECN 006 The Global Economy
- ETH 016A Hispanic Roots and Culture
- ETH 018, 018H African American Culture & Humanities
- ETH 024 The Asian American Experience
- ETH 044, 044H African American History
- GEO 002 Introduction to Cultural Geography
- GEO 006 World Regional Geography
- HIS 004A, 004AH, 004B, 004BH History of Western Civilization
- HIS 015, 015H World History to 1500
- HIS 016, 016H World History since 1500
- HIS 017A, 017AH, 017B, 017BH United States History
- HIS 020 History and Geography of California
- HIS 031 History of East Asia
- HIS 033, 33H Women’s Issues Past and Present
- HIS 044, 044H African American History
- HUM 007 International Films
- KIN 081 Sport in Society
- POL 001, 001H American Government
- POL 002 Comparative Government
- POL 004 International Relations
- POL 006 Politics of Race, Class and Gender
- POL 007 International Films
- POL 020 Controversial Legal Issues
- POL 045 Human Sexuality
- POL 045 Human Sexuality (Also SOC 045)
- PSY 001, 001H General Psychology
- PSY 007 Biological Psychology
- PSY 012 Human Growth and Development
- PSY 015, 015H Introduction to Research Methods
- PSY 025 Introduction to Abnormal Psychology
- PSY 030 Psychology of Addiction and Substance Abuse
- SJS 001 Social Justice
- SJS 002 Introduction to Gender Studies
- SJS 003 Introduction to LGBTQ Studies
- SJS 004 Marriage and Family
- SJS 005 Social Problems
- SJS 040 Marriage and Family
- SJS 045 Human Sexuality
- SOC 001, 001H Introduction to Sociology
- SOC 002, 002H Social Problems
- SOC 040 Marriage and Family
- SOC 045 Human Sexuality
- SOC 047 Sociology of Criminology
- SOC 050 Introduction to Criminal Law
- 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 Environmental Biology
- CHD 002 Child, Family and Community (FA11)
- CHD 013 Teaching in a Diverse Society (FA15)
- CHD 017 Child Health and Safety (FA12)
- COM 004 Small Group Communication
- COM 008 Interpersonal Communication
- COM 012 Introduction to Intercultural Communication
- COU 005 Strategies for Success
- COU 012 Careers and Lifestyles
- COU 017 Transfer Success and Life Transitions
- COU 055 Valuing Diversity (FA15)
- HOC 006 Personal Health and Lifestyle
- HOC 008 Community Health Problems
- KIN 068 Sport Psychology
- KIN 078 Introduction to Kinesiology
- KIN 079 Lifetime Fitness
- LIB 010, 010H Information Competency (1)
- NTR 015 Human Nutrition
- PSY 012 Human Growth and Development
- PSY 045 Human Sexuality
- SOC 012 Intercultural Communication
- SOC 040 Marriage and Family
- SOC 047 Sociology of Criminology
- SOC 050 Introduction to Criminal Law
- SOC 060 Community and Justice System (FA15)

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

ENG 013 Chicana/o-Latina/o Literature
ETH 013 Chicana/o-Latina/o Literature

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
- HIS 017A, 017AH or HIS 017B, 018H United States History
- HIS 044, 044H African American History
- HIS 044, 044H African American History

Requirements are subject to change after catalog publication.

Visit the ASSIST website at WWW.ASSIST.ORG for a complete listing of CSU transferable courses as well as updated general education and major requirements.
The Intersegmental General Education Transfer Curriculum for CSU (IGETC CSU) is a general education program which allows California Community College students to fulfill lower-division general education (GE) requirements for the CSU system without the need, after transfer, to take additional lower-division GE requirements. Sixty (60) UC transferable units of Major and GE courses with a grade of “C” (or P) 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 IGETC 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 (completion of all but 2 courses), and IGETC CSU for STEM Certification (for BIO AS-T only) are available. Please see Page 3 for certification details. All courses are 3 units unless otherwise noted. Completion of the pattern also satisfies requirements for Certificate of Achievement in Transfer Studies – IGETC CSU.

**AREA 1 - ENGLISH COMMUNICATION (3 courses, 9 semester/15 quarter units)**
Complete one course from each group.

**GROUP A: ENGLISH COMPOSITION**
- ENG 001A English Composition I
- ENG 001AX Intensive English Composition (5)
- \*UC credit limited to 3 units.

**GROUP B: CRITICAL THINKING**
- ENG 001B English Composition II (SP07)
- ENG 001C Clear Thinking in Writing
- PHI 003 Introduction to Problems in Ethics

**GROUP C: ORAL COMMUNICATION**
- COM 001, 001H Public Speaking
- COM 020, 020H Argumentation and Debate

**AREA 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING (1 course, 3 semester/4-5 quarter units)**
- MAT 000G Math for Liberal Arts Students (4)
- MAT 001 College Algebra (4)
- MAT 001X College Algebra with Additional Support (6, 5 for UC transfer)
- MAT 002 Pre-Calculus and Trigonometry (6, 5 for UC transfer)
- MAT 003A, 003AH, 003B Analytic Geometry and Calculus (5)
- MAT 004A Intermediate Calculus (4)
- MAT 004B Differential Equations (4)
- MAT 004C Linear Algebra (4)

**AREA 3 - ARTS AND HUMANITIES (3 courses, 9 semester/12-15 quarter units)**
One course must be selected from Arts, and one from Humanities. Biology AS-T majors can defer the third course until after transfer.

**GROUP 3A: ARTS**
- ART 001A Survey of Western Art I
- ART 001B Survey of Western Art II
- ART 001D Survey of Modern Art
- ART 001A, 001B Human Values in and from the Arts
- ARB 002 Second Semester Arabic (5)
- CHI 002 Second Semester Chinese (5)
- COM 012 Intercultural Communication
- ENG 005A, 005B English Literature
- ENG 006B World Literature
- ENG 007A, 007B American Literature
- ENG 012 African American Literature
- ENG 013 Chicana/o-Latina/o Literature
- ENG 015 Introduction to Film Analysis
- ENG 043 Classical Mythology
- ENG 048 Introduction to Shakespeare
- ETH 012 African American Literature
- ETH 013 Chicana/o-Latina/o Literature
- ETH 016A Hispanic Roots and Culture
- ETH 018, 018H African American Culture and Humanities
- ETH 024 The Asian American Experience
- FRN 002, 003, 004 French – Elementary, Intermediate, Advanced (Sea)
- HIS 004A, 004AH, 004B, 004BH History of Western Civilization
- HIS 015, 015H World History to 1500 (FA15)
- HIS 016, 016H World History since 1500 (FA15)
- HIS 017A, 017AH History of the United States to 1877 (FA15)
- HIS 017B, 017BH History of the United States since 1877 (FA15)
- HIS 033, 033H Women’s Issues Past and Present (FA16)
- HIS 017A, 017AH History of the United States to 1877 (FA15)
- HIS 017B, 017BH History of the United States since 1877 (FA15)
- HIS 033, 033H Women’s Issues Past and Present (FA16)
- HIS 001A, 001B Human Values in and from the Arts
- HUM 007 International Film
- HUM 015 Introduction to Film Analysis
- HUM 016A Hispanic Roots and Culture
- HUM 018 African American Culture & Humanities
- HUM 018H African American Culture & Humanities – Honors (FA17)
- HUM 020 Asian Roots and Culture
- HUM 022 Introduction to Islam
- JPN 002 Second Semester Japanese – Elementary (5)
- LNG 001 Introduction to Language and Linguistics
- PHI 001 Introduction to Philosophy
- PHI 005 Introduction to Social and Political Philosophy
- POL 003 Introduction to Social and Political Philosophy
- POL 007 International Films
- SPA 002, 003, 004 Spanish – Elementary, Intermediate, Advanced (Sea)
- VIE 002 Second Semester Vietnamese – Elementary (5)
- VIE 049A, 049B Vietnamese Language & Culture for Fluent Speakers
### ACADEMIC PROGRAMS

**BIO 011** Human Biology (4)

One of the selected science courses from above must be a laboratory course. Lab courses are underlined.

**BIO 010L** Introduction to Biology Lab (1)

* **BIO 010** Introduction to Biology

**CHM 012A, 012AH, 012B, 012BH** Organic Chemistry (5 ea)

**CHM 002L** Introductory Chemistry Lab (1)

* **CHM 002** Introductory Chemistry

* **CHM 001A, 001AH, 001B, 001BH** General Chemistry (5 ea)

For students who are considering UC transfer: **AREA 6 – LANGUAGE OTHER THAN ENGLISH**

1. ARB 001, CHI 001, FRN 001, JPN 001, SPA 001, or other first level language course or higher
2. A score of 3 or higher on the Foreign Language AP Exam or 5 or higher on the IB HL Exam
3. Satisfactory score on the SAT II: Subject Test in languages other than English
4. Satisfactory 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
5. Verified competency by a CCC, CSU, or UC faculty member. IGETC LOTE Certification Form required.

**MC Office of Articulation Requirements, 2022-2023, Page 2**

**AREA 5 - PHYSICAL AND BIOLOGICAL SCIENCES (2 courses, 7-9 semester/9-12 quarter units)**

Complete one course from the Biological Sciences and one from the Physical Sciences. One of the two must have a lab (labs are underlined).

**GROUP 5A: PHYSICAL SCIENCES**

**AST 001** Astronomy

**AST 003, 003H** Astronomy with Lab (4)

**AST 004** Astrobiology

* **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 (5 ea)

* **CHM 030A** Fundamentals of Chemistry (4)

**GROUP 5B: BIOLOGICAL SCIENCES**

**ANT 001 Biological Anthropology**

**ANT 001L** Biological Anthropology Lab

**BIO 001A, 001AH** General Biology: Cells (5 ea)

**BIO 001B** 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 Emerging Infectious Disease**

**BIO 014, 014H Introduction to Neuroscience**

**BIO 015 Human Genetics**

**POL 001, 001H** American Government

**POL 002 Comparative Government**

**POL 003 Introduction to Social and Political Philosophy**

**POL 004 International Relations**

**POL 005 Political Science Research Methodology**

**POL 006 Politics of Race, Class, and Gender**

**POL 020 International Relations**

**PSY 001, 001H** General Psychology

**PSY 007 Biological Psychology**

**PSY 010 Social Psychology**

**PSY 012 Human Growth and Development**

**PSY 015, 015H** Introduction to Research Methods

**PSY 025 Introduction to Abnormal Psychology**

**PSY 045 Human Sexuality** (Also SOC 045)

**SJS 001 Social Justice**

**SJS 002 Introduction to Gender Studies**

**SJS 003 Introduction to LGBTQ Studies**

**SOC 001 001H** Introduction to Sociology

**SOC 002 002H** Social Problems

**SOC 021 Sociology of Minorities in the U.S.**

**SOC 040 Marriage and Family**

**SOC 045 Human Sexuality**

**SOC 047 Sociology of Criminology**

**SOC 050 Introduction to Criminal Justice**

**SOC 060 Community and Justice System** (FA15)

**GROUP SC. LABORATORY REQUIREMENT**

One of the selected science courses from above must be a laboratory course. Lab courses are underlined.

**CSU GRADUATION REQUIREMENT - U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS (2 courses)**

Depending on the CSU campus, courses used to meet this requirement may be used to satisfy requirements for IGETC CSU.

**POL 001, 001H** + one of the following: **HIS 017A, 017AH or HIS 017B, 017BH or HIS 044, 044H or ETH 044, 044H**

For students who are considering UC transfer: **AREA 6 – LANGUAGE OTHER THAN ENGLISH**

Proficiency equivalent to two years of high school study in the same language with a grade of "C" or better OR completion of one of the following (documentation required):

1. ARB 001, CHI 001, FRN 001, JPN 001, SPA 001, or other first level language course or higher
2. A score of 3 or higher on the Foreign Language AP Exam or 5 or higher on the IB HL Exam
3. Satisfactory score on the SAT II: Subject Test in languages other than English
4. Satisfactory 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
5. Verified competency by a CCC, CSU, or UC faculty member. IGETC LOTE Certification Form required.

*Transfer credit may be limited by either the UC or CSU or both. Visit [www.assist.org](http://www.assist.org) for specific limitations.*

**Courses may be taken to satisfy only one Area Requirement**
The Intersegmental General Education Transfer Curriculum for UC (IGETC UC) is a general education program which allows California Community College students to fulfill lower-division general education (GE) requirements for the UC system without the need, after transfer, to take additional lower-division GE requirements. Sixty (60) UC TRANSFERABLE units of Major and GE courses with a grade of “C” (or P) 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 IGETC 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 (completion of all but 2 courses), and IGETC for STEM Certification (for BIO AS-T only) are available. Please see Page 3 for certification details. All courses are 3 units unless otherwise noted. Completion of the pattern also satisfies requirements for Certificate of Achievement in Transfer Studies – IGETC UC.

Area 1 - English Communication (2 courses, 6 semester/9 quarter units)
Complete one course from both Groups.

**Group A: English Composition**
- ENG 001A English Composition I
- *ENG 001AX Intensive English Composition (5, 3 for UC transfer)

**Group B: Critical Thinking**
- ENG 001B English Composition II (SP07)
- ENG 001C Clear Thinking in Writing

**Note:** Students considering CSU transfer must also complete COM 001 or 020

**Area 2 - Mathematical Concepts and Quantitative Reasoning (1 course, 3 semester/4-5 quarter units)**
- MAT 000G Math for Liberal Arts Students (4)
- *MAT 001 College Algebra (4)
- *MAT 001X College Algebra with Additional Support (6, 4 for UC transfer)
- *MAT 002 Pre-Calculus and Trigonometry (6, 5 for UC transfer)
- *MAT 003A, 003AH, 003B Analytic Geometry and Calculus (5)
- MAT 004A Intermediate Calculus (4)
- MAT 004B Differential Equations (4)
- MAT 004C Linear Algebra (4)

**Area 3 - Arts and Humanities (3 courses, 9 semester/12-15 quarter units)**
One course must be selected from Arts, and one from Humanities. Biology AS-T majors can defer the third course until after transfer.

**Group 3A: Arts**
- ART 001A Survey of Western Art I
- ART 001B Survey of Western Art II
- ART 0010 Survey of Modern Art
- ART 004 Art Appreciation
- ART 007 Survey of Asian Art
- ART 011 The History of Modern Design
- GDS 011 The History of Modern Design

**Group 3B: Humanities**
- ARB 002 Second Semester Arabic (5)
- CHI 002 Second Semester Chinese (5)
- COM 012 Intercultural Communication
- ENG 005A, 005B English Literature
- ENG 006B World Literature
- ENG 007A, 007B American Literature
- ENG 012 African American Literature
- ENG 013 Chicana/o-Latina/o Literature
- ENG 015 Introduction to Film Analysis
- ENG 043 Classical Mythology
- ENG 048 Introduction to Shakespeare
- ETH 012 African American Literature
- ETH 013 Chicana/o-Latina/o Literature
- ETH 016A Hispanic Roots and Culture
- ETH 018, 018H African American Culture and Humanities
- ETH 024 The Asian American Experience
- FRN 002, 003, 004 French – Elementary, Intermediate (Sea)
- HIS 004A, 004AH, 004B, 004BH History of Western Civilization
- HIS 015, 015H World History to 1500 (FA15)
- HIS 016, 016H World History since 1500 (FA15)

**Group 3C: Social Science**
- PHI 001 Introduction to Philosophy
- PHI 005 Introduction to Social and Political Philosophy
- POL 003 Introduction to Social and Political Philosophy
- POL 007 International Films
- SPA 002, 003, 004 Spanish – Elementary, Intermediate (Sea)
- VIE 002 Second Semester Vietnamese – Elementary (5)
- VIE 049A, 049B Vietnamese Language & Culture for Fluent Speakers
### Area 4 - Social and Behavioral Sciences (3 courses, 9 semester/12-15 quarter units)
Complete at least three courses from at least two disciplines. Biology AS-T majors can defer 1 course until after transfer.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>BIO 015 Human Genetics</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>HIS 017A, 017B United States History</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

### Area 5 - Physical and Biological Sciences (2 courses, 7-9 semester/9-12 quarter units)
Complete one course from the Biological Sciences and one from the Physical Sciences. One of the two must have a lab (labs are underlined).

<table>
<thead>
<tr>
<th>Group 5A: Physical Sciences</th>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Astronomy</td>
<td>AST 001 Astronomy</td>
<td>4</td>
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</tr>
<tr>
<td>Anatomy</td>
<td>ANT 002 Introduction to Anatomy</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>General Chemistry</td>
<td>*CHM 001A General Chemistry (Sea)</td>
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</tr>
<tr>
<td>Introductory Chemistry</td>
<td>*CHM 002 Introductory Chemistry</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Organic Chemistry</td>
<td>*CHM 002L Introductory Chemistry Lab (1)</td>
<td>5</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Group 5B: Biological Sciences</th>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>ANT 001 Biological Anthropology</td>
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</tr>
<tr>
<td>Biology</td>
<td>BIO 004 Microbiology</td>
<td>5</td>
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</tr>
<tr>
<td>General Biology: Cells</td>
<td>BIO 001A General Biology: Cells (Sea)</td>
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<tr>
<td>General Biology: Organisms</td>
<td>BIO 001B General Biology: Organisms (5)</td>
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<tr>
<td>Introduction to Biology</td>
<td>BIO 010 Introduction to Biology</td>
<td>5</td>
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<tr>
<td>Introduction to Biology</td>
<td>BIO 010L Introduction to Biology Lab (1)</td>
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</tr>
<tr>
<td>Human Biology</td>
<td>BIO 011 Human Biology (4)</td>
<td>5</td>
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<tr>
<td>Emerging Infectious Disease</td>
<td>BIO 012 Emerging Infectious Disease</td>
<td>5</td>
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<tr>
<td>Introduction to Neuroscience</td>
<td>BIO 014, 014H Introduction to Neuroscience</td>
<td>5</td>
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<tr>
<td>Genetics</td>
<td>BIO 015 Human Genetics</td>
<td>5</td>
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<tr>
<td>Microbiology</td>
<td>BIO 004 Microbiology</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>General Biology: Cells</td>
<td>BIO 001A General Biology: Cells (Sea)</td>
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<td>General Biology: Organisms</td>
<td>BIO 001B General Biology: Organisms (5)</td>
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<td>Introduction to Biology</td>
<td>BIO 010 Introduction to Biology</td>
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<td>Emerging Infectious Disease</td>
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<tr>
<td>Genetics</td>
<td>BIO 015 Human Genetics</td>
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<tr>
<td>Marine Biology</td>
<td>BIO 016 Marine Biology</td>
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</tr>
</tbody>
</table>

### Group 5C: Laboratory Requirement
One of the selected science courses from above must be a laboratory course. Lab courses are underlined.

### Area 6 - Language Other Than English (0-5 semester/0-7.5 quarter units)
Biology AS-T majors can defer until after transfer.

1. ARB 001, CHI 001, FRN 001, JPN 001, SPA 001, VIE 001, or other first level language course or higher
2. A score of 3 or higher on the Foreign Language AP Exam or 5 or higher on the IB HL Exam
3. Satisfactory score on the SAT II: Subject Test in languages other than English
4. Satisfactory 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.
5. Verified competency by a CCC, CSU or UC faculty member. IGETC LOTE Certification Form required.

Transfer credit may be limited by either the UC or CSU or both. Visit www.assist.org for specific limitations. Courses may be taken to satisfy only one Area Requirement.
FREQUENTLY ASKED QUESTIONS ABOUT IGETC

Is IGETC right for me?
Maybe. The IGETC is advisable for students who have not yet decided on a major or a particular campus and who want to keep their options open before making a final decision about transferring to either a UC or CSU campus. IGETC is not advisable for students who choose majors with substantial lower division prerequisites, such as engineering or science. See chart below.

Do I have to complete IGETC to transfer to a CSU or UC?
No. The IGETC is not a requirement for transfer to CSU or most UCs, nor is it the only way to fulfill the lower-division, general education requirements. Depending on a student’s major, the student may find it better to take courses fulfilling the CSU’s General Education requirements or those of the UC campus or college to which the student plans to transfer.

I have completed courses at other colleges. Will they count toward IGETC?
Yes. Courses that are completed at any US regionally accredited college can be used in the IGETC certification. Students should be aware, however, that coursework from other California community colleges will be applied in the IGETC category determined by the original college. Courses taken at a foreign institution not accredited by a US regionally accrediting association are NOT permitted for certification on the IGETC.

Will the courses I take as transfer requirements for my major be counted toward IGETC?
Yes. UC will allow requirements completed as preparation for the major to be used in the IGETC whenever they appear, unless otherwise noted on ASSIST.

I have passed an AP or IB test. Can my test scores be used to satisfy an IGETC requirement?
Yes. AP scores of 3 or higher can be used to satisfy any IGETC subject area except Critical Thinking and Oral Communication. Even though credit for more than one course can be awarded by Mission College for AP scores of 3 or higher, only one course in the subject for which the AP test was taken can be used on the IGETC. And a score of 5, 6 or 7 on Higher Level exams can grant credit for IGETC certification. Please see the Mission College catalog for specific credit information. CLEP, SAT or ACT exams cannot be used.

Do courses completed need a minimum grade for certification?
Yes. Only grades of “C” or better will be accepted and Pass/No Pass courses are acceptable only if the college catalog defines credit as equivalent to a letter grade of “C” or better (as it does at Mission). A "C-” grade valued at less than 2.0 grade points on a 4.0 scale cannot be used for IGETC certification.

How do I complete the IGETC?
The IGETC can be certified for California community college transfers who have also completed transfer units at a CSU, UC or independent college provided that the student has completed most of the transfer units at one or more California community colleges. Students who initially enroll at a UC campus, then leave and attend a community college, and subsequently return to the same campus are considered “readmits” by the University and cannot use the IGETC. However, students who enroll at a UC campus, then leave and attend a community college, and subsequently return to a different UC campus may be able to use the IGETC, but students need to check with the campus they wish to attend.

What is IGETC for STEM?
IGETC CSU for STEM and IGETC UC for STEM are separate IGETC tracks available for students planning to major in science, technology, engineering, or mathematics which will allow them to defer all of the following until after transfer:

- One course in Area 3
- One course in Area 4
- One course in Area 6 (for UC bound students who have not satisfied it through proficiency)

These deferred lower division courses must be replaced with calculus and/or science courses required by the major before transfer. The UC will accept IGETC for STEM only if a student is earning an Associate Degree for Transfer in Biology or Chemistry at a community college that offers IGETC for STEM as an option for those degrees. For Mission College, this applies only to the Biology AS-T.

I am a UC transfer. Do I need to complete Area 1C if I am pursuing an Associate Degree for Transfer (AA-T/AS-T)?
- Yes. Although available for all students, the AA-T and AS-Ts are CSU programs and therefore, communication is required. However, if you are a UC-bound student with no plans for CSU transfer, you have the option of waiving Area 1C with the IGETC Area 1C Waiver Request.

What is partial certification?
Partial certification is defined as completing all but two (2) courses on the IGETC pattern (Areas 1 and 2 excluded). These two requirements can be met after transfer with an approved IGETC course from a CCC or a course approved by the UC/CSU campus of attendance from a US regionally accredited institution.

When do I certify the IGETC?
IGETC certification must be requested in the Records Office prior to transfer. THIS IS NOT AN AUTOMATIC PROCESS! All necessary documentation (secondary or other college transcripts) must be submitted to the Records Office prior to this request. Valid IGETC courses must appear on Mission’s IGETC plan the year in which they are taken. Students who leave the college, breaking continuous enrollment, will be placed under the IGETC plan in effect for the year that they return.

Requirements are subject to change after catalog publication.
Visit the ASSIST website at WWW.ASSIST.ORG for a complete listing of CSU and UC transferable courses as well as updated IGETC and major requirements.