This addendum to the 2013-2015 College Catalog is provided to notify you of corrections to content and changes to college policy, programs, courses, admission and graduation requirements and staff updates which have occurred since the catalog was published in July 2013.

This addendum is divided into the following categories:

GE ADVISING GUIDES
PROGRAMS
COURSES
INACTIVATED COURSES
CLASSIFIED, FACULTY and ADMINISTRATION

Changes in Rules and Policies
Although every effort has been made to assure the accuracy of the information in this catalog addendum, students and others who use this catalog addendum should note the laws, rules and policies change and that these changes may alter the information contained in this publication. Changes may come in the form of statutes enacted by the Legislature, rules and policies adopted by the Board of Trustees of West Valley – Mission Community College District, or by the Chancellor or designee of the institution.
MISSION COLLEGE

GRADUATION REQUIREMENTS 2014-2015

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. 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 become 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 competency 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, mathematics, and information competency.

1. RESIDENCE: A minimum of 12 degree applicable units must be completed at either college within WVMCCD.
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. Successful completion of the proficiency exam with a score ranging from 12th to 13th grade level, or
B. A grade of C (or “P”) or better in Reading 054, Critical College Reading and Thinking (previously READ 053, in Area A2).

Writing:
Completion of the English 001A, English Composition, with a grade of C or better (in Area A1).

Oral Communication:
A. Successful completion of the proficiency exam or
B. A grade of C (or “P”) or better in:
   - COMM 001 or COMM 020 for the A.A. Degree
   - COMM 001, COMM 004, COMM 015 or COMM 020 for the A.S. Degree

Mathematics:
A. Successful completion of the proficiency exam, or
B. A grade of C (or “P”) or better in Math 000C, MATH 000CG, 000CM or higher Math course.

Information Competency:
A. Successful completion of the proficiency exam, or.
B. A grade of C (or “P”) or better in LIB 010 (in Area E)

5. AREA REQUIREMENTS (GENERAL EDUCATION): Complete a minimum of 24 units from the following areas plus additional courses to meet unit requirement (all courses are three (3) semester units unless otherwise noted):

   AREA A – LANGUAGE AND RATIONALITY – 6 semester/9 quarter units minimum
   1. English Composition course
      - ENGL 001A English Composition I
   2. One additional course:
      - COMM 001, 001H Public Speaking
      - COMM 004 Small Group Communications
      - COMM 015 Fundamentals of Communication
      - COMM 020020H Argumentation and Debate
      - ENGL 001B English Composition
      - ENGL 001C Clear Thinking in Writing
      - ENGR 030, Intro to Computing for Engineers
      - FRNCH 003, 4, 5, 6 Intermediate/Advanced Language (5ea)
      - JPNS 003A+003B Intermediate Japanese (6 total)
      - JPNS 004A Intermediate Japanese II
      - MATH 000C, CG, CM or a more advanced Math course (5 units)
      - PHIL 002 Logic
      - PHIL 003 Introduction to Ethics
      - READ 054 Critical College Reading & Thinking (previously READ 053)
      - SPAN 003, 4, 5, 6 Intermediate/Advanced Language (5ea)

   AREA B – NATURAL SCIENCES – 3semester/4 quarter units minimum
   These courses examine the physical universe, its life forms and its natural phenomena. Courses with a lab are underlined.
   - ANTHR 001 Physical Anthropology
   - ANTHR 001L Physical Anthropology Lab (1)
   - ASTRO 001 Astronomy
   - ASTRO 002 Astronomy Lab (1)
   - ASTRO 003 Astronomy with Lab (4)
   - BIOSC 004 Microbiology (5)
   - BIOSC 008 Exploring Biology
   - BIOSC 010 Introduction to Biology (4)
   - BIOSC 010 Introduction to Biology
   - BIOSC 010L Introduction to Biology Lab (1)
   - BIOSC 011 Human Biology (4)
   - BIOSC 012 Emerging Infectious Disease
   - BIOSC 015 Human Genetics
   - BIOSC 016 Marine Biology (4)
   - BIOSC 022 Anat & Physiology for Allied Health Workers (4)
   - BIOSC 025 Environmental Biology
   - BIOSC 030 Tropical Ecology (4)
   - BIOSC 041, 42, 43 Principles of Animal, Plant, Cell/Mol Biology (5ea)
   - BIOSC 043H Principles of Cell & Molecular Biology - Honors
   - BIOSC 047, 048 Human Anatomy, Physiology (5ea)
   - BIOSC 048H Human Physiology - Honors
   - CHEM 001A,001B General Chemistry (5ea)
   - CHEM 001AH,001BH General Chemistry – Honors (5ea)
   - CHEM 002 Introductory Chemistry (4)
   - CHEM 002 Introduction to Chemistry
   - CHEM 002L Introduction to Chemistry Lab (1)
   - CHEM 012A,012B Organic Chemistry (5ea)
   - CHEM 030A,030B Fundamentals of Chemistry (4)
   - ENGR 003 How Everyday Technology Works (4)
   - GEOG 001 Introduction to Physical Geography
   - NS 015 Human Nutrition
   - NS 052 Nutrition for Children
   - PHYS 002A,002B General Physics (5ea)
   - PHYS 004A,004B,004C Engineering Physics (5ea)
   - PHYS 004D Engineering Physics - Atomic (2)
   - PHYS 010 Introduction to Physics (4)
   - PSYCH 007 Biological Psychology
AREA C – HUMANITIES – 3semester/4 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.**

- ARAB 50A, 50B Beginning Conversational Arabic and Culture
- ART 001A Survey of Western Art
- ART 001B Survey of Western Art
- ART 001D Art of the 20th Century
- ART 004 Art Appreciation
- ART 007 Survey of Asian Art
- ART 011 The History of Modern Design (Also GDES 011)
- ART 031A,B Drawing
- ART 033A Basic Design: Two-Dimensional
- ART 033B Basic Design: Three-Dimensional
- ART 034A,B Introduction to/Advanced Digital Art
- ART 035A,B Life Drawing
- ART 039A Survey of Printmaking
- ART 047A,B Watercolor
- ART 049A,B Painting
- ART 065A,B Ceramics-Handbuilding
- ART 067A,B Ceramics-Potter’s Wheel
- ART 075A,B Metalsmithing
- ART 078A,B Furniture Design and Construction
- ART 085A,B Sculpture
- ART 088A,B Metal Sculpture Casting
- CHIN 050A,B Basic Conversational Chinese
- COMM 012 Intercultural Communication
- ENGL 001B English Composition
- ENGL 005A,B English Literature
- ENGL 006B World Literature
- ENGL 007A,B American Literature
- ENGL 012 African American Literature
- ENGL 014 Native American Literature
- ENGL 015 Intro. to Film Analysis (Also HUMAN 015)
- ENGL 018 Asian American Literature
- ENGL 043 Classical Mythology
- ENGL 048 Introduction to Shakespeare
- ENGL 070 Creative Writing
- FRNCH 001,2 First/Second Semester French - Elementary (5ea)
- FRNCH 003,4 Third/Fourth Semester French - Intermediate (5ea)
- FRNCH 005,6 Fifth/Sixth Semester French - Advanced (5ea)
- FRNCH 001L, 2L French Lab (0.5 ea)
- FRNCH 050A,B Beginning Conversational Italian & Culture
- FRNCH 051A,B Intermediate Conversational Italian & Culture
- GDES 011 The History of Modern Design (Also ART 011)
- GDES 013 Creativity and Visual Comm (Also HUMAN 013)
- GDES 014 The Art of Photography
- GDES 015 Photo-media and Social Change
- GDES 073 Digital Photography
- GLOBL 005 Global Focus
- HUMAN 001A,B Human Values in and from the Arts
- HUMAN 007 International Films (Also POLIT 007)
- HUMAN 013 Creativity and Visual Communication (Also GDES 013)
- HUMAN 015 Intro to Film Analysis (Also ENGL 015)
- HUMAN 016A Hispanic Roots and Culture
- HUMAN 018 African American Culture/Humanities
- HUMAN 020 Asian Roots and Culture
- HUMAN 022 Introduction to Islam
- HUMAN 030, Cultural Studies
- ITAL 001,2 First/Second Semester Italian - Elementary Level (5)
- ITAL 001L 2L Italian Laboratory (.5)
- ITAL 050A,B Beginning Conversational Italian & Culture
- ITAL 051A,B Intermediate Conversational Italian & Culture
- JPNS 001,2 First/Second Semester Japanese - Elementary (5 ea)
- JPNS 003A,B Intermediate Japanese
- JPNS 004A Intermediate Japanese
- KIN 041 – 048 All Dance Classes see catalog for complete course titles and units
- KIN 080 Dance Appreciation (formerly WHP 040)
- LATIN 001 Elementary Latin
- MUSC 001 Music History and Literature
- MUSC 002 Music History and Literature
- MUSC 005A Fundamentals of Music Lecture
- MUSC 010 Music Appreciation
- MUSC 016 History of Rock Music
- MUSC 017 Musics of the World
- MUSC 030A,B/031A,B Beginning/Intermediate Piano (1 ea)
- MUSC 032A,B/033A,B Beginning/Intermediate Voice (1 ea)
- MUSC 036A,B Beginning Guitar (1 ea)
- PHIL 001 Introduction to Philosophy
- PHIL 002 Logic
- PHIL 003 Introduction to Problems in Ethics
- PHIL 005 Introduction to Social and Political Philosophy (Also POLIT 003)
- POLIT 003 Introduction to Social and Political Philosophy (Also PHIL 005)
- PORTG 049A,B Portuguese for the Portuguese Speaking
- PORTG 050A,B Basic Conversational Portuguese and Culture
- PORTG 051A,B Intermediate Conversational Portuguese
- RUSS 040 Beginning Conversational Russian and Culture
- SPAN 001,2 First/Second Semester Spanish - Elementary (5ea)
- SPAN 001L,2L Spanish Lab (.5ea)
- SPAN 003,4 Third/Fourth Semester Spanish - Intermediate (5ea)
- SPAN 005,6 Fifth/Sixth Semester Spanish - Advanced (5ea)
- SPAN 049A,B Spanish for the Heritage or Native Speakers (3 ea)
- SPAN 050A,B Basic Conversational Spanish
- SPAN 051A,B Intermediate Conversational Spanish
- VIET 001,2 First/Second Semester Vietnamese - Elementary (5ea)
- VIET 001L2L Vietnamese Laboratory (.5 ea)
- VIET 049A,B Vietnamese Language & Culture for Fluent Speakers
- VIET 050A Basic Conversational Vietnamese

AREA D — SOCIAL & BEHAVIORAL SCIENCES – 6 semester/9 quarter units minimum

**Series 1:** American History and Institutions: 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:

- HIST 017A, 017AH History of United States to 1877
- HIST 017B, 017BH History of United States since 1877
- HIST 020 History and Geography of California
- POLIT 001 American Government
AREA D — SOCIAL & BEHAVIORAL SCIENCES CONTINUED

Series 2: Social and Behavioral Sciences: These courses deal with human, social, psychological, political, and economic institutions and behavior and their historical background, selected from among the following:

- ANTHR 003 Cultural Anthropology
- ANTHR 039B American Cultures through Travel and Experience: Urban Cultures of San Francisco (Also SOC 039B)
- ANTHR 045 Human Sexuality (Also PSYCH/SOC 045)
- ANTHR 051 Culture & Food: A Multicultural Food Survey & Sampling
- ANTHR 055 Magic, Witchcraft, & Religion
- BUS 061 Business and Society
- CHD 001 Child Growth & Development
- CHD 002 Child, Family and Community
- CHD 053 Contemporary Education in a Changing Society
- COMM 025 Mass Communication and Society
- COUNS 055 Valuing Diversity
- ECON 001A Principles of Macroeconomics
- ECON 001B Principles of Microeconomics
- ECON 006 The Global Economy (Also GLOBL 006)
- GEOG 001A The State of the World (Also GLOBL 001A)
- GEOG 002 Introduction to Cultural Geography
- GEOG 004 The Developing World (Also GLOBL 004)
- GLOBL 001 Global Perspectives (Also SOCSOC 001)
- GLOBL 001A State of the World (Also GEOG 001A)
- GLOBL 002 Global Issues
- GLOBL 004 The Developing World (Also GEOG 004)
- GLOBL 005 Global Focus
- GLOBL 006 The Global Economy (Also ECON 006)
- HIST 004A,B History of Western Civilization
- HIST 017A,017AH, 017B, 017BH United States History
- HIST 015 World History to 1500
- HIST 016 World History since 1500
- HIST 020 History and Geography of California
- HIST 031 History of East Asia
- HUMAN 016A Hispanic Roots and Culture
- POLIT 001 American Government
- POLIT 002 Comparative Government
- POLIT 004 International Relations
- PSYCH 001, 001H General Psychology
- PSYCH 002A Experimental Psychophysiology (4)
- PSYCH 007 Biological Psychology
- PSYCH 010 Social Psychology
- PSYCH 045 Human Sexuality (Also ANTHR/SOC 045)
- PSYCH 048 Introduction to Child and Adolescent Psychology
- PSYCH 055 Psychology of Death & Dying
- SOC 001 Introduction to Sociology
- SOC 002 Social Problems
- SOC 021 Sociology of Minorities in the U.S.
- SOC 024 Social Aspects of Aging
- SOC 038 American Culture through Film
- SOC 039B American Cultures through Travel and Experience: Native American Cultures of the Southwest
- SOC 040 Marriage and Family
- SOC 041 Family Issues
- SOC 043 Sociology of Religion
- SOC 045 Human Sexuality (Also ANTHR/PSYCH 045)
- SOC 046 Advanced Human Sexuality: Current Issues
- SOC 047 Sociology of Criminology
- SOC 050 Introduction to Criminal Justice
- SOCSOC 001 Global Perspectives (Also GLOBL 001)
- PSYCH 046 Advanced Human Sexuality: Current Issues
- PSYCH 055 Psychology of Death & Dying
- SOC 002 Social Problems
- SOC 021 Sociology of Minorities in the U.S.
- SOC 040 Marriage and Family
- SOC 045 Human Sexuality

Area E — Lifelong Learning — 3 semester/4 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 acquire the skills necessary to adapt to change, gain self-understanding, and set achievable goals, and which include consideration of such matters as cognitive, affective and psycho-motor development, health, stress management, and key relationships of humans to their social and physical environment.

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.

- ANTHR 045 Human Sexuality (Also PSYCH/SOC 045)
- BIOSC 025 Environmental Biology
- BUS 061 Business and Society
- CHD 002 Child, Family and Community
- COMHHL 010 Community Health Problems
- COMM 001 College Survival (2)
- COMM 003 Strategies for Professional and Personal Growth (2)
- COMM 005 Strategies for Success
- COMM 012 Introduction to Intercultural Communication
- COUNS 001 College Survival (2)
- COUNS 003 Strategies for Professional and Personal Growth (2)
- COUNS 005 Strategies for Success
- COUNS 012 Careers and Life Styles
- COUNS 012A Careers and Life Styles (1)
- COUNS 023 Becoming a Master Student-Athlete (2)
- COUNS 055 Valuing Diversity
- GLOBAL 001 Global Perspectives
- GLOBL 002 Global Issues
- H ED 002 Health and Lifestyle
- KIN 078 Introduction to Kinesiology (formerly WHP 030)
- LIB 010 Information Competency (1)
- LIB 010H Information Competency (1)
- NS 015 Human Nutrition
- PSYCH 012 Human Growth and Development
- PSYCH 025 Introduction to Abnormal Psychology
- PSYCH 030 Psychology of Addiction and Substance Abuse
- PSYCH 033 The Psychology of Personal Growth
- PSYCH 040 Environmental Psychology
- PSYCH 045 Human Sexuality (Also ANTHR/SOC 045)
- PSYCH 048 Introduction to Child and Adolescent Psychology
- PSYCH 055 Psychology of Death & Dying
- SOC 002 Social Problems
- SOC 021 Sociology of Minorities in the U.S.
- SOC 040 Marriage and Family
- SOC 045 Human Sexuality
- SOC 046 Advanced Human Sexuality: Current Issues
- PSYCH 007 Biological Psychology
- PSYCH 010 Social Psychology
- PSYCH 045 Human Sexuality (Also ANTHR/SOC 045)
- PSYCH 048 Introduction to Child and Adolescent Psychology
- PSYCH 055 Psychology of Death & Dying
- SOCIAL 038 American Culture through Film
- SOCSOC 001 Global Perspectives (Also GLOBL 001)

Note: Associate Degree requirements are not necessarily the same as general education needed to transfer, nor is an Associate Degree needed in order to transfer. Please visit www.ASSIST.org or the Counseling Office for transfer requirements.
## Associate in Arts/Associate in Science

### Advising Sheet

<table>
<thead>
<tr>
<th>Area A</th>
<th>Language &amp; Rationale</th>
<th>6 semester/9 quarter units minimum, one course from A1 and one from A2</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>A1: English Composition</strong></td>
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<tr>
<td></td>
<td>ENGL 1A</td>
<td>Course(s) from other college(s)/AP Exams:</td>
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<td><strong>A2: One Additional Course:</strong></td>
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<td>CIS 2: COMM 1, 1H, 4, 15, 20, 20H; ENGL 1B, 1C; ENGR 30; FRNCH 3, 4, 5, 6; JPNS 3A-3B, 4A; MATH B, C, CG, CM, D, G, 1, 2, 3A, 3B, 4A, 4B, 4C, 8, 10, 12, 14, 19; PHIL 2, 3; READ 53, 54; SPAN 3, 4, 5, 6; Course(s) from other college(s)/AP Exams:</td>
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<tr>
<th>Area B</th>
<th>Natural Science</th>
<th>3 semester/4 quarter units minimum</th>
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<tbody>
<tr>
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<td>ANTHR 1, 1L; ASTRO 1, 2, 3; BIOSC 4, 8, 10, 10L, 11, 12, 15, 16, 22, 25, 30, 41, 42, 43, 43H, 47, 48, 48H; CHEM 1A, 1AH, 1B, 1BH, 2, 2L, 12A, 12B, 30A, 30B; ENGR 3; GEOG 1; NS 15, 52; PHYS 2A, 2B, 4A, 4B, 4C, 4D, 10; PSYCH 7</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<th>Area C</th>
<th>Arts and Humanities</th>
<th>3 semester/4 quarter units minimum</th>
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<tbody>
<tr>
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<td>ARAB 50A, 50B; ART 1A, 1B, 1D, 4, 7, 11, 31A, 31B, 33A, 33B, 34A, 34B, 35A, 35B, 37A, 37B, 39A, 47A, 47B, 49A, 49B, 65A, 65B, 67A, 75A, 75B, 78A, 78B, 85A, 85B, 88A, 88B; CHIN 50A, 50B; COMM 12; ENGL 1B, 5A, 5B, 6B, 7A, 7B, 15, 18, 43, 48, 70; FRNCH 1, 1L, 2, 2L, 3, 4, 5, 6, 50A, 50B, 51A, 51B, 62; GDES 11, 12, 13, 15, 14, 73; GLOBL 5; HUMAN 1A, 1B, 7, 13, 15, 16A, 18, 20, 22, 30; ITAL 1, 1L, 2, 2L, 50A, 50B, 51A, 51B; JPNS 1, 2, 3A, 3B, 4A, 50A, 50B; KIN 80, all dance courses; LATIN 1, MUSIC 1, 2, 5A, 10, 16, 17, 30A, 30B, 31A, 31B, 32A, 32B, 33A, 33B, 36A, 36B; PHIL 1, 2, 3, 5; POLIT 3; PORTG 49A, 49B, 50A, 50B, 51A, 51B; SPAN 1, 1L, 2L, 3, 4, 5, 6, 49A, 49B, 50A, 50B, 51A, 51B; VIET 1, 1L, 2L, 49A, 49B, 50A; WHP 40; Course(s) from other college(s)/AP Exams:</td>
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<tr>
<th>Area D</th>
<th>Social Science</th>
<th>6 semester/9 quarter units minimum, one course from D1 and one from D2</th>
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<tbody>
<tr>
<td></td>
<td>D1: HIST 17A, 17AH, 17B, 17BH, 20; POLIT 1</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<td>D2: ANTHR 3, 39B, 45, 51, 55; BUS 61; CHD 1, 2, 53; COMM 25; COURS 55; ECON 1A, 1B, 6; GEOG 2; GLOBL 1, 1A, 2, 4, 5, 6; HIST 4A, 4B, 15, 16, 17A, 17AH, 17B, 17BH, 20, 31; HUMAN 16A; POLIT 1, 2, 4, 6, 7; PSYCH 1, 1H, 2A, 7, 10, 12, 15, 15H, 20, 25, 30, 33, 45, 48, 55; SOC 1, 2, 21, 24, 38, 39A, 39B, 40, 41, 43, 45, 46, 47, 50; SOCSSC 1</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<th>Area E</th>
<th>Lifelong Learning</th>
<th>3 semester/4 quarter units minimum, one course from either Option 1 or Option 2</th>
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<tr>
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<td>Option 1: Three (3) units from Area A-2, B, C, or D</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<td>Option 2: ANRHR 45; BIOSC 25; BUS 61; CHD 2; COMMLH 10; COMM 4, 8, 12; COURS 1, 3, 5, 10, 12, 12A, 23, 55; GLOBL 1, 2; HED 2; KIN 078; LIB 10; NS 15, 52; PSYCH 12, 25, 30, 33, 40, 45, 48, 55; SOC 2, 21, 40, 45, 46; WHP 30 KIN-All Kinesiology (formerly WHP/PE) courses, except Theory courses, are accepted in Area E. However, only one unit can be applied towards GE.</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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### Competency, Area & Scholarship Requirements:
- **Reading:** READ 54 or proficiency (previously READ 53)
- **Writing:** ENGL 1A (effective Spring 2005)
- **Math:** MATH C, CG, CM or higher
- **Communication:** (effective Spring 2005): COMM 1-, 1H-, 4, 15, 20- or 20H-
- **Information Competency:** LIB 10.10H or proficiency (EFF Fall 2006)
- **24 GE units completed**
- **2.0 GPA**

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**NOTE:** This is not an official document. Please see a counselor for more information.

MC Office of Articulation 06.2014
The Intersegmental General Education Transfer Curriculum (IGETC) is a general education program which allows California Community College students to fulfill lower-division general education (GE) requirements for either the CSU or UC system without the need, after transfer, to take additional lower-division GE requirements. SIXTY (60) TRANSFERABLE UNITS of Major and GE courses are required for transfer. As a transfer student, you should: (1) meet with a counselor to create an EDUCATIONAL PLAN that will assist you in identifying appropriate major and GE requirements; (2) request an IGETC CERTIFICATION when you request final transcripts to be sent to your transfer institution (PARTIAL CERTIFICATION of the IGETC is allowed although a full completion prior to transfer is highly recommended [science and engineering majors please see a counselor regarding GE requirements] and all courses must be completed with a “C” or better to receive IGETC certification); and (3) with a counselor’s assistance, determine whether you are eligible for an Associate’s Degree and/or an Associate’s Degree for Transfer, Completion of this pattern also satisfies requirements for a Certificate of Achievement. All courses are 3 units unless otherwise noted.

**AREA 1 - ENGLISH COMMUNICATION** - 2/3 courses, 6-9 semester/12-15 quarter units
UC - Complete one course from both Group A and B. 
CSU - Complete one course from Group A, B and C.

<table>
<thead>
<tr>
<th>GROUP A: ENGLISH COMPOSITION</th>
<th>GROUP B: CRITICAL THINKING</th>
<th>GROUP C: ORAL COMMUNICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 001A English Composition I</td>
<td>ENGL 001B English Composition II (SP07)</td>
<td>COMM 001 Public Speaking</td>
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<td>ENGL 001C Clear Thinking in Writing</td>
<td>COMM 020 Argumentation and Debate</td>
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<td>PHIL 003 Introduction to Problems in Ethics</td>
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**AREA 2 - MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING - 1 COURSE**
MATH 000C Math for Liberal Arts Students (4) 
*MATH 001 Pre-Calculus Algebra
*MATH 002 Pre-Calculus Algebra and Trigonometry (5)
MATH 003A,B Analytic Geometry and Calculus (5,5)
MATH 004A Intermediate Calculus (4)
MATH 004B Differential Equations (4)
MATH 004C Linear Algebra (4)
MATH 008 Finite Mathematics
MATH 010 Elementary Statistics (4)
MATH 012 Calculus for Business, Biology and SocSci Majors (4)
MATH 019 Discrete Mathematics (4)

**AREA 3 - ARTS AND HUMANITIES** - 3 courses, 9 semester/12-15 quarter units
One course must be selected from the Arts; another from the Humanities; and a third from either area.

<table>
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<tr>
<th>GROUP A: ARTS</th>
<th>GROUP B: HUMANITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 001A,B Survey of Western Art</td>
<td>HUMAN 016A Hispanic Roots and Culture</td>
</tr>
<tr>
<td>ART 001D Art of the 20th Century</td>
<td>HUMAN 018 African American Culture and Humanities</td>
</tr>
<tr>
<td>ART 004 Art Appreciation</td>
<td>HUMAN 020 Asian Roots and Culture</td>
</tr>
<tr>
<td>ART 007 Survey of Asian Art</td>
<td>HUMAN 022 Introduction to Islam</td>
</tr>
<tr>
<td>ART 011 The History of Modern Design (Also GDES 011)</td>
<td>ITAL 002 Second Semester Italian (5)</td>
</tr>
<tr>
<td>GDES 011 The History of Modern Design (Also ART 011)</td>
<td>JPN 002 Second Semester Japanese – Elementary (5)</td>
</tr>
<tr>
<td>KIN 080 Dance Appreciation</td>
<td>JPN 003A,003B Intermediate Japanese (3 ea)</td>
</tr>
<tr>
<td>MUSIC 001 Music History and Literature</td>
<td>JPN 004A Intermediate Japanese II</td>
</tr>
<tr>
<td>MUSIC 002 Music History and Literature</td>
<td>PHIL 001 Introduction to Philosophy</td>
</tr>
<tr>
<td>MUSIC 005 Fundamentals of Music Theory I</td>
<td>PHIL 005 Introduction to Social and Political Philosophy</td>
</tr>
<tr>
<td>MUSIC 005A Fundamentals of Music Lecture</td>
<td>POLIT 007 International Films (Also HUMAN 007)</td>
</tr>
<tr>
<td>MUSIC 010 Music Appreciation</td>
<td>PORTG 049A,049B Portuguese for the Portuguese Speaking</td>
</tr>
<tr>
<td>MUSIC 016 History of Rock Music</td>
<td>SPAN 002 Second Semester Spanish – Elementary (5)</td>
</tr>
<tr>
<td>MUSIC 017 Musics of the World</td>
<td>SPAN 003,004 Third,Forth Semester Spanish – Intermediate (5,5)</td>
</tr>
<tr>
<td>WHP 040 Dance Appreciation (EFF FA11)</td>
<td>SPAN 005,006 Fifth,Sixth Semester Spanish – Advanced (5,5)</td>
</tr>
</tbody>
</table>

**GROUP B: HUMANITIES**

| HUMAN 012 African American Literature | HUMAN 016B Vietnamese Language & Culture for Fluent Speakers |
| ENGL 012 African American Literature | HUMAN 018A Hispanic Roots and Culture |
| ENGL 018 Asian American Literature | HUMAN 020 Asian Roots and Culture |
| ENGL 043 Classical Mythology | HUMAN 022 Introduction to Islam |
| ENGL 048 Introduction to Shakespeare | ITAL 002 Second Semester Italian (5) |
| FRNCH 003,004 Third,Forth Semester French – Intermediate (5,5) | JPN 003A,003B Intermediate Japanese (3 ea) |
| FRNCH 005,006 Fifth,Sixth Semester French – Advanced (5,5) | JPN 004A Intermediate Japanese II |
| GDES 013 Creativity and Visual Communication (Also HUMAN 013) | PHIL 001 Introduction to Philosophy |
| HIST 004A,004B History of Western Civilization | PHIL 005 Introduction to Social and Political Philosophy |
| HUMAN 001A,001B Human Values in and from the Arts | POLIT 007 International Films (Also HUMAN 007) |
| HUMAN 007 International Film (Also POLIT 7) | PORTG 049A,049B Portuguese for the Portuguese Speaking |
| HUMAN 013 Creativity and Visual Communication (Also GDES 013) | SPAN 002 Second Semester Spanish – Elementary (5) |
| HUMAN 015 Introduction to Film Analysis (Also ENGL 015) | SPAN 003,004 Third,Forth Semester Spanish – Intermediate (5,5) |
| HUMAN 016B Vietnamese Language & Culture for Fluent Speakers | SPAN 005,006 Fifth,Sixth Semester Spanish – Advanced (5,5) |
| HUMAN 016A Hispanic Roots and Culture | VIET 002 Second Semester Vietnamese – Elementary (5) |
| HUMAN 018A African American Culture and Humanities | VIET 049A,049B Vietnamese Language & Culture for Fluent Speakers |
| HUMAN 020 Asian Roots and Culture | |
**AREA 4 - SOCIAL AND BEHAVIORAL SCIENCES - 3 courses, 9 semester/12-15 quarter units**

Complete at least three courses from at least two disciplines.

- ANTHR 003 Cultural Anthropology
- ANTHR 045 Human Sexuality
- ANTHR 051 Culture and Food
- ANTHR 055 Magic, Witchcraft And Religion
- COMM 025 Mass Communication and Society
- ECON 001A Principles of Macroeconomics
- ECON 001B Principles of Microeconomics
- GEOG 002 Introduction to Cultural Geography
- GLOBL 001A, 001AH, 001B, 001BH Global Perspectives
- GLOBL 001A State of the World
- GLOBL 002 Global Issues
- GLOBL 004 The Developing World
- GLOBL 006 The Global Economy
- HIST 004A, 004B History of Western Civilization
- HIST 017A, 017B United States History
- HIST 020 History and Geography of California
- HIST 031 History of East Asia
- HUMAN 016A Hispanic Roots and Culture
- PHIL 005 Introduction to Social and Political Philosophy
- POLIT 001 American Government
- POLIT 002 Comparative Government
- POLIT 004 International Relations
- POLIT 006 Politics of Race, Class and Gender
- POLIT 010 Introduction to Law and the Legal System
- PSYCH 001, 001H General Psychology
- PSYCH 002A Experimental Psychology
- PSYCH 007 Biological Psychology
- PSYCH 010 Social Psychology
- PSYCH 012 Human Growth and Development
- PSYCH 015, 0015H Introduction to Research Methods
- PSYCH 020 Theories of Personalities
- PSYCH 025 Introduction to Abnormal Psychology
- PSYCH 045 Human Sexuality (Also ANTHR/SOC 045)
- PSYCH 048 Introduction to Child and Adolescent Psychology
- SOC 001 Introduction to Sociology
- SOC 002 Social Problems
- SOC 021 Sociology of Minorities in the U.S.
- SOC 024 Social Aspects of Aging
- SOC 038 American Culture through Film
- SOC 040 Marriage and Family
- SOC 043 Sociology of Religion
- SOC 045 Human Sexuality (Also ANTHR/PSYCH 045)
- SOC 046 Human Sexuality: Current Issues and Global Perspectives
- SOC 047 Sociology of Criminology

**GROUP A: PHYSICAL SCIENCES**

- ASTRO 001 Astronomy
- ASTRO 002 Astronomy Lab (1)
- ASTRO 003 Astronomy with Lab (4)
- CHEM 001A, 001AH, 001B, 001BH General Chemistry (5ea)
- CHEM 002 Introductory Chemistry (4)
- CHEM 002 Introductory Chemistry (3)
- CHEM 012A, 012B Organic Chemistry (5ea)
- CHEM 030A Fundamentals of Chemistry (4)
- ENGR 003 How Everyday Technology Works (4)
- GEOG 001 Introduction to Physical Geography
- PHYS 002A, 002B General Physics (5ea)
- PHYS 004A Engineering Physics – Mechanics (5)
- PHYS 004B Engineering Physics - Electricity and Magnetism (5)
- PHYS 004C Engineering Physics - Light and Heat (5)
- PHYS 010 Introduction to Physics (4)
- PHYS 020 Fundamentals of Chemistry

**GROUP B: BIOLOGICAL SCIENCES**

- ANTHR 001 Physical Anthropology
- ANTHR 001L Physical Anthropology Laboratory (1)
- BIOSC 004 Microbiology (5)
- BIOSC 008 Exploring Biology (3)
- BIOSC 010 Introduction to Biology (4)
- BIOSC 010 Introduction to Biology (3)
- BIOSC 010L Introduction to Chemistry Lab (1)
- BIOSC 011 Human Biology (4)
- BIOSC 015 Human Genetics
- BIOSC 016 Marine Biology (4)
- BIOSC 025 Environmental Biology (3)
- BIOSC 041 Principles of Animal Biology (5)
- BIOSC 042 Principles of Plant Biology (5)
- BIOSC 043, 043H Principles of Cell and Molecular Biology (5)
- BIOSC 047 Human Anatomy (5)
- BIOSC 048, 048H Human Physiology (5)

**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 – UC IGETC REQUIREMENT ONLY**

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 (Student must present documentation to show proficiency):

1. FRNCH 001, ITAL 001, JPNS 001, LATIN 001, SPAN 001, VIET 001, or other first level language course or higher
2. A score of 3 or higher on the Foreign Language Advanced Placement Exam
3. Minimum score of 550 on the appropriate CEEB Foreign Language Achievement Test
4. Satisfactory completion, with “C” grades or better, of two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English.

**U.S. HISTORY, CONSTITUTION AND AMERICAN IDEALS – CSU GRADUATION REQUIREMENT ONLY (NOT PART OF IGETC)**

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

POLIT 001 + HIST 017A or HIST 017B
**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 (check with www.uctransfer.org for exceptions), 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.

**Can I take courses at other colleges? Will they count toward IGETC?**

*Yes.* Courses that are completed at any 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 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.

**Do courses completed need a minimum grade for certification?**

*Yes.* Only grades of “C” or better will be accepted (no “C-”) 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).

**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.

**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. Partial certification is available for students who have a maximum of 2 remaining classes and would like to transfer without them. Students will be responsible for fulfilling these remaining requirements at the institution they transfer to.

The IGETC is **NOT** recommended for the following programs at the UC campuses listed below:

| BERKELEY       | ⇒ The College of Engineering; Most science majors |
|               | ⇒ College of Environmental Design (Architecture, Landscape Architecture, and City & Regional Planning) |
|               | ⇒ The Haas School of Business has extensive and very prescribed major and general education requirements |
|               | ⇒ College of Natural Resources |
| DAVIS          | ⇒ College of Engineering; Most science majors |
|               | ⇒ Environmental Policy Analysis and Planning |
| IRVINE         | ⇒ School of Engineering; Most science majors |
| LOS ANGELES    | ⇒ School of Engineering and Applied Sciences; Most science majors |
| MERCED         | ⇒ Schools of Engineering and Natural Sciences |
| RIVERSIDE      | ⇒ College of Engineering and the College of Natural & Agricultural Sciences will **NOT** accept IGETC; Most science majors |
| SAN DIEGO      | ⇒ Division of Engineering; Most science majors |
|               | ⇒ Eleanor Roosevelt and Revelle will require additional GE |
| SANTA BARBARA  | ⇒ College of Engineering; Most science majors |
| SANTA CRUZ     | ⇒ College of Engineering; Most science majors |

Requirements are subject to change.

Visit the ASSIST website at [WWW.ASSIST.ORG](http://WWW.ASSIST.ORG) for a complete listing of CSU and UC transferable courses as well as updated IGETC and major requirements.
**Mission College**

**Intersegmental General Education Transfer Curriculum**

**Certification and Certificate of Achievement Advising Sheet**

<table>
<thead>
<tr>
<th>Circle Completed Mission College Courses</th>
<th>Met</th>
<th>IP</th>
<th>Need</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area 1 • English Communication</strong> • 2 courses, one from Group A and Group B, 6 semester units; 1 course from Group C for CSU only</td>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Group A (3 sem/4-5 qtr units): English Composition</strong></td>
<td>ENGL 1A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course(s) from other college(s)/AP Exams:</td>
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</tr>
<tr>
<td><strong>Group B (3 sem/4-5 qtr units): Critical Thinking</strong></td>
<td>ENGL 1B (SP07), 1C; PHIL 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course(s) from other college(s)/AP Exams:</td>
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<td></td>
</tr>
<tr>
<td><strong>Group C (3 sem/4-5 qtr units): Oral Communication (CSU Requirement Only)</strong></td>
<td>COMM 1, 20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course(s) from other college(s)/AP Exams:</td>
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</tbody>
</table>

| **Area 2 • Mathematical Concepts and Quantitative Reasoning** • 1 course, 3 sem/4-5 units |
| MATH G, 1, 2, 3A, 3B, 4A, 4B, 4C, 8, 10, 12, 19 |
| Course(s) from other college(s)/AP Exams: | |

| **Area 3 • Arts and Humanities** • 3 courses, with at least one course from the Arts and one from the Humanities, 9 sem/12-15 qtr units |
| **Group A: Arts** | ART 1A, 1B, 1D, 4, 7, 11; GDES 11; KIN 80; MUSIC 1, 2, 5, 5A, 10, 16, 17; WHP 40 (FA11) |
| Course(s) from other college(s)/AP Exams: | |
| **Group B: Humanities** | COMM 12; ENGL 5A, 5B, 6B, 7A, 7B, 12, 14, 15, 18, 43, 48; FRNCH 2, 3, 4, 5, 6; GDES 13; HIST 4A, 4B; HUMAN 1A, 1B, 7, 13, 15, 16A, 18, 20, 22; ITAL 2; JPN 2, 3A, 3B, 4A; PHIL 1, 5; POLIT 7; PORTG 49A, 49B; SPAN 2, 3, 4, 5, 6; VIET 2, 49A, 49B |
| Course(s) from other college(s)/AP Exams: | |

| Choose additional course from Group A or Group B |
| Course(s) from other college(s)/AP Exams: | |

| **Area 4 • Social & Behavioral Sciences** • 3 courses from at least 2 disciplines, 9 sem/12-15 qtr units |
| ANTHR 3, 45, 51, 55; COMM 25; ECON 1A, 1B; GEOG 2; GLOBL 1, 1A, 2, 4, 6; HIST 4A, 4B, 17A, 17B, 20, 31; HUMAN 16A; PHIL 5; POLIT 1, 2, 4, 6, 10; PSYCH 1, 1H, 2A, 7, 10, 12, 15H, 20, 25, 45, 48; SOC 1, 2, 21, 24, 38, 40, 43, 45, 46, 47; SOCSC 1 |
| Course(s) from other college(s)/AP Exams: | |

| **Area 5 • Physical and Biological Sciences** • One physical and one biological science, one must include a lab, 7-9 sem/9-12 qtr units |
| **Group A: Physical Sciences** | ASTRO 1, 2, 3; CHEM 1A, 1A1, 1A9, 1B1B, 1B2; HIST 12A, 12B, 30A, 30B; ENGR 3; GEOG 1; PHYS 2A, 1B, 2B, 4A, 4B, 4C, 10 |
| Course(s) from other college(s)/AP Exams: | |
| **Group B: Biological Sciences** | ANTH 1, 1L; BIOH 1A, 1B, 4, 8, 10, 10L, 11, 15, 16, 25, 41, 42, 43, 43H, 47, 48, 48H |
| Course(s) from other college(s)/AP Exams: | |

| **Area 6 • Language Other Than English * UC Requirement Only** |
| To demonstrate proficiency, one of the following must be complete: |
| 4. Equivalent to two years of high school study in the same language with “C” or better |
| 5. FREN 1, JPN 1, ITAL 1, LATIN 1, SPAN 1, VIET 1 or higher at Mission College |
| 6. Equivalent language courses from other college |
| 7. A score of 3, 4, or 5 on Advanced Placement Exam |
| 8. 550 on CEEB Foreign Language Achievement Test |
| 9. Two years of formal schooling at the sixth grade level or higher in an institution where the language of instruction is not English (“C” grades or better) |

| **U.S. History, Constitution and American Ideals * CSU Graduation Requirement Only** |
| POLIT 001 + HIST 017A or HIST 017B |
| Course(s) from other college/AP Exams: | |

**Note:** Although not required for IGETC certification, it is recommended that CSU students complete this requirement prior to transfer. At the discretion of the CSU Campus granting the degree, these courses may also be counted toward certification in general education (CSU GE Breadth or IGETC).

Courses may be taken to satisfy only one Area Requirement.

*Transfer credit may be limited. Visit [www.assist.org](http://www.assist.org) or the Counseling Office for more information.
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. As a transfer student, you should: (1) meet with a counselor to create an EDUCATIONAL PLAN that will assist you in identifying appropriate major and GE requirements; (2) request a CSU-GE CERTIFICATION when you request final transcripts to be sent to your transfer institution; and (3) with a counselor’s assistance, determine whether you are eligible for an Associate’s Degree and/or an Associate’s Degree for Transfer. Completion of this pattern also satisfies 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/12 QUARTER UNITS
Complete one course from each section. All courses must be complete with a “C” or better.

A1. Oral Communication:
COMM 001, 001H Public Speaking
COMM 020, 020H Argumentation and Debate

A2. Written Communication:
ENGL 001A English Composition I

A3. Critical Thinking
COMM 020, 020H Argumentation and Debate
ENGL 001B English Composition II
ENGL 001C Clear Thinking In Writing
PHIL 002 Introduction to Logic

PHIL 003 Introduction to Problems in Ethics
READ 053 Critical College Reading & Thinking (FA12-SP13 only)
READ 054 Critical College Reading & Thinking

(PHIL 002 and COMM 20 are non-composition courses)

AREA B – SCIENTIFIC INQUIRY AND QUANTITATIVE REASONING – 9 SEMESTER/12 QUARTER UNITS
Complete at least one course from the Biological Science area, the Physical Science area and the Mathematics area.

B1. Physical Sciences
ASTRO 001 Astronomy
ASTRO 002 Astronomy Lab (1)
ASTRO 003 Astronomy with Lab (4)
CHEM 001A, 001AH, 001B, 001BH General Chemistry (5,5)
CHEM 002 Introductory Chemistry (4)
CHEM 002, Introductory Chemistry
CHEM 002L, Introductory Chemistry Lab
CHEM 012A,B Organic Chemistry I (5,5)

CHEM 030A,B Fundamentals of Chemistry (4,3)
ENGR 003 How Everyday Technology Works (4)
GEOG 001 Introduction to Physical Geography
PHYS 002A,B General Physics (5,5)

PHYS 004A,B,C Engineering Physics (5 each)
PHYS 004D Atomic Physics (2)
PHYS 010 Introduction to Physics (4)

B2. Biological Sciences
ANTHR 001 Physical Anthropology
ANTHR 001L Physical Anthropology Lab (1)
BIOSC 004 Microbiology (5)
BIOSC 008 Exploring Biology
BIOSC 010 Introduction to Biology (4)
BIOSC 010L Introduction to Biology Lab (1)
BIOSC 011 Human Biology (4)
BIOSC 012 Emerging Infectious Disease
BIOSC 015 Human Genetics

BIOSC 016 Marine Biology (4)
BIOSC 022 Anatomy & Physiology for Allied Health Workers (4)
BIOSC 025 Environmental Biology
BIOSC 030 Tropical Ecology (4)
BIOSC 041 Principles of Animal Biology (5)
BIOSC 042 Principles of Plant Biology (5)
BIOSC 043, 043H Principles of Cell and Molecular Biology (5)
BIOSC 047 Human Anatomy (5)

BIOSC 048, 048H Human Physiology (5)

B3. Laboratory Requirement
One of the selected science courses from above must be a laboratory course. Lab courses are underlined.

B4. Mathematics/Quantitative Reasoning
Courses must be complete with a “C” or better.
MATH 000D Trigonometry
MATH 000G Math for the Liberal Arts Students (4)
MATH 001 Pre-Calculus Algebra
MATH 002 Pre-Calculus Algebra and Trigonometry (5)
MATH 003A,B Analytic Geometry and Calculus (5,5)
MATH 004A Intermediate Calculus (4)

MATH 004B Differential Equations (4)
MATH 004C Linear Algebra (4)
MATH 008 Finite Mathematics
MATH 010, 010H Elementary Statistics (4)

MATH 012 Calculus for Business and Social Sciences (4)
MATH 019 Discrete Mathematics (4)
Area C – Arts and Humanities – 9 semester/12 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
ART 001B Survey of Western Art
ART 001D Art of the 20th Century
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
GDES 011 History of Modern Design (Also ART 011)

C2. Humanities
ARAB 050A Beginning Conversational Arabic and Culture
CHIN 050A,050B Basic Conversational Chinese
COMM 012 Intercultural Communication
ENGL 001B English Composition II (EFF SP07)
ENGL 005A,B English Literature
ENGL 006B World Literature
ENGL 007A,B American Literature
ENGL 012 African American Literature
ENGL 014 Native American Literature
ENGL 015 Introduction to Film Analysis (Also HUMAN 15)
ENGL 018 Asian American Literature
ENGL 043 Classical Mythology
ENGL 048 Introduction to Shakespeare ENGL
070 Creative Writing
FRNCH 001, 002 First/Second Semester French – Elementary (5 ea)
FRNCH 003, 004 Third/Fourth Semester French – Intermediate (5 ea)
FRNCH 005, 006 Fifth/Sixth Semester French – Advanced (5 ea)
FRNCH 001L,002L French Laboratory (.5 ea)
FRNCH 050A,050B Basic Conversational French
FRNCH 051A,051B Intermediate Conversational French
FRNCH 062 French Cultural Experience (2)
GDES 013 Creativity and Visual Communication (Also HUMAN 13)
GLOBL 005 Global Focus
HUMAN 001A,001B Human Values in and from the Arts
HUMAN 007 International Films (Also POLIT 7)
HUMAN 013 Creativity and Visual Communication (Also GDES 13)
HUMAN 015 Introduction to Film Analysis (Also ENGL 15)
HUMAN 016A Hispanic Roots and Culture
HUMAN 018 African American Culture/Humanities

C3. One additional course from either C1 or C2

Area D – Social Sciences – 9 semester/12 quarter units

Complete three (3) courses from at least two (2) different disciplines.

NOTE: It is STRONGLY RECOMMENDED to complete Section 1 in order to satisfy CSU’s American History and Institutions (AH&I) graduation requirement.

Section 1: The American History & Institution Requirement (AH&I),
POLIT 001 American Government
AND

Section 2:
D1. Anthropology & Archaeology
ANTHR 003 Cultural Anthropology
ANTHR 039B Urban Cultures of San Francisco (Also SOC 39B)

ANTHR 051 Culture and Food: A Multicultural Food Sampling
ANTHR 055 Magic, Witchcraft and Religion

HUMAN 020 Introduction to Asian Roots and Culture
HUMAN 022 Introduction to Islam
ITAL 001, 002 First, Second Semester Italian (3 ea)
ITAL 001L First Semester Italian, Lab - Elementary (5, .5)
ITAL 050A,050B Beginning Conversational Italian
ITAL 051A,051B Intermediate Conversational Italian
JPNS 001,002 First/Second Semester Japanese – Elementary (5 ea)
JPNS 003A,003B Intermediate Japanese (3 ea)
JPNS 004A Intermediate Japanese II (3 ea)
JPNS 050A,B Beginning Conversational Japanese
LATIN 001 Elementary Latin (5)
PHIL 001 Introduction to Philosophy
PHIL 003 Introduction to Problems in Ethics
PHIL 005 Introduction to Social and Political Philosophy
POLIT 007 International Films (Also HUMAN 7)
PORTG 049A,B Portuguese for the Portuguese Speaking
PORTG 050A,B Basic Conversational Portuguese
PORTG 051A,B Intermediate Conversational Portuguese
RUSS 040 Beginning Conversational Russian
SPAN 001, 002 First/Second Semester Spanish – Elementary (5 ea)
SPAN 003, 004 Third/Fourth Semester Spanish – Intermediate (5 ea)
SPAN 005, 006 Fifth/Sixth Semester Spanish – Advanced (5 ea)
SPAN 001L, 002L Spanish Laboratory (.5 ea)
SPAN 049A,B Spanish for Heritage or Native Speakers (3 ea)
SPAN 050A,050B Basic Conversational Spanish
SPAN 051A,051B Intermediate Conversational Spanish
VIET 001, 002 First/Second Semester Vietnamese – Elementary (5 ea)
VIET 001L,002L Vietnamese Laboratory (.5 ea)
VIET 049A,049B Vietnamese Language/Culture for Fluent Speakers
VIET 050A Basic Conversational Vietnamese
AREA D – SOCIAL SCIENCES CONTINUED

D2. Economics
ECON 001A Principles of Macroeconomics
ECON 001B Principles of Microeconomics
GLOBL 006 The Global Economy

D3. Ethnic Studies
COUNS 055 Valuing Diversity
HUMAN 016A Hispanic Roots and Cultures

D5. Geography
GEOG 002 Introduction to Cultural Geography

D6. History
HIST 004, 8 History of Western Civilization
HIST 015 World History to 1500
HIST 016 World History since 1500
HIST 017A, 017AH, 017B, 017BH United States History
HIST 020 History and Geography of California
HIST 031 History of East Asia

D7. Interdisciplinary Social or Behavioral Sciences
BUS 061 Business and Society
CHD 001 Child Growth and Development
CHD 002 Child, Family and Community (EFF FA11)
COMM 025 Mass Communication and Society
GLOBL 001 Global Perspectives (Also SOCSC 1)
GLOBL 001A State of the World
GLOBL 002 Global Issues
GLOBL 004 The Developing World
GLOBL 005 Global Focus
HUMAN 007 International Films (Also POLIT 7)
POLIT 007 International Films (Also HUMAN 7)
SOCSC 001 Global Perspectives (Also GLOBL 1)

D8: Political Science, Government, and Legal Institutions
POLIT 001 American Government
POLIT 002 Comparative Government

POLIT 006 Politics of Race, Class and Gender
POLIT 010 Introduction to Law

D9: Psychology
PSYCH 001, 001H General Psychology
PSYCH 002A Experimental Psychophysiology (4)
PSYCH 007 Biological Psychology
PSYCH 010 Social Psychology
PSYCH 012 Human Growth and Development
PSYCH 015, 015H Introduction to Research Methods
PSYCH 020 Theories of Personality
PSYCH 025 Introduction to Abnormal Psychology
PSYCH 030 Psychology of Addiction and Substance Abuse
PSYCH 033 The Psychology of Personal Growth
PSYCH 045 Human Sexuality (Also ANTHR/SOC 045)
PSYCH 048 Introduction to Child and Adolescent Psychology
PSYCH 055 Psychology of Death and Dying

D10: Sociology and Criminology
ANTHR 045 Human Sexuality (Also PSYCH/SOC 045)
SOC 001 Introduction to Sociology
SOC 002 Social Problems
SOC 021 Minorities in the United States
SOC 024 Social Aspects of Aging
SOC 038 American Culture through Film
SOC 039A Native American Cultures of the Southwest
SOC 039B Urban Cultures of San Francisco (Also ANTHR 39B)
SOC 040 Marriage and Family
SOC 041 Family Issues
SOC 043 Sociology of Religion
SOC 045 Human Sexuality (Also ANTHR/PSYCH 045)
SOC 046 Human Sexuality: Current Issues & Global Perspectives
SOC 047 Sociology of Criminology
SOC 050 Introduction to Criminal Law

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

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

ANTHR 045 Human Sexuality (Also PSYCH/SOC 045)
BIOSC 025 Environmental Biology
CHD 002 Child, Family and Community (EFF FA11)
COMHL 010 Community Health Problems
COMM 008 Interpersonal Communication
COMM 012 Introduction to Intercultural Communication
COUNS 012 Careers and Life Styles
H ED 002 Health and Lifestyle
KIN 078 Introduction to Kinesiology

NS 015 Human Nutrition
NS 052 Nutrition for Children
PSYCH 012 Human Growth and Development
PSYCH 045 Human Sexuality (Also PSYCH/SOC 045)
PSYCH 048 Introduction to Child and Adolescent Psychology
PSYCH 055 Psychology of Death and Dying
SOC 045 Human Sexuality (Also ANTHR/PSYCH 045)
SOC 046 Human Sexuality: Current Issues & Global Perspectives
WHP 030 Introduction to Kinesiology (EFF FA11)

NS 021 Nutrition for Children
PSYCH 012 Human Growth and Development
PSYCH 045 Human Sexuality (Also PSYCH/SOC 045)
PSYCH 048 Introduction to Child and Adolescent Psychology
PSYCH 055 Psychology of Death and Dying
SOC 045 Human Sexuality (Also ANTHR/PSYCH 045)
SOC 046 Human Sexuality: Current Issues & Global Perspectives
WHP 030 Introduction to Kinesiology (EFF FA11)

PHYSICAL EDUCATION:
One (1) unit of physical education courses (KIN/WHP/PE) can be applied toward Area E. See www.assist.org for complete listing of approved courses.

NOTE: Courses may be taken to satisfy only one GE Area.

Requirements are subject to change.
Visit the ASSIST website at www.cusf.org for a complete listing of CSU transferable courses as well as updated general education and major requirements.
### Circle Completed Mission College Courses

<table>
<thead>
<tr>
<th>Area</th>
<th>Courses</th>
<th>Met</th>
<th>IP</th>
<th>Need</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td><strong>Oral &amp; Written Communication</strong> • 3 courses, 9 semester/12 quarter units</td>
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<tr>
<td>A1:</td>
<td>ORAL COMMUNICATION: COMM 1, 1H, 20, 20H (COMM 4 if completed by Fall 2003)</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td>A2:</td>
<td>WRITTEN COMMUNICATION: ENGL 1A</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td>A3:</td>
<td>CRITICAL THINKING: COMM 20, 20H; ENGL 1B, IC; PHIL 2, 3 (non-composition courses); READ 53</td>
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<td></td>
<td>(FA12-SP13 only), 54</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td><strong>B</strong></td>
<td><strong>Natural Science &amp; Mathematics</strong> • 3 courses, 9 semester/12 quarter units (One science course must have a laboratory)</td>
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<tr>
<td>B1:</td>
<td>PHYSICAL SCIENCES: ASTRO 1, 2, 3; CHEM 1A, 1AH, 1B, 1BH, 2, 2L, 12A, 12B, 30A, 30B, ENGR 3;</td>
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<tr>
<td></td>
<td>GEOG 1; PHYS 2A, 2B, 4A, 4B, 4C, 4D, 10</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td>B2:</td>
<td>BIOLOGICAL SCIENCES: ANTHR 1, 1L; BIOSC 1A, 1B, 4, 8, 10, 10L, 11, 12, 15, 16, 22, 25, 30, 41, 42, 43, 43H, 47, 48, 48H</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td>B3:</td>
<td>LABORATORY SCIENCE: Underlined courses from B1 and B2 contain a lab component.</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<td>B4:</td>
<td>MATH: MATH D, G, 1, 2, 3A, 3B, 4A, 4B, 4C, 8, 10, 10H, 12, 19</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td><strong>C</strong></td>
<td><strong>Arts and Humanities</strong> • 3 courses, 9 semester/12 quarter units</td>
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<tr>
<td>C1:</td>
<td>ARTS: ART 1A, 1B, 1D, 4, 7, 11, 31A, 33A, 34A, 35A; GDES 11, 12, 15; KIN 080;</td>
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<td>MUSIC 1, 2, 5, 10A, 10, 16, 17; WHP 40 (EFF FA07)</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td>C2:</td>
<td>HUMANITIES: ARAB 50A; CHIN 50A, 50B; COMM 12; ENGL 1B (EFF FA09), 5A, 5B, 6B, 7A, 7B, 12,</td>
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<td>14, 15, 18, 43, 48, 70; FRNCH 1, 1L, 2, 2L, 3, 4, 5, 6, 50A, 50B, 51A, 51B, 62; GDES 13; GLOBL 5;</td>
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<td>HUMAN 1A, 1B, 7, 13, 15, 16A, 18, 20, 22; ITAL 1, 1L, 2, 50A, 50B, 51A, 51B; JPNS 1, 2, 3A, 3B, 4A,</td>
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<td>50A, 50B; LATIN 1; PHIL 1, 3; POLIT 7; PORTG 49A, 49B, 50A, 50B, 51A, 51B; RUSS 40; SPAN 1, 2</td>
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<td>2, 2L, 3, 4, 5, 6, 49A, 49B, 50A, 50B, 51A, 51B; VIET 1, 2, 2L, 49A, 49B, 50A</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td>C3:</td>
<td>CHOOSE ADDITIONAL COURSE FROM C1 or C2</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td><strong>D</strong></td>
<td><strong>Social &amp; Behavioral Sciences</strong> • 3 courses from at least 2 disciplines, 9 semester/12 quarter units</td>
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<td></td>
<td>AMERICAN HISTORY &amp; INSTITUTIONS (AH&amp;I) STRONGLY RECOMMENDED: POLIT 001 + HIST 017A or 017B</td>
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<td>(HIST 17A &amp; 17B; HIST 17A &amp; 20; HIST 17B &amp; 20; POLIT 1 if completed by Spring 2004)</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<td></td>
<td>SOCIAL SCIENCES: ANTHR 3, 39B, 45, 51, 55; BUS 61; CHD 1, 2; COMM 25; COUNS 55; ECON 1A, 1B;</td>
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<td>GEOG 2; GLOBL 1, 1A, 2, 4, 5, 6; HIST 4A, 4B, 15, 16, 17A, 17HA, 17B, 17BH, 20, 31; HUMAN 7, 16A;</td>
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<td>POLIT 1, 2, 4, 6, 7, 10; PSYCH 1, 1H, 2A, 7, 10, 12, 15, 15H, 20, 25, 30, 33, 45, 48, 55;</td>
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<td>SOC 1, 2, 21, 24, 38, 39A, 39B, 40, 41, 43, 45, 46, 47, 50; SOCS 1</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td><strong>E</strong></td>
<td><strong>Lifelong Learning</strong> • 1 course, 3 semester/4 quarter units</td>
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<td>ANTHR 45; BIOSC 25; CHD 2 (EFF FA11); COMHL 10; COMM 8, 12; COUNS 5, 12; H ED 2; KIN 78; N5</td>
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<td></td>
<td>15, 52; PSYCH 12, 45, 48, 55; SOC 45, 46; WHP 30 (EFF FA11)</td>
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<td>Course(s) from other college(s)/AP Exams:</td>
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<tr>
<td><strong>F</strong></td>
<td><strong>Physical Education</strong></td>
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<tr>
<td></td>
<td>One (1) unit of physical education courses (KIN/WHP/PE) can be applied toward Area E. See <a href="http://www.assist.org">www.assist.org</a> for complete listing of approved courses.</td>
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</tbody>
</table>

**This is NOT an official document. Please see a counselor for more information.**

MC Office of Articulation 06.2014
### UC Transfer Admissions Eligibility Course List

#### Minimum General Education Requirements

Completion of this pattern satisfies UC transfer admissions requirements but it does not guarantee admission. This pattern is strongly recommended for high unit math, science and engineering majors. Meet with a counselor to create an EDUCATIONAL PLAN that will assist you in identifying appropriate major and GE requirements. To complete this pattern, students must:

A. Complete 60 semester units of UC transferable college credit with a GPA of at least 2.4 (no more than 14 units may be taken CR/NC), and:

B. Complete the following course pattern requirement, earning a grade of C or better in each course:

1. Two transferable college courses (3 units each) in English Composition (Area UC-E), and:
2. Two transferable college courses (3 semester units each) in Mathematical Concepts and Quantitative Reasoning (Area UC-M).
3. Four transferable college course (3 semester units each) chosen from at least two of the following subject areas: the Arts and Humanities (Area UC-H), the Social and Behavioral Sciences (Area UC-B), and the Physical and Biological Sciences (Area UC-S).

#### Area UC-E • English Communication

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 001A English Composition I</td>
<td>ENGL 001C Clear Thinking In Writing</td>
</tr>
<tr>
<td>ENGL 001B English Composition II</td>
<td>PHIL 003 Introduction to Ethics</td>
</tr>
</tbody>
</table>

#### Area UC-M • Mathematical Concepts and Quantitative Reasoning

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>MATH 000G Math for Liberal Arts Students (4)</td>
<td>MATH 004C Linear Algebra (4)</td>
</tr>
<tr>
<td>MATH 001 Pre-Calculus Algebra (3)</td>
<td>MATH 008 Finite Mathematics (3)</td>
</tr>
<tr>
<td>MATH 002 Pre-Calculus Algebra and Trigonometry (5)</td>
<td>MATH 010 Elementary Statistics (4)</td>
</tr>
<tr>
<td>MATH 003A,B Analytic Geometry and Calculus (5,5)</td>
<td>MATH 012 Calculus for Business, Biology, and Social Sciences (4)</td>
</tr>
<tr>
<td>MATH 004A Intermediate Calculus (4)</td>
<td>MATH 0019 Discrete Mathematics (4)</td>
</tr>
<tr>
<td>MATH 004B Differential Equations (4)</td>
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</tbody>
</table>

#### Area UC-H • Arts and Humanities

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>ART 001A,B Survey of Western Art</td>
<td>HUMAN 018 African American Culture and Humanities</td>
</tr>
<tr>
<td>ART 001C Survey of Asian, African, Native American, and Oceanic Art</td>
<td>HUMAN 020 Asian Roots and Culture</td>
</tr>
<tr>
<td>ART 001D Art of the 20th Century</td>
<td>HUMAN 022 Introduction to Islam</td>
</tr>
<tr>
<td>ART 004 Art Appreciation</td>
<td>ITAL 002 Second Semester Italian (5)</td>
</tr>
<tr>
<td>ART 007 Survey of Asian Art</td>
<td>JPN 002 Second Semester Japanese – Elementary (5)</td>
</tr>
<tr>
<td>ART 010 Art of the United States</td>
<td>JPN 003A/B Intermediate Japanese (3ea)</td>
</tr>
<tr>
<td>ART/GDES 011 The History of Modern Design</td>
<td>JPN 004A Intermediate Japanese II</td>
</tr>
<tr>
<td>COMM 012 Introduction to Intercultural Communication</td>
<td>KIN 080 Dance Appreciation</td>
</tr>
<tr>
<td>ENGL 001B English Composition</td>
<td>MUSIC 001 Music History and Literature</td>
</tr>
<tr>
<td>ENGL 005A/B English Literature through 1890/1865 to Present</td>
<td>MUSIC 002 Music History and Literature</td>
</tr>
<tr>
<td>ENGL 006B World Literature</td>
<td>MUSIC 005 Fundamentals of Music Theory I</td>
</tr>
<tr>
<td>ENGL 007A/B American Literature through 1865/ to Present</td>
<td>MUSIC 005A Fundamentals of Music Lecture</td>
</tr>
<tr>
<td>ENGL 012 African American Literature</td>
<td>MUSIC 010 Music Appreciation</td>
</tr>
<tr>
<td>ENGL 014 Native American Literature</td>
<td>MUSIC 016 Survey of Rock and Popular Music</td>
</tr>
<tr>
<td>ENGL/HUMAN 015 Introduction to Film Analysis</td>
<td>MUSIC 017 Musics of the World</td>
</tr>
<tr>
<td>ENGL 018 Asian American Literature</td>
<td>PHIL 001 Introduction to Philosophy</td>
</tr>
<tr>
<td>ENGL 043 Classical Mythology</td>
<td>PHIL 002 Introduction to Logic</td>
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<tr>
<td>ENGL 048 Introduction to Shakespeare</td>
<td>PHIL 003 Introduction to Social and Political Philosophy (Also POLIT 003)</td>
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<tr>
<td>FRNCH 002 Second Semester French – Elementary (5)</td>
<td>POLIT 003 Introduction to Social and Political Philosophy (Also PHIL 005)</td>
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<tr>
<td>FRNCH 005, 006 Fifth/Sixth Semester French – Advanced (5,5)</td>
<td>PORTG 049/B Portuguese for the Portuguese Speaking</td>
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<tr>
<td>GDES/HUMAN 013 Creativity and Visual Communication</td>
<td>SPAN 002 Second Semester Spanish – Elementary (5)</td>
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<tr>
<td>HIST 004A,B History of Western Civilization</td>
<td>SPAN 003/4 Third/Forth Semester Spanish – Intermediate (5,5)</td>
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<tr>
<td>HUMAN 001A,B Human Values in and from the Arts</td>
<td>SPAN 005/6 Fifth/Sixth Semester Spanish – Advanced (5,5)</td>
</tr>
<tr>
<td>HUMAN/POLIT 007 International Films</td>
<td>VIET 002 Second Semester Vietnamese – Elementary (5)</td>
</tr>
<tr>
<td>HUMAN 016A Hispanic Roots and Culture</td>
<td>VIET 049A,B Vietnamese Language &amp; Culture for Fluent Speakers</td>
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<td>WHP 040 Dance Appreciation</td>
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#### Area UC-B • Social and Behavioral Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
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<tbody>
<tr>
<td>ANTHR 003 Introduction to Cultural Anthropology</td>
<td>HIST 004A,B History of Western Civilization</td>
</tr>
<tr>
<td>ANTHR 045 Human Sexuality (Also PSYCH/SOC 045)</td>
<td>HIST 017A,B History of the United States to/since 1877</td>
</tr>
<tr>
<td>ANTHR 051 Culture and Food: A Multicultural Food Survey &amp; Sampling</td>
<td>HIST 020 History and Geography of California</td>
</tr>
<tr>
<td>ANTHR 055 Magic, Witchcraft And Religion</td>
<td>HIST 031 History of East Asia</td>
</tr>
<tr>
<td>COMM 025 Mass Communication and Society</td>
<td>HUMAN 007 International Films (Also listed as POLIT 007)</td>
</tr>
<tr>
<td>ECON 001A Principles of Macroeconomics</td>
<td>HUMAN 016A Hispanic Roots and Culture</td>
</tr>
<tr>
<td>ECON 001B Principles of Microeconomics</td>
<td>PHIL 005 Intro to Social &amp; Political Philosophy</td>
</tr>
<tr>
<td>GEOG 002 Introduction to Cultural Geography</td>
<td>POLIT 001 American Government</td>
</tr>
<tr>
<td>GLOBL 001 Global Perspectives (Also SOCSS 001)</td>
<td>POLIT 002 Comparative Government</td>
</tr>
<tr>
<td>GLOBL 001A State of the World (Also SOCSS 001A)#</td>
<td>POLIT 004 International Relations</td>
</tr>
<tr>
<td>GLOBL 002 Global Issues (Also SOCSS 002)</td>
<td>POLIT 006 Politics of Race, Class and Gender</td>
</tr>
<tr>
<td>GLOBL 003 Introduction to Peace (Also SOCSS 003)</td>
<td>POLIT 007 International Films (Also HUMAN 007)</td>
</tr>
<tr>
<td>GLOBL 004 The Developing World (Also SOCSS 004)</td>
<td>*POLIT 010 Introduction to Law and the Legal System</td>
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<tr>
<td>GLOBL 006 The Global Economy (Also SOCSS 006)</td>
<td>PSYCH 001 General Psychology</td>
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</table>

*POLIT 010 Introduction to Law and the Legal System
AREA UC-B • SOCIAL AND BEHAVIORAL SCIENCES CONTINUED

PSYCH 001H General Psychology-Honors
PSYCH 002A Experimental Psychophysiology (4)
PSYCH 007 Biological Psychology
PSYCH 010 Social Psychology
PSYCH 012 Human Growth and Development
PSYCH 015 Introduction to Research Methods
PSYCH 015H Introduction to Research Methods – Honors
PSYCH 020 Theories of Personality
PSYCH 025 Introduction to Abnormal Psychology
PSYCH 045 Human Sexuality (Also ANTHR/SOC 045)
PSYCH 048 Introduction to Child and Adolescent Psychology
SOC 001 Introduction to Sociology

SOC 002 Social Problems
SOC 021 Minorities in the U.S.
SOC 024 Social Aspects of Aging
SOC 038 American Culture through Film
SOC 040 Marriage and Family
SOC 043 Sociology of Religion
SOC 045 Human Sexuality (Also ANTHR/PSYCH 045)
SOC 046 Advance Human Sexuality: Current Issues
SOC 047 Sociology of Criminology
SOCSC 002 Global Issues (Also GLOBL 002)

AREA UC-S • PHYSICAL AND BIOLOGICAL SCIENCES

ANTHR 1 Physical Anthropology
ASTRO 1 Astronomy
ASTRO 003 Astronomy with Lab (4)
BIOSC 001A General Biology – Cells (5)
BIOSC 001B General Biology – Organisms (5)
BIOSC 004 Microbiology (5)
BIOSC 008 Exploring Biology
BIOSC 010 Introduction to Biology
BIOSC 011 Human Biology (4)
BIOSC 015 Human Genetics
BIOSC 016 Marine Biology
BIOSC 025 Environmental Biology
BIOSC 041 Principles of Animal Biology (5)
BIOSC 042 Principles of Plant Biology (5)
BIOSC 043 Principles of Cell and Molecular Biology (5)
BIOSC 043H Principles of Cell and Molecular Biology – Honors (5)

BIOSC 047 Human Anatomy (5)
BIOSC 048 Human Physiology (5)
BIOSC 048H Human Physiology – Honors (5)
CHEM 001A,B General Chemistry (5ea)
CHEM 001AH General Chemistry – Honors (5)
CHEM 002 Introductory Chemistry
CHEM 012A,B Organic Chemistry (5ea)
CHEM 030A Fundamentals of Chemistry (4)
CHEM 030B Fundamentals of Chemistry
ENGR 003 How Everyday Technology Works (4)
GEOG 001 Introduction to Physical Geography (3)
PHYS 2A,B General Physics (5ea)
PHYS 4A Engineering Physics – Mechanics (5)
PHYS 4B Engineering Physics - Electricity and Magnetism (5)
PHYS 4C Engineering Physics - Light and Heat (5)
PHYS 10 Introduction to Physics (4)
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

**UC Transfer**

**Admission Eligibility**

<table>
<thead>
<tr>
<th>Circle Completed Mission College Courses</th>
<th>Mt</th>
<th>AP</th>
<th>Need</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area UC-E • English Communication</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1A, 1B, 1C; PHIL 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course(s) from other college(s)</td>
<td>AP</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Area UC-M • Mathematical Concepts and Quantitative Reasoning</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1+, 2+, 3A, 3B, 4A, 4B, 4C, 8, 10, 19</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course(s) from other college(s)</td>
<td>AP</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Area UC-H • Arts and Humanities</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 1A, 1B, 1C, 1D, 4, 7, 10, 11; COMM 12; ENGL 1B, 5A, 5B, 6B, 7A, 7B, 12, 14, 15, 18, 43, 47, 48; FRNCH 2, 3, 4, 5, 6; GDES 11, 13; HIST 4A, 4B; HUMAN 1A, 1B, 7, 13, 15, 16A, 18, 20, 22; ITAL 2; JPNS 2, 3A, 3B, 4A; KIN 80; MUSIC 1, 2, 5, 5A, 10, 16, 17; PHIL 1, 2, 5; POLIT 3, 7; PORTG 49A, 49B; SPAN 2, 3, 4, 5, 6, 49A, 49B; VIET 2, 49A, 49B; WHP 40; Course(s) from other college(s)</td>
<td>AP</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Area UC-B • Social &amp; Behavioral Sciences</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTHR 3, 45, 51, 55; COMM 25; ECON 1A, 1B; GEOG 2; GLOBL 1, 1A, 2, 3, 4, 6; HIST 4A, 4B, 17A, 17B, 20, 31; HUMAN 7, 16A; PHIL 5; POLIT 1, 2, 4, 6, 7, 10*; PSYCH 1, 1H, 2A, 7, 10, 12, 15, 15H, 20, 25, 45, 48; SOC 1, 2, 21, 24, 38, 40, 43, 45*, 46*, 47; SOCSC 2 Course(s) from other college(s)</td>
<td>AP</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Area UC-S • Physical &amp; Biological Sciences</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTHR 1, 2, ASTRO 1; BIOSC 1A, 1B, 4, 8*, 10*, 11, 15, 16, 25, 41, 42, 43, 43H, 47, 48, 48H; CHEM 1A*, 1AH*, 1B*, 2*, 12A, 12B, 30A*, 30B*, ENGR 3; GEOG 1; PHYS 2A*, 2B*, 4A*, 4B*, 4C*, 10* Course(s) from other college(s)</td>
<td>AP</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Advising Chart**

GPA requirements vary by campus and major. Consult your specific major requirements at www.assist.org for updated information.

*Please consult the complete list of UC Transferable Courses at www.assist.org for possible transfer credit limitations. Courses listed in more than one area can only be used in a single area.

MC Office of Articulation 11.2013
Programs

The following programs were added or were changed for the 2013-2015 academic year after the catalog was published.

ACCOUNTING

Accounting Certificate of Achievement #22032

The Certificate of Achievement in Accounting offers a large selection of courses including first-year college accounting as well as more advanced and specialized courses. Courses in the program provide skills which lead to a number of goals, including career advancement for those already employed, self-employment as a bookkeeper or tax preparer, and completion of many courses needed to take the CPA exam.

Select at least 24 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCTG 001A</td>
<td>Financial Accounting</td>
<td>4.0</td>
</tr>
<tr>
<td>ACCTG 001B</td>
<td>Managerial Accounting</td>
<td>4.0</td>
</tr>
<tr>
<td>ACCTG 033</td>
<td>Projected Cash Flow and Financial Statements Using Excel</td>
<td>1.5</td>
</tr>
<tr>
<td>ACCTG 034</td>
<td>Businesses Financial Planning Using Excel</td>
<td>1.5</td>
</tr>
<tr>
<td>ACCTG 040</td>
<td>Introductions to Personal Financial Planning</td>
<td>1.0</td>
</tr>
<tr>
<td>ACCTG 041</td>
<td>Insurance Planning</td>
<td>1.0</td>
</tr>
<tr>
<td>ACCTG 042</td>
<td>Investment Planning</td>
<td>1.0</td>
</tr>
<tr>
<td>ACCTG 043</td>
<td>Tax Planning</td>
<td>1.0</td>
</tr>
<tr>
<td>ACCTG 044</td>
<td>Retirement Planning</td>
<td>1.0</td>
</tr>
<tr>
<td>ACCTG 045</td>
<td>Estate Planning</td>
<td>1.0</td>
</tr>
<tr>
<td>ACCTG 051A</td>
<td>Income Tax</td>
<td>3.0</td>
</tr>
<tr>
<td>ACCTG 051B</td>
<td>Income Tax</td>
<td>3.0</td>
</tr>
<tr>
<td>ACCTG 052</td>
<td>Payrolls and Business Tax Accounting</td>
<td>3.0</td>
</tr>
<tr>
<td>ACCTG 057A</td>
<td>Cost Accounting</td>
<td>4.0</td>
</tr>
<tr>
<td>ACCTG 057B</td>
<td>Cost Accounting</td>
<td>4.0</td>
</tr>
<tr>
<td>ACCTG 058A</td>
<td>Intermediate Accounting</td>
<td>4.0</td>
</tr>
<tr>
<td>ACCTG 058B</td>
<td>Intermediate Accounting</td>
<td>4.0</td>
</tr>
<tr>
<td>ACCTG 059A</td>
<td>Financial Auditing</td>
<td>4.0</td>
</tr>
<tr>
<td>ACCTG 060</td>
<td>Computerized Accounting: Quickbooks</td>
<td>3.0</td>
</tr>
<tr>
<td>ACCTG 065</td>
<td>Computerized Accounting: Peachtree</td>
<td>3.0</td>
</tr>
<tr>
<td>ACCTG 071</td>
<td>Advanced Accounting</td>
<td>4.0</td>
</tr>
<tr>
<td>BUS 021</td>
<td>Introductions to Business Computing</td>
<td>3.0</td>
</tr>
<tr>
<td>BUS 021L</td>
<td>Introduction to Business Computing Lab</td>
<td>1.0</td>
</tr>
<tr>
<td>BUS 028A</td>
<td>Business Law I</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units 24.0
BIOLOGICAL SCIENCES

Associate in Science in Biological Sciences #06286

To earn an A.S. Degree in Biological Science a minimum of 18 units of course work, distributed among the following courses, must be completed:

Select 18 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOSC 004</td>
<td>Microbiology</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOSC 010</td>
<td>Introduction to Biology</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOSC 011</td>
<td>Human Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOSC 012</td>
<td>Emerging Infectious Diseases</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOSC 015</td>
<td>Human Genetics</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOSC 016</td>
<td>Marine Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOSC 025</td>
<td>Environmental Biology</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOSC 030</td>
<td>Tropical Ecology</td>
<td>3.0</td>
</tr>
<tr>
<td>BIOSC 041</td>
<td>Principles of Evolution and Animal Biology</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOSC 042</td>
<td>Principles of Ecology and Plant Biology</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOSC 043</td>
<td>Principles of Cell and Molecular Biology</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOSC 047</td>
<td>Human Anatomy</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOSC 048</td>
<td>Human Physiology</td>
<td>5.0</td>
</tr>
<tr>
<td>ANTHR 001</td>
<td>Physical Anthropology</td>
<td>3.0</td>
</tr>
<tr>
<td>NS 015</td>
<td>Human Nutrition</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Total Units 18.0

BUSINESS

Associate in Science in Business Administration for Transfer #32426

The Associate in Science in Business Administration for Transfer degree is designed to provide students with the common core of lower division courses required to transfer and pursue a baccalaureate degree in Business Administration. This includes business degrees with options such as accounting, finance, human resources management, international business, management, operations management, and marketing. Students who complete this degree will satisfy all of the general education and lower division major requirements and be prepared for upper division coursework at the CSU.

In addition, students who complete this degree will:

1) analyze business situations involving legal issues and determine best course of action;
2) compare and contrast the role and function of systems and application software in business.

Possible career options include: Account Executive, Analyst, Bank Employee, Buyer, Data Entry Specialist, Entrepreneur, Financial Planner, Government Service, Insurance Rep, Investment Counselor, Manager, Public Administration, Purchasing Agent, Real Estate, Retail/Industry Sales, Stockbroker, Tax Consultant, and many more.

Continue on next page
To earn this Business AS-T, students must meet the following requirements:
A. Completion of the following major courses with grades of C or better;
B. Completion of a maximum of 60 CSU-transferable semester units with a grade point average of at least 2.0;
C. Certified completion of either the California State University General Education Breadth pattern (CSU GE-B) or the Intersegmental General Education Transfer Curriculum (IGETC).

Note: Completing courses that satisfy CSU’s U.S. History, Constitution and American Ideals requirement prior to transfer is highly recommended.

Core Curriculum Courses (Required)       Units
ACCTG 001A  Principles of Accounting       4.0
ACCTG 001B  Principles of Accounting       4.0
BUS 028A   Business Law I        3.0
ECON 001A  Principles of Macroeconomics      3.0
ECON 001B  Principles of Microeconomics      3.0

List A - Select one (1): 4 units       Units
MATH 010  Elementary Statistics       4.0
MATH 012  Calculus for Business and Social Sciences     4.0

List B - Select 6-8 units from the following:       Units
Any math course not selected from List A       4.0
BUS 021   Introduction to Business Computing       3.0
and
BUS 021L  Introduction to Business Computing Lab       1.0
BUS 051  Introduction to American Business      3.0
BUS 078B  Business Communications      3.0

Units required for the Major: 27-29 Units
Completion of CSU GE-B or IGETC Pattern
Electives as needed to reach 60 units

Total Units 60.0
# Computer Applications

**Computer Applications Level II Certificate of Achievement #22980**

The Computer Applications program is designed to provide students with a broad range of experience on some of the popular software packages used in business today. Only courses that have a grade of C or better may be used to satisfy requirements for a certificate.

## Major Requirements Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 033A</td>
<td>Word Processing - Course 1</td>
<td>3.0</td>
</tr>
<tr>
<td>CA 045A</td>
<td>Introductory Microsoft Project</td>
<td>1.0</td>
</tr>
<tr>
<td>CA 046D</td>
<td>Introduction to Microsoft PowerPoint</td>
<td>1.0</td>
</tr>
<tr>
<td>CA 062B</td>
<td>An Introduction to Microsoft Excel</td>
<td>1.0</td>
</tr>
<tr>
<td>CA 063B</td>
<td>Intermediate Microsoft Excel</td>
<td>2.0</td>
</tr>
<tr>
<td>CA 071E</td>
<td>Microsoft Outlook</td>
<td>0.5</td>
</tr>
<tr>
<td>CA 081B</td>
<td>Introduction to Microsoft Access</td>
<td>1.0</td>
</tr>
<tr>
<td>CA 082B</td>
<td>Intermediate Microsoft Access</td>
<td>2.0</td>
</tr>
<tr>
<td>CA 096A</td>
<td>Internet Use: Personal and Business 1</td>
<td>1.0</td>
</tr>
<tr>
<td>CA 096B</td>
<td>Internet Use: Personal and Business 2</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Plus 2.5 units from the following:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 010A</td>
<td>Learning the Keyboard</td>
<td>1.0</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CA 013</td>
<td>Ten-Key Numeric Keypad</td>
<td>1.0</td>
</tr>
<tr>
<td>CA 052</td>
<td>Computers Simplified for Beginning Learners</td>
<td>0.5</td>
</tr>
<tr>
<td>CA 084</td>
<td>Database: Check It Out!</td>
<td>1.0</td>
</tr>
<tr>
<td>CA 096F</td>
<td>Introduction to MS Expression Web</td>
<td>1.0</td>
</tr>
<tr>
<td>CA 097A</td>
<td>Creating Web Pages - Course 1</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Total Units 16.0**

---

# Computer Programming Certificate of Proficiency

The Computer Programming certificate prepares the student for jobs in business and government as information technology professionals specializing in computer programming.

## Choose a minimum of 12 units from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 007</td>
<td>Python Programming</td>
<td>4.0</td>
</tr>
<tr>
<td>CIS 037A</td>
<td>Introduction to C Programming</td>
<td>4.0</td>
</tr>
<tr>
<td>CIS 039</td>
<td>Introduction to Computer Systems</td>
<td>3.0</td>
</tr>
<tr>
<td>CIS 040</td>
<td>C++ Programming</td>
<td>4.0</td>
</tr>
<tr>
<td>CIS 041</td>
<td>Advanced C++ Programming</td>
<td>3.0</td>
</tr>
<tr>
<td>CIS 043</td>
<td>Software Development With Java</td>
<td>4.0</td>
</tr>
<tr>
<td>CIS 044</td>
<td>Introduction to Data Structures Using Java</td>
<td>4.0</td>
</tr>
<tr>
<td>CIS 045</td>
<td>Linux Essentials I</td>
<td>3.0</td>
</tr>
<tr>
<td>CIS 046</td>
<td>Linux Essentials II (Shell Programming)</td>
<td>3.0</td>
</tr>
</tbody>
</table>
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

CIS 060 Mobile Apps Programming - iPhone 4.0
CIS 063 Mobile Apps Programming - Android 4.0
CIS 065 C# .NET Programming 4.0
CIS 086 Web Development with PHP and MySQL 3.0

Total Units 12.0

COUNSELING

Associate in Arts in Liberal Arts

The Liberal Arts AA is designed for students who wish to pursue a broad knowledge of liberal arts and sciences coupled with additional studies in an “Area of Emphasis.” This degree is an ideal choice for students planning to transfer to the California State University or University of California because they can satisfy their general education requirements and focus on transferable coursework that relates to their majors and individual interests.

To earn this degree, students must meet the following requirements:
1. Choose option A or B or C for the General Education pattern related to your educational goal:
   A. Associate of Arts/Associate of Science General Education;
   B. California State University General Education Breadth (CSU GE-B); or
   C. Intersegmental General Education Transfer Curriculum (IGETC)

2. Complete a minimum of 18 units in one of the six Areas of Emphasis as outlined below.

COMMUNICATION IN THE ENGLISH LANGUAGE #18068
Select a minimum of 18 units from the approved CSU GE-B Area A. Include courses from at least 2 different disciplines.

These courses emphasize the content of communication as well as the form and should provide an understanding of the psychological basis and social significance of communication. Students will be able to assess communication as the process of human symbolic interaction. Students will also develop skills in the areas of reasoning and advocacy, organization, accuracy, reading and listening effectively. Students will be able to integrate important concepts of critical thinking as related to the development of analysis, critical evaluation, to reason inductively and deductively that will enable them to make important decisions regarding their own lives and society at large.

NATURAL SCIENCE & MATHEMATICS #490200
Select a minimum of 18 units from the approved CSU GE-B Area B list. At least one mathematics course and one science course must be included.

These courses emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. Courses in Math emphasize the development of mathematical and quantitative reasoning skills beyond the level of intermediate algebra. Students will be able to demonstrate an understanding of the methodologies of science as investigative tools. Students will also examine the influence that the acquisition of scientific knowledge has on the development of the world’s civilizations.
ARTS & HUMANITIES #18067
Select a minimum of 18 units from the approved CSU GE-B Area C. Include courses from at least 2 different disciplines.
These courses emphasize the study of cultural, literary and humanistic activities as well as artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students will also learn to value aesthetic understanding and incorporate these concepts when constructing value judgments.

SOCIAL & BEHAVIORAL SCIENCES #490100
Select a minimum of 18 units from the approved CSU GE-B Area D list. Include courses from at least 2 different disciplines.

These courses emphasize the perspectives, concepts, theories and methodologies of the disciplines typically found in the vast variety of disciplines that comprise study in the Social and Behavioral Sciences. Students will study about themselves and others as members of a larger society. Topics and discussion to stimulate critical thinking about ways people have acted in response to their societies will allow students to evaluate how societies and social subgroups operate.

NOTES:
1. Where appropriate, courses in the area of emphasis may also be counted in a GE area.
2. Elective courses may be necessary to total 60 overall units required.
3. All required courses are CSU transferable and most are UC transferable. Refer to www.assist.org for transfer details.
4. Approved CSU GE-B from any CCC will be accepted to satisfy requirements in the appropriate area of emphasis.
*ASIAN STUDIES & MULTICULTURAL STUDIES – (PENDING STATE APPROVAL)

FOREIGN LANGUAGE

Associate in Arts in Spanish for Transfer #32419
The Spanish A.A. Degree for Transfer is designed to provide students with an opportunity to acquire an upper-intermediate level of knowledge of the Spanish language and to familiarize them with Spanish-speaking cultures. A student completing the Spanish degree requirements will have a solid background in reading, writing, speaking and comprehending Spanish and will have acquired an understanding and appreciation of Latino cultures around the world and in relation to the U.S. Upon completing the program the student will have acquired a level of competence in Spanish that will increase marketability or enhance job performance in professions where knowledge of the Spanish language is necessary or helpful. The student will also be prepared for upper division coursework in Spanish at a four-year university.
To earn this Spanish AA-T, students must meet the following requirements:
   A. Completion of the following major courses with grades of C or better
   B. Completion of a maximum of 60 CSU-transferable semester units with a grade point average of at least 2.0; and
   C. Certified completion of either the California State University General Education Breadth pattern (CSU GE-B) or the Intersegmental General Education Transfer Curriculum (IGETC).

Note: Completing courses that satisfy CSU’s U.S. History, Constitution and American Ideals requirement prior to transfer is highly recommended.

Required core courses: Units
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 001</td>
<td>First Semester Spanish (Elementary Spanish)</td>
<td>5.0</td>
</tr>
<tr>
<td>SPAN 002</td>
<td>Second Semester Spanish (Elementary Level)</td>
<td>5.0</td>
</tr>
<tr>
<td>SPAN 003</td>
<td>Third Semester Spanish</td>
<td>5.0</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPAN 049A</td>
<td>Spanish for Heritage or Native Speakers</td>
<td>3.0</td>
</tr>
<tr>
<td>SPAN 004</td>
<td>Fourth Semester Spanish</td>
<td>5.0</td>
</tr>
</tbody>
</table>

Select one (1) courses from the following: Units
<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 050A</td>
<td>Basic Conversational Spanish and Culture</td>
<td>3.0</td>
</tr>
<tr>
<td>SPAN 050B</td>
<td>Basic Conversational Spanish and Culture</td>
<td>3.0</td>
</tr>
<tr>
<td>HUMAN 016A</td>
<td>Hispanic Roots &amp; Culture</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Units Required for the Major: 19-23 units
Completion of CSU GE-B or IGETC Pattern
Electives as needed to reach 60 units

Total Units 60.0

KINESIOLOGY

Associate in Arts in Kinesiology for Transfer #31397

The Kinesiology AA-T is designed to introduce the student to many facets of the science and study of movement. Kinesiology courses enhance skills and physical development in combatives, dance, individual and team sports and fitness, and provide a foundation for understanding human anatomy and physiology. Students completing this program successfully will be able to demonstrate an understanding of the major systems of the human body as they relate to movement and activity by identifying, explaining, and applying principles of anatomy and physiology in various contexts. Many opportunities exist for students who earn a Kinesiology degree. Careers include: coach, teacher, athletic trainer, sports management, sports medicine, dance therapy, choreography, among others. Students who complete the Kinesiology AA-T meet the lower-division requirements for transfer to a four-year program of study in Kinesiology.

Continue on next page
To earn this Kinesiology AA-T degree, students must meet the following requirements:

A. Completion of the following major courses with grades of C or better
B. Completion of a maximum of 60 CSU-transferable semester units with a grade point average of at least 2.0; and

C. Certified completion of either the California State University General Education Breadth pattern (CSU GE-B) or the Intersegmental General Education Transfer Curriculum (IGETC).

Note: Completing courses that satisfy CSU’s U.S. History, Constitution and American Ideals requirement prior to transfer is highly recommended.

Kinesiology Degree Core Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOSC 047</td>
<td>Human Anatomy</td>
<td>5.0</td>
</tr>
<tr>
<td>BIOSC 048</td>
<td>Human Physiology</td>
<td>5.0</td>
</tr>
<tr>
<td>KIN 078</td>
<td>Introduction to Kinesiology</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Movement Based Courses: Select three (3) courses from three (3) different movement based areas for a minimum of three (3) units: Aquatics, Combatives, Dance, Fitness, Individual Sports, Team Sports. 3.0 - 4.0

Combatives

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 050A</td>
<td>Tai Chi - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 050B</td>
<td>Tai Chi - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 051A</td>
<td>Aikido - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 051B</td>
<td>Aikido - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 053A</td>
<td>Karate - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 053B</td>
<td>Karate - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 055A</td>
<td>Self-Defense - Introduction</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Dance

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 040A</td>
<td>Modern Dance - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 041A</td>
<td>Ballet - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 041B</td>
<td>Ballet - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 041C</td>
<td>Ballet - Intermediate</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 041D</td>
<td>Ballet - Advanced</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 042A</td>
<td>Jazz Dance - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 042B</td>
<td>Jazz Dance - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 046A</td>
<td>Ballroom Dancing - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 046C</td>
<td>Ballroom Dance - Intermediate</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 046B</td>
<td>Ballroom Dancing - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 046D</td>
<td>Ballroom Dance - Advanced</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 047A</td>
<td>Hip Hop - Introduction</td>
<td>1.0</td>
</tr>
</tbody>
</table>
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

KIN 047B  Hip Hop - Beginning 1.0
KIN 048A  Latin Dance/Salsa - Introduction 1.0
KIN 048B  Latin Dance/Salsa - Beginning 1.0

**Fitness**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 030A</td>
<td>Pilates Matwork - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 030B</td>
<td>Pilates Matwork - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 031A</td>
<td>Step Aerobics - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 031B</td>
<td>Step Aerobics - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 032A</td>
<td>Aerobics-Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 032B</td>
<td>Aerobics- Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 033A</td>
<td>Kickboxing Fitness- Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 033B</td>
<td>Kickboxing Fitness - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 035A</td>
<td>Weight Training - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 035B</td>
<td>Weight Training - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 035C</td>
<td>Weight Training - Intermediate</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 037A</td>
<td>Cardio-Cross Training - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 037B</td>
<td>Cardio-Cross Training - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 038A</td>
<td>Lower Body Conditioning Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 038B</td>
<td>Lower Body Conditioning Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 038C</td>
<td>Lower Body Conditioning - Intermediate</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 038D</td>
<td>Lower Body Conditioning Advanced</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 061A</td>
<td>Hatha Yoga - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 061B</td>
<td>Hatha Yoga - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 061C</td>
<td>Hatha Yoga - Intermediate</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 063A</td>
<td>Hiking - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 063B</td>
<td>Hiking - Beginning</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Individual Sports Units**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 021A</td>
<td>Tennis - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 021B</td>
<td>Tennis - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 021C</td>
<td>Tennis - Intermediate</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 021D</td>
<td>Tennis - Advanced</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 021E</td>
<td>Tennis - Tournament</td>
<td>2.0</td>
</tr>
<tr>
<td>KIN 021F</td>
<td>Tennis - Doubles Strategies and Play</td>
<td>1.5</td>
</tr>
<tr>
<td>KIN 023A</td>
<td>Archery: Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 020A</td>
<td>Badminton- Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 020B</td>
<td>Badminton: Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 020C</td>
<td>Badminton - Intermediate</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Continue on next page
### Team Sports

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN 014A</td>
<td>Volleyball - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 014B</td>
<td>Volleyball - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 015A</td>
<td>Basketball - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 015B</td>
<td>Basketball - Beginning</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 019A</td>
<td>Soccer - Introduction</td>
<td>1.0</td>
</tr>
<tr>
<td>KIN 019B</td>
<td>Soccer - Beginning</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Select two (2) courses from the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOSC 011</td>
<td>Human Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>CHEM 001A</td>
<td>General Chemistry I</td>
<td>5.0</td>
</tr>
<tr>
<td>CHEM 030A</td>
<td>Fundamentals of Chemistry</td>
<td>4.0</td>
</tr>
<tr>
<td>MATH 010</td>
<td>Elementary Statistics</td>
<td>4.0</td>
</tr>
<tr>
<td>PHYS 002A</td>
<td>General Physics - Mechanics and Thermodynamics</td>
<td>5.0</td>
</tr>
</tbody>
</table>

**UNITS REQUIRED FOR THE MAJOR: 24-27**

*Completion of CSU GE-B or IGETC Pattern*

*Electives as needed to reach 60 units*

**Total Units 60.0**
PHYSICS

Associate in Science in Physics for Transfer #32262
The Physics AS-T provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in physics or physics education. Successful completion of the transfer degree in Physics guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Physics or a related field. Upon completion of the degree, students will understand the principles of physics and be able to apply these theoretical and analytical principles to real world situations.

Possible career options for students completing the Physics AS-T and transferring to a CSU include astronomer, architect, chemist, geologist, engineer, physicist, physical scientist, meteorologist and oceanographer.

To earn this Physics AS-T degree, students must meet the following requirements:
   A. Completion of the following major courses with grades of C (or P) or better
   B. Completion of 60 CSU-transferable semester units with a grade point average of at least 2.0; and
   C. Certified completion of either the California State University General Education Breadth pattern (CSU GE-B) or the Intersegmental General Education Transfer Curriculum (IGETC).

Note: Completing courses that satisfy CSU’s U.S. History, Constitution and American Ideals requirement prior to transfer is highly recommended.

Core Curriculum Courses:          Units
PHYS 004A  Engineering Physics-Mechanics      5.0
PHYS 004B  Engineering Physics-Electricity and Magnetism     4.0
PHYS 004C  Engineering Physics-Light and Heat       4.0
MATH 003A  Analytic Geometry and Calculus I       5.0
MATH 003B  Analytic Geometry and Calculus II       5.0
MATH 004A  Multivariable Calculus                             4.0

Units required for the Major: 27 Units
(10 units may be double-counted for GE)
Completion of CSU GE-B or IGETC Pattern
Electives as needed to reach 60 units

Total Units 60.0
Courses

The following courses were added or were changed for the 2013-2015 academic year after the catalog was published.

Accounting (ACCTG)

001A • FINANCIAL ACCOUNTING [REVISED COURSE] #200925
4.0 Units
Total Lecture: 72 hours
Advisory: MATH 903
This is the study of accounting as an information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. Included are issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. This course may be offered via distance learning. Grade Only.

001B • MANAGERIAL ACCOUNTING [REVISED COURSE] #141584
4.0 Units
Total Lecture: 72 hours
Advisory: MATH 903
Prerequisite: ACCTG 001A
This is the study of how managers use accounting information in decision-making, planning, directing operations and controlling. The focus is on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Included are issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments. This course may be offered via distance learning. Grade Only.

021A • BASIC ACCOUNTING I [REVISED COURSE] #150416
2.0 Units
Total Lecture: 36 hours
This is a first course designed to provide a "user-friendly" yet comprehensive introduction to basic accounting concepts and procedures. This course is recommended for individuals who: are new to accounting and need to acquire an understanding of essential concepts and procedures which other courses cover more quickly or require as prerequisites; may have had or are having difficulty in other accounting courses and would like to have additional explanation and extra practice; need to acquire an understanding of basic accounting; or need a basic accounting review, but do not have time for a standard course. This course includes basic business concepts, transaction analysis, the accounting cycle through trial balance, and the use of journals and ledgers. A supplementary math review for basic accounting is also provided. This course may be offered via distance learning. Pass/No Pass Option
021B • BASIC ACCOUNTING II (REVISED COURSE) #335226
2.0 Units
Total Lecture: 36 hours
Advisory: ACCTG 0021A
This course is the second of two courses designed to provide a “user-friendly” yet comprehensive introduction to basic accounting concepts and procedures. This course is recommended for individuals who: are new to accounting and need to acquire a thorough understanding of essential concepts and procedures which other courses cover more quickly or require as prerequisites; may have had or are having difficulty in other accounting courses and would like to have additional explanation and extra practice; need to acquire an understanding of basic accounting, or need a basic accounting review but do not have time for a standard course. This course continues the study of foundation concepts, terminology, and procedures. Topics include adjustments and closing, completing the accounting cycle, merchandising, and accrual vs. cash basis. A supplementary math review for basic accounting is also provided. This course may be offered via distance learning. Pass/No Pass Option

022 • BASIC ACCOUNTING PRINCIPLES AND PROCEDURES (REVISED COURSE) #440914
5.0 Units
Total Lecture: 90 hours
Accounting 022 is a step-by-step yet comprehensive introduction to accounting concepts, principles and procedures. The course is recommended for individuals who are new to accounting and need to acquire a thorough understanding of essential concepts, principles, and procedures that other courses may cover more quickly, and for those who need a review or who have had difficulty in other introductory accounting classes. This course introduces the student to: what a business is, assets and claims on assets, in-depth event (transaction) analysis, overview of the accounting process, how to use debits and credits, the general journal and ledger, adjustments, closing, introduction to financial statement preparation, and introduction to the conceptual framework of accounting. Following the emphasis on basic concepts, the course completes the full accounting cycle with the worksheet, merchandising operations, special journals, introduction to computerized accounting, and internal control for cash. A supplementary basic math review is also available. This course may be offered via distance learning. Pass/No Pass Option.

031 • PRACTICAL ACCOUNTING PROCEDURES (NEW COURSE) #552514
1.0 Units
Total Lecture: 18 hours
Advisory: ACCTG 001A
This is the study of practical accounting procedures used in accounting departments. Students work with procedures and documents such as sales, purchases and cash journals, subsidiary ledgers, adjusting entries using two methods, reversing entries, and cash control procedures. After satisfactory completion of this course, students are able to maintain accounting records for service and merchandising companies that use special journals and subsidiary ledgers, both methods of adjusting entries, reversing entries, and cash control procedures. Pass/No Pass Option.
057A • COST ACCOUNTING (REVISED COURSE) #220531
4.0 Units
Total Lecture: 72 hours
Prerequisite: ACCTG 001B
Advisory: MATH 903
The course provides a thorough presentation of cost accounting terminology and concepts, and develops a basic facility in cost accounting techniques and systems. Emphasis is placed on the use of cost accounting data rather than data accumulation. The course covers job order costing, process costing, standard costing, activity-based costing, budgeting, flexible budgeting, cost volume profit analysis, incremental and relevant costing, product pricing, the balanced scorecard, capital budgeting, and management accounting ethics. This course may be offered via distance learning. Grade Only.

058A • INTERMEDIATE ACCOUNTING (REVISED COURSE) #244910
4.0 units
Total Lecture: 72 hours
Advisory: MATH 903
Prerequisite: ACCTG 001A
Acceptable for credit: California State University
This course is a review of fundamental accounting processes, techniques and principles including control and theory of accounting for assets, correction of prior years’ earnings, and measurement and determination of income. Current standards and pronouncements are presented. This course may be offered via distance learning. Grade Only.

058B • INTERMEDIATE ACCOUNTING (REVISED COURSE) #273940
4.0 units
Total Lecture: 72 hours
Advisory: ACCTG 058A and MATH 903
Prerequisite: ACCTG 001A
Acceptable for credit: California State University
This course provides a comprehensive study of liabilities, formation and changes in stockholders’ equity, statement of cash flows, pension plans, leases, earnings per share, accounting for income taxes, and accounting changes and corrections. Current standards and pronouncements are presented. Financial statement analysis also is reviewed. This course may be offered via distance learning. Grade Only.
059A • FINANCIAL AUDITING (REVISED COURSE) #72847
4.0 Units
Total Lecture: 72 hours
Prerequisite: ACCTG 001A
Advisory: ACCTG 058A and ACCTG 058B
The course introduces the student to the audit process and how to render an opinion on published financial statements and related financial reports. The course emphasizes the application of generally accepted auditing standards and procedures, fraud exposure, professional ethics, the legal environment, work paper preparation and report writing. This course may be offered via distance learning. Grade Only.

060 • COMPUTERIZED ACCOUNTING: QUICKBOOKS (REVISED COURSE) #288018
3.0 Units
Total Lecture: 54 hours
Advisory: ACCTG 001A It is recommended that students have completed, or be concurrently enrolled in, ACCTG 001A or have previous accounting experience. In this course, students use QuickBooks accounting software to set up, enter transactions, and produce reports using general ledger, accounts receivable, accounts payable, financial statement analysis, depreciation, inventory and payroll modules. The course includes discussion of computer hardware and accounting software, choosing the right accounting software for your needs, error detection and correction, internal control in a computerized accounting system, and decision making based on output. It is recommended that students have either completed, or are concurrently enrolled in, ACCTG 001A or have practical accounting experience. This course may be offered via distance learning. Pass/No Pass Option.

065 • COMPUTERIZED ACCOUNTING: PEACHTREE (REVISED COURSE) #311839
3.0 Units
Total Lecture: 54 hours
Advisory: ACCTG 001A It is recommended that students have completed, or be concurrently enrolled in, ACCTG 001A or have previous accounting experience.
In this course, students use Peachtree by Sage accounting software to set up, enter transactions, and produce reports using general ledger, accounts receivable, accounts payable, financial statement analysis, depreciation, inventory and payroll modules. The course includes discussion of computer hardware and accounting software, choosing the right accounting software for your needs, error detection and correction, internal control in a computerized accounting system, and decision making based on output. It is recommended that students have either completed, or are concurrently enrolled in, ACCTG 001A or have practical accounting experience. This course may be offered via distance learning. Pass/No Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

070 • ETHICS IN ACCOUNTING (NEW COURSE) #552580
3.0 Units
Total Lecture: 54 hours
Prerequisite: ACCTG 001A
This course involves the study of ethical problems which arise within the contexts of accounting and corporate management. Topics include major ethical theories, professional code of conduct for accountants, auditors, and tax preparers. The focus is on ethical issues in corporate case studies such as Enron, Worldcom, Sunbeam, and Madoff. This course may be offered via distance learning. Grade Only.

Allied Health (AH)

914 • MATH FOR HEALTH OCCUPATIONS (REVISED COURSE) #501506
1.0 Units
Total Lecture: 18 hours
Advisory: MATH 903
This course is an introduction to math calculations for health occupations students. It provides the learner with the opportunity to explore the math functions within the health field. Students become competent with performing accurate calculations for the delivery of medications. Pass/No Pass Option.

Anthropology (ANTHR)

001 • PHYSICAL ANTHROPOLOGY (REVISED COURSE) #133021
3.0 Units
Total Lecture: 54 hours
The course introduces the concepts, methods of inquiry, and scientific explanation for biological evolution and its application to humans. It examines the evolution of human biology and behavior, theories of human origins, principle of evolution, genetics, human variation, bio-cultural adaptations, prehistoric humans, and primate behavior. The scientific method serves as the foundation for this course. This course may be offered via distance learning. Pass/No Pass Option.

Art (ART)

007• SURVEY OF ASIAN ART (REVISED COURSE) #215908
3.0 Units
Total Lecture: 54 hours
This course provides a general survey of the painting, sculpture, architecture and minor arts from prehistoric times to the present day in India, China, Korea, Japan, and Southeast Asia, emphasizing aesthetic, cultural and historical values. Pass/No Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

**033A • BASIC DESIGN: TWO-DIMENSIONAL** *(REVISED COURSE)* #322449
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
This course is an introduction to the principles and elements of two-dimensional design and composition. Pass/No Pass Option.

**033C • BASIC DESIGN: COLOR** *(REVISED COURSE)* #236222
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
Prerequisite: ART 033A
This course is an introduction to the principles and elements of color. Pass/No Pass Option

**065C • CERAMICS-HANDBUILDING** *(REVISED COURSE)* #175672
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
Prerequisite: ART 065BA
ART 065C focuses on different aspects of ceramics providing students with supervised participatory experience in which artistic skills are enhanced by repetition and practice. Pass/No Pass Option

**067D • CERAMICS-POTTER'S WHEEL** *(REVISED COURSE)* #66453
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
Prerequisite: ART 067C
ART 067D focuses on specialized clay bodies for a variety of glaze firing, specialized glazes for specific glaze characteristics, and specific artistic styles. Pass/No Pass Option

**Biological Science (BIOSC)**

**004 • MICROBIOLOGY** *(REVISED COURSE)* #378954
5.0 units
Total Lecture: 54 hours, Total Lab: 108 hours
Prerequisite CHEM 001A or CHEM 030A ; BIOSC 011 or Prerequisite BIOSC 022.
Acceptable for credit: University of California, California State University
This survey course in microbiology is intended for nursing and other health-science majors. Lecture topics include the morphology and physiology of the major groups of microorganisms, bacterial and viral genetics, mechanisms of infection and disease, and the human immune response to infection. Laboratory activities focus on techniques employed in the culture and identification of bacteria of medical importance. This course may be offered via distance learning. Grade Only.
012 • EMERGING INFECTIOUS DISEASES (NEW COURSE) #552685
3.0 Units
Total Lecture: 54 hours
This course is an introduction to infectious diseases and the microbes that cause them. Recent outbreaks of human diseases are explored, as well as interrelationships between infectious disease agents, human biology, and the environment. Clinical approaches and surveillance methods to detect, investigate, and monitor emerging pathogens and bioterrorism agents are discussed. This course may be offered via distance learning. Pass/No Pass Option.

015 • HUMAN GENETICS (REVISED COURSE) #297617
3.0 units
Total Lecture: 54 hours
Acceptable for credit: University of California, California State University
This course is a broad survey of human genetics, with a focus on conditions and diseases with a genetic basis. It is designed for the general education student. This course may also be offered via distance learning. Pass/No Pass Option.

030 • TROPICAL ECOLOGY (REVISED COURSE) #554700
3.0 Units
Total Lecture: 54 hours
The amazing diversity of life in the tropics is the subject of this introductory level class. Students explore rainforest inhabitants and their relationships, and learn about their value and conservation. This lecture course may be taken with or without BIOSC 030L, Tropical Ecology Lab. Pass/No Pass Option.

030L • TROPICAL ECOLOGY FIELD STUDIES (NEW COURSE) #552799
1.0 Units
Total Lab: 54 hours
In this introductory level class, students carry out research methods that ecologists use to observe and investigate tropical ecosystems. This lab course may be taken with or without BIOSC 030, Tropical Ecology. Pass/No Pass Option.

032 • CALIFORNIA PLANTS AND ANIMALS (NEW COURSE) #556279
3.0 Units
Total Lecture: 54 hours
This field course explores the ecology of California flora and fauna through the study of plants and animals in terrestrial and aquatic ecosystems, with a primary focus on the San Francisco Bay region. The role of abiotic and biotic factors in communities is emphasized. Students examine the natural history of common plants and animals in different ecosystems, as well as their adaptations to the environment. Native American uses of flora and fauna are discussed. Laboratory and field investigations are conducted using the scientific method and environmental sampling techniques. Selected regional conservation issues and endangered species are discussed. Recommended for non-science majors to fulfill laboratory science requirement (4-units). Pass/No Pass Option.
041 • PRINCIPLES OF EVOLUTION AND ANIMAL BIOLOGY (REVISED COURSE) #513475
5.0 Units
Total Lecture: 54 hours, Total Lab: 108 Hours
Prerequisite: High School or College biology course with lab. and MATH 000C (or any higher level mathematics course) and CHEM 002 (or any higher level chemistry course)
This course introduces the principles of animal biology and evolutionary theory to the biology major. Topics in zoology include animal phylogeny, diversity, ecology, natural history, morphology, physiology, and development. Grade Only.

Business (BUS)

078B • BUSINESS COMMUNICATIONS (REVISED COURSE) #213599
3.0 units
Total Lecture: 54 hours
Prerequisite ENGL 001A
Acceptable for credit: California State University
This course develops writing skills to improve communication ability in the business environment. Topics covered include communication theory, business writing style and oral communication. Various forms of written communication are covered such as letters, email, memorandums, and reports. This course may also be offered via distance learning. Pass/No Pass Option.

084 • INTERNET MARKETING (NEW COURSE) #552798
3.0 Units
Total Lecture: 54 hours
This course introduces students to Internet marketing techniques and examines how advanced technologies affect marketing functions. Consideration is given to the development of an organization's marketing strategies in this dynamic environment. This course may be offered via distance learning. Pass/No Pass Option.

201 • BUSINESS WORK EXPERIENCE (NEW COURSE) #552727
1.0 - 3.0 Units
Total Work Experience: 72 - 216 Hours
This course introduces the student to the workplace and allows a student to explore a chosen field of work. Students are selected based on their field of study, thereby extending the learning experience of the classroom to the workplace. Units of credit are awarded on the basis of number of hours of employment and the successful completion of learning objectives. Internships may be paid or unpaid, and offer many benefits besides money. For example, taking an internship can: * Show you what the working world is like * Teach you important skills, such as time management and computer skills * Help you choose a major * Inspire a career choice * Connect you with experienced people who can mentor you This course is intended for students intending to complete a certificate or degree in Business. Students can work in the private or public sectors, and can focus on one of several areas: * Supply Chain Internship * Purchasing Internship * Human Resource Internship * Sales Internship * Marketing Communications Internship Students will use information gained from other classwork and develop a foundation for future employment. Pass/No Pass Option.
Computer Applications (CA)

037A • SKILLS FOR SUCCESS: COMPUTERS, MS OFFICE, AND THE INTERNET (REVISED COURSE) #556836
3.0 units
Total Lecture 36 hours; Total Lab 54 hours
Advisory Eligibility for ENGL 001A and READ 053, CA 010A or CA 011, CA 070.
Acceptable for credit: California State University
This course provides students with an overview of computer hardware and software, the Internet, and Office Applications to improve their confidence and success in using computers. The course provides students with hands-on experience, and emphasis is placed on Microsoft Applications, specifically Word, Excel, PowerPoint and Access. Other Cloud applications are also explored. This course may also be offered via distance learning. Pass/No Pass Option.

092A • INTRODUCTION TO CLOUD TECHNOLOGIES AND SOCIAL MEDIA (REVISED COURSE) #527082
2.0 Units
Total Lecture: 36 hours
Advisory: CA 010A
This course is designed for anyone who wants to learn more about Web 2.0 and cloud technologies. This course provides an introduction to Web 2.0 applications, such as social networking sites (SNS), video-sharing sites, wikis, blogs and mashups. Students utilize Web 2.0 applications to facilitate interactive information sharing and collaboration via the Internet. This course may be offered via distance learning. Pass/No Pass Option.

Child Development (CHD)

008A • PRACTICUM A (REVISED COURSE) #513478
3.0 Units
Total Lecture: 18 hours, Total Lab: 108 Hours
Prerequisite: CHD 001, CHD 002, CHD 010, CHD 015, CHD 026
This course introduces students to developmentally appropriate early childhood teaching competencies under guided supervision. Students utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors and build a comprehensive understanding of children and families. All aspects of curriculum development and implementation are emphasized. Students work under the supervision of a practicum supervisor at the Mission College Child Development Center. Grade Only.
Communications (COMM)

001 • PUBLIC SPEAKING (REVISED COURSE) #121878
3.0 units
Total Lecture 54 hours
Advisory LIB 010, ENGL 001A, Eligibility for READ 053 or READ 054
Acceptable for credit: University of California, California State University
This is a basic course in speech communication that emphasizes the fundamentals of informative and persuasive speaking presented extemporaneously. The theory and techniques that are stressed include: research, critical evaluation, reasoning, organization, style, and delivery; the role of the listener in oral communication; and understanding the audience-speaker relationship. Grade Only.

001H • PUBLIC SPEAKING – HONORS (NEW COURSE) #552680
3.0 Units
Total Lecture: 54 hours
Advisory: LIB 010
This honors course is an enhanced version of the traditional curriculum, emphasizing the fundamentals of informative and persuasive speaking with extemporaneous speaking style. The theory and techniques that are stressed include: research, critical evaluation, reasoning, organization, style, and delivery; the role of the listener in oral communication; and understanding the audience-speaker relationship. Students cannot receive credit for both COMM 001 and COMM 001H. Enrollment in the Honors Transfer Project is required. Grade Only.

015 • FUNDAMENTALS OF COMMUNICATION (REVISED COURSE) #274572
3.0 units
Total Lecture 54 hours
Acceptable for credit: California State University
This course is an introduction to the basic principles and methods of oral communication. The course is divided into four major areas of study and skills practice: researching and presenting informative and persuasive presentations, leading and participating in meetings, employment interviewing, and interpersonal/ intercultural communication in career situations. Grade Only.

019A • COMMUNICATION ACTIVITIES (REVISED COURSE) #307908
1.0 unit
Total Lecture 18 hours
Acceptable for credit: California State University
In this course students participate in a variety of speech communication activities at a novice level. These may include leading conversation groups for ESL students, intercollegiate competition in individual speaking events and debate, and judging high school competitions. Students are required to meet one-on-one with the instructor regularly to conduct and assess activities. Pass/No Pass Option.


019B • COMMUNICATION ACTIVITIES (REVISED COURSE) #238737
1.0 unit
Total Lecture 18 hours
Acceptable for credit: California State University
Students participate in a variety of intermediate-level speech communication activities, such as intercollegiate competition in individual speaking events and debates, judging high school competitions, campus speaking events, and individual communication projects. Students meet with instructor on a one-to-one basis and in small groups for lecture-discussion on an arranged basis. Pass/No Pass Option.

019C • COMMUNICATION ACTIVITIES (REVISED COURSE) #339899
1.0 unit
Total Lecture 18 hours
Acceptable for credit: California State University
Students participate in a variety of advanced-level speech communication activities such as intercollegiate competition in individual speaking events and debates, judging high school competitions, campus speaking, and other individual communication projects. Students meet with the instructor on a one-to-one basis and in small groups for lecture-discussion. Pass/No Pass Option.

020H • ARGUMENTATION AND DEBATE – HONORS (NEW COURSE) #552581
3.0 Units
Total Lecture: 54 hours
This honors course provides an introduction to rhetorical theory and practice. Students engage in argumentation and debate while learning the means of discovering and supporting intelligent decisions and adapting them to particular audiences. Attention is given to distinguishing fact from inference; presenting, analyzing and refuting propositions of fact, value, and policy; identifying and applying types and methods of reasoning; correct use and analysis of evidence, and the identification and analysis of fallacies. Students cannot receive credit for both COMM 020 and COMM 020H. Enrollment in the Honors Transfer Project is required. This course may be offered via distance learning. Pass/No Pass Option.

Computer Information Systems (CIS)

086 • WEB DEVELOPMENT WITH PHP AND MYSQL (REVISED COURSE) #555848
3.0 units
Total Lecture 36 hours; Total Lab 54 hours
Advisory: CA 097A, CIS 037A, Eligibility for ENGL 001A and READ 053
This is an introductory course on web server side programming using PHP and MySQL. This course covers basic PHP programming elements including variables, strings, arrays, files and forms processing. It covers MySQL database basics and how to create a database driven web application. This course may be offered via distance learning. Pass/No Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

Economics (ECON)

001A • PRINCIPLES OF MACROECONOMICS (REVISED COURSE) #316017
3.0 units
Total Lecture 54 hours
Prerequisite MATH 903
Advisory MATH 000C
Acceptable for credit: University of California, California State University
This course is an introduction to macroeconomic analysis. Topics include determinants of national output, employment and price level, structure of macroeconomic models, macroeconomic equilibrium, economic growth, effects of fiscal and monetary policy, evolution of economic thought, and market systems and international economics. This course may be offered via distance learning. Grade Only.

001B • PRINCIPLES OF MICROECONOMICS (REVISED COURSE) #121285
3.0 units
Total Lecture 54 hours
Advisory: MATH 000C
Prerequisite MATH 903
Acceptable for credit: University of California, California State University
This course is an introduction to microeconomic analysis that focuses on choices of individual economic decision makers. Topics include scarcity and resource allocation; elasticity; market equilibrium in competitive and non-competitive market structures; consumer behavior; production decision; income distribution; market failure and effects of government intervention. This course may be offered via distance learning. Grade Only.

English (ENGL)

001A • ENGLISH COMPOSITION (REVISED COURSE) #261791
3.0 Units
Total Lecture: 54 hours
Prerequisite: ENGL 908 or qualifying score on the English Placement Assessment.
(Prior completion of English 108A, an older version of English 908, with a minimum grade of CR may be substituted for this prerequisite course.)
Advisory: LIB 010
This course emphasizes the techniques of English composition with emphasis on the process of learning to write clearly and effectively and to read analytically. English 001A fulfills the English requirement for the Associate degree; this is a baccalaureate course. This course may be offered via distance learning. Pass/No Pass Option.
905 • ENGLISH FUNDAMENTALS (REVISED COURSE) #352542
3.0 Units
Total Lecture: 54 hours
Prerequisite ESL 970G and ESL 970RW and ESL 970LS, or ESL 970GW and ESL 970RV and ESL 970LS
Corequisite READ 961 or READ 961 or Assessment at any higher level of reading or demonstration of
reading proficiency, ENGL 900
Concentration is on the writing of basic expository paragraphs and essays having grammatically
correct sentences and clear organization of ideas. There are no final letter grades for the course. The
course does not fulfill the English requirement for the Associate degree and is not a baccalaureate
level class. Pass/No Pass Option.

English as a Second Language (ESL)

930ECC • ESL FOR CHILD CARE PART I (NEW COURSE) #552197
3.0 Units
Total Lecture: 54 hours
Prerequisite: An appropriate score on the ESL Placement Test.
This high-beginning course develops oral and written communication skills in standard English
within the context of child care and parenting. Students practice the listening, speaking, reading, and
writing skills useful for communicating with and about children on topics including day-to-day care,
health and safety. This course is intended for non-native speakers of English who are parents,
grandparents, child care providers, preschool teachers, and students of Child Development. Pass/No
Pass Option.

930GW • HIGH BEGINNING GRAMMAR AND WRITING (REVISED COURSE) #345401
3.5 Units
Total Lecture: 54 hours, Total Lab: 27
Advisory: Concurrent enrollment in ESL 930RV and ESL 930LS is recommended.
Prerequisite: A qualifying score on ESL placement test.
In this course, students develop basic writing and grammar skills of standard written English.
Students practice and write simple sentences using correct word forms, word order, articles,
prepositions, spelling and punctuation within their written compositions. Pass/No Pass Option.
930LS • HIGH BEGINNING LISTENING AND SPEAKING (REVISED COURSE) #374583
3.5 units
(NON-ASSOCIATE DEGREE COURSE)
Total Lecture 54 hours Total Lab 27 hours
Advisory: Concurrent enrollment in ESL 930GW and ESL 930RV
Prerequisite: ESL 920 or a qualifying score on ESL placement test
In this course students receive guidance and extensive practice in listening and speaking at the word, phrase, and sentence level. Listening focuses on comprehension of verbal instructions, of vocabulary in context, and of ideas in sentences, monologs, and dialogs. Speaking focuses on the clear pronunciation of common words and phrases and the development of basic English pronunciation patterns of stress and intonation. This course includes one and a half hours of laboratory work weekly to facilitate skill development. Pass/No Pass Option.

930RV • HIGH BEGINNING READING AND VOCABULARY (REVISED COURSE) #358781
3.5 Units
Total Lecture: 54 hours, Total Lab: 27 Hours
Advisory ESL 930GW, ESL 930LS
Prerequisite Qualifying score on ESL placement test or ESL 920
Students receive guidance and extensive practice in reading and comprehending stories and articles written in simplified English. Students gain familiarity with the form and meaning of high-frequency vocabulary in context. This course includes laboratory work to facilitate skill development. Pass/No Pass Option.

940ECC • ESL FOR CHILD CARE PART I (NEW COURSE) #552196
3.0 Units
Total Lecture: 54 hours
Advisory: ESL 930ECC, ESL 930GW, ESL 930LS and ESL 930RV
This high-beginning course develops oral and written communication skills in standard English within the context of child care and child rearing. Students practice the listening, speaking, reading, and writing skills useful for communicating with and about children at various stages of development. This course builds on concepts and skills presented in ESL 930ECC. This course is intended for non-native speakers of English who are parents, grandparents, child care providers, preschool teachers, and students of Child Development. Pass/No Pass Option.
950G • INTERMEDIATE GRAMMAR  
(NON-ASSOCIATE DEGREE COURSE) (REVISED COURSE) #98680  
3.0 UNITS  
Total Lecture 54 hours  
Advisory: ESL 940RV and ESL 940LS with a C or better.  
Prerequisite: ESL 940GW or a qualifying score on the ESL placement test.  
This course focuses on the necessary intermediate grammar skills to support the development of  
speaking, reading and writing skills. The main focus is on compound and complex sentence  
development in both oral and written form. Topics to be addressed include adjective, adverb, and  
noun phrases and clauses, conditionals, infinitives, gerunds, sentence boundaries, punctuation, and  
the functions of parts-of-speech. This course may also be offered via distance learning. Pass/No Pass  
Option.

960G • HIGH INTERMEDIATE GRAMMAR (REVISED COURSE) #321066  
3.0 Units  
Total Lecture: 54 hours  
Prerequisite: A qualifying score on the ESL Placement Test; or ESL 950G or ESL 950GW  
Advisory: ESL 950RW and ESL 950LS  
This course for students at a high-intermediate level of ESL develops sentence variety in standard  
written English and accuracy in spoken English to support the refinement of speaking, reading and  
writing skills. Among elements the course focuses on are the study and practice of complex sentence  
structures, varied placement of sentence elements, participles, conditionals, and error correction.  
Pass/No Pass Option.

960RW • HIGH INTERMEDIATE READING AND WRITING (REVISED COURSE) #34209  
5.0 Units  
Total Lecture: 90 hours  
Prerequisite A qualifying score on the ESL placement test or ESL 950RW and ESL 950G  
Advisory ESL 950LS and ESL 960G  
This high intermediate course for non-native speakers focuses on developing fluency and accuracy in  
both reading and writing. Students develop strategies to understand and react to readings of  
progressively longer lengths from a variety of sources including personal, academic, literary, and  
professional. Students also develop the ability to write cohesive, well-organized, grammatically  
correct paragraphs in a variety of rhetorical patterns about both concrete and abstract topics. Pass/No  
Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

970GW • ADVANCED ESL COMPOSITION AND GRAMMAR (REVISED COURSE) #546050
5.0 Units
Total Lecture: 90 hours
Prerequisite Qualifying score on the ESL placement test; or ESL 960G and ESL 960RW; or ESL 960GW and ESL 960RV
This course continues developing skills in writing expository paragraphs and introduces the structure of the essay in standard academic written form. The focus is on a review of the paragraph skills attained in ESL 960RW (control of topic sentences and development of paragraphs which express a variety of rhetorical styles). Students expand paragraphs into essays and learn to edit their work effectively. Throughout the course, students review grammar and sentence structure focusing on the identification and correction of errors most typical of the non-native student. Pass/No Pass Option.

970RV • ADVANCED READING AND VOCABULARY (REVISED COURSE) #546051
3.0 Units
Total Lecture: 54 hours
Prerequisite: Qualifying score on the ESL placement test; or ESL 960RV and ESL 960GW, or ESL 960G and ESL 960RW
Advisory: ESL 960LS
Students will continue developing academic vocabulary using context clues, stems and affixes, and dictionary skills. Reading skills focus on inferencing, identifying bias, fact vs. opinion, main idea, paraphrasing, and summarizing. A novel and a library project are required. Pass/No Pass Option.

980 • EFFECTIVE WRITING FOR ADVANCED ESL STUDENTS (REVISED COURSE) #535474
4.0 Units
Total Lecture: 72 hours
Prerequisite: ESL 970LS or
Corequisite: ESL 970LS;
Prerequisite: ESL 970RV and ESL 970GW, or ESL 970G and ESL 970RW; or Qualifying score on the ESL placement test
This course is for students whose native language is not English. Students write academic essays and a short research paper. Emphasis is on the writing process, academic essay writing, and introductory research skills. The course also provides intensive practice with the sentence patterns, grammatical structures, and academic vocabulary necessary to produce clear, accurate prose. Pass/No Pass Option.
Graphic Design (GDES)

012 • HISTORY OF PHOTOGRAPHY (NEW COURSE) #553972
3.0 Units
Total Lecture: 54 hours
This course surveys the history of photography from its origins to the present. Students examine the practice of photography as an art form and as a form of visual communication in historical, socio-political and cultural contexts. This course may be offered via distance learning. Pass/No Pass Option.

015 • PHOTO-MEDIA AND SOCIAL CHANGE (NEW COURSE) #553973
3.0 Units
Total Lecture: 54 hours
This course examines the impact of a wide range of new photographic genres on global social change. This includes analysis of the historical and social context of photojournalism, art photography, and internet multi-media and their influence on culture. Students identify how photography in new media affects human rights and current perceptions of race, gender, sexual orientation, ethnicity and cultural identity. This course may be offered via distance learning. Pass/No Pass Option.

045 • WEB DESIGN WITH HTML AND CSS (REVISED COURSE) #191789
3.0 Units
Total Lecture: 54 hours
This introductory course focuses on the design and technical skills required to create effective web designs using HTML, CSS and a variety of software packages. The basic principles of type, color, and layout are explored, along with necessary basic coding skills. Emphasis is placed on using industry standard workflows and techniques to create compelling designs. This course may be offered via distance learning. Pass/No Pass Option.

047 • WEB ANIMATION (REVISED COURSE) #279493
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
Advisory GDES 045
This introductory course focuses on the skills required to create effective web animations using a variety of software applications. Principles of animation, visual communication, user interface design and web optimization are explored. The student develops an understanding of the role of animation on the internet in a series of hands-on exercises. A basic understanding of computer systems is assumed. This course may be offered via distance learning. Pass/No Pass Option.
062 • INTRODUCTION TO ADOBE ILLUSTRATOR (NEW COURSE) #553694
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
In this course, students use Adobe Illustrator to create vector-based graphics such as technical illustrations, logos, photo-realistic images, and other artwork used in print publications and the web. Techniques used by industry professionals are emphasized. This course may be offered via distance learning. Pass/No Pass Option.

063 • INTRODUCTION TO ADOBE INDESIGN (NEW COURSE) #553693
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
This introductory level course in page layout uses Adobe InDesign software. Students assemble a variety of printed pieces such as booklets, brochures, magazines, newspapers, newsletters, and other communication materials. Emphasis is on learning techniques used by graphics professionals to create full-color pieces integrating text, photos, and illustrations. This course may be offered via distance learning. Pass/No Pass Option.

066 • ADVANCED ADOBE ILLUSTRATOR (NEW COURSE) #552585
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
Advisory: GDES 062
This advanced level course uses Adobe Illustrator software. Designed for the student who wishes to continue with techniques and methods beyond the GDES 062 beginning course, students produce a variety of sophisticated digital illustrations. Emphasis is on technique as well as methodologies for creating illustrations with a distinctive style. This course may be offered via distance learning. Pass/No Pass Option.

067 • ADVANCED ADOBE INDESIGN (NEW COURSE) #552584
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
Advisory: GDES 063
This advanced level course uses Adobe InDesign software, and is designed for students who want to learn advanced techniques of page layout beyond those covered in GDES 63. Projects emphasize the creation of professional level pieces using industry standard techniques and best practices. Students create materials for both print and electronic publishing. This course may be offered via distance learning. Pass/No Pass Option.
068 • ADVANCED ADOBE PHOTOSHOP (NEW COURSE) #552583
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
Advisory: GDES 064 or Previous Photoshop experience.
This is an advanced course in Adobe Photoshop. This course provides instruction on: image manipulation, enhancement, and compositing; advanced special effects; and the creation of original product and fine art illustrations. This course is designed for students who have completed GDES 064 or students who have previous experience using Photoshop. This course may be offered via distance learning. Pass/No Pass Option.

070•USER EXPERIENCE, INTERFACE, AND MULTIMEDIA DESIGN (REVISED COURSE) #312478
3.0 Units
Total Lecture: 36 hours, Total Lab: 54 Hours
Advisory: GDES 064 or Previous Photoshop experience.
In this course students are introduced to the fields of User Experience Design and Interface Design. Key topics covered in this course are interaction design, mobile and desktop interface design, information architecture, user research, as well as UX planning documents such as wireframes and personas. Students learn many of the principles, processes, and techniques used to develop effective user interfaces. This course may be offered via distance learning. Pass/No Pass Option.

Health Occupations (HO)

019A • NURSING ASSISTANT FUNDAMENTALS (NEW COURSE) #553175
3.5 Units
Total Lecture: 54 hours, Total Lab: 27 Hours
Corequisite: HO 019B and H.ED 004 or must have a current certificate/card for Adult first Aid and CPR w/AED.
This beginning course in nursing fundamentals gives the student a foundation in the basic scientific principles required to provide health care in a skilled nursing facility. Students who successfully complete this course, along with HO 019B, are eligible to apply for the California Certified Nurse Assistant (CNA) examination. Grade Only.
019B • NURSING ASSISTANT CLINICAL EXPERIENCE (NEW COURSE) #553173
2.0 Units
Total Lab: 108 hours
Corequisite: HO 019A Students must pass the course with 75% or higher, and H.ED 004 Students are required to have current training card for adult First Aid with CPR & AED.
This clinical practicum provides the student with experience in the application of basic patient care skills in a skilled nursing facility. Students who successfully complete this course, along with HO 019A, are eligible to apply to take the examination California Certified Nurse Assistant (CNA). Pass/No Pass Only.

020 • INTRODUCTION TO PROFESSIONAL HEALTH CARE (NEW COURSE) #553171
0.5 Units
Total Lecture: 9 hours
Prerequisite: Acceptance into the Vocational Nursing or Psychiatric Technician career track, Possess current California Nurse Assistant Certificate (CNA), BIOSC 022, or BIOSC 047 and BIOSC 048.
Advisory: MATH 903 or AH 914 and AH 001A, AH 003 and H.ED 002
This course helps acquaint incoming vocational nursing and psychiatric technician students with Mission College, available student services, and the Health Occupations career tracks. It covers college orientation and information regarding Health Occupations policies and procedures, study skills, assignments, time management, and career opportunities. Pass/No Pass Only.

022 • PATIENT NURSING CARE FUNDAMENTALS (NEW COURSE) #553940
1.5 Units
Total Lecture: 27 hours
Prerequisite: Current California Nurse Assistant certification (CNA), and Acceptance into Health Occupations Vocational Nursing or Psychiatric Technician career track; BIOSC 022; or BIOSC 047 and BIOSC 048; AH 011 Students must have current Am. Heart Assoc., Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification; HO 020;
Corequisite: HO 023A; HO 023B; HO 024; HO 027 Students must pass the course with 75% or higher.
HO 025A VN students only or HO 025B PT students only; HO 026A VN students or HO 026B PT students; PSYCH 001 (for VN only; may be taken as a prerequisite) or PSYCH 012 (for PT only; may be taken as a prerequisite); HO 023C (PT students only; students must pass the course with 75% or higher);
Advisory: MATH 903 or AH 914, AH 001A, AH 003, H.ED 002.
This is a foundation course in which beginning Health Occupations students gain knowledge of fundamental principles and techniques necessary to provide basic nursing care to patients. Ethical and legal responsibilities of the vocational nurse and psychiatric technician are explored. Students utilize the nursing process and therapeutic communication while gaining competence in performing basic nursing procedures and skills, including administration of medications and enemas; performing physical assessments of body systems; collecting and ensuring integrity of diagnostic specimens; insertion of nasogastric tube; enteral feedings; airway suctioning; tracheostomy care; wound assessment and care, including application of dressings; as well as documentation of assessment findings, care provided and patient’s responses. Grade Only.
**023A BEG. MEDICAL-SURGICAL NURSING THEORY** (NEW COURSE) #553179

2.5 Units
Total Lecture: 45 hours
Prerequisite: Possess Current California Nurse Assistant certification (CNA and Acceptance into Health occupations Vocational Nursing or Psychiatric Technician career track; AH 011 Students must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification.; BIOSC 022, or BIOSC 047 and BIOSC 048; HO 020.
Corequisite: HO 022, HO 023A and HO 024, HO 027 Students must pass the course with 75% or higher.; HO 025A (For VN students) or HO 025B (for PT students); HO 026A (for VN students) or HO 026B (for PT students); PSYCH 001 (For VN students) or PSYCH 012 (For PT students); HO 023C (For PT students only). Students must pass the course with 75% or higher.
Advisory: MATH 903 or AH 914, AH 001A, AH 003 and H.ED 002
This course focuses on beginning level nursing care and interventions for patients with diseases or disorders of particular body systems. The nursing process is used as a critical thinking tool in understanding diagnostics, assessing manifestations experienced by the patient, identifying and implementing evidence-based nursing interventions, and evaluating outcomes. Students identify the roles of vocational nurses and psychiatric technicians in collaborating with other health team members and planning therapeutic management of patients with conditions affecting the musculoskeletal, neurological, neurosensory and reproductive systems. Includes six hours of related pharmacology content. Grade Only.

**023B • BEG. COGNITIVE DISABILITIES – MENTAL HEALTH THEORY** (NEW COURSE) #553167

1.0 Units
Total Lecture: 18 hours
Prerequisite: Possess Current California Nurse Assistant certification (CNA and Acceptance into Health occupations Vocational Nursing or Psychiatric Technician career track; BIOSC 022, or BIOSC 047 and BIOSC 048, AH 011 Students must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification ,HO 020.
Corequisite: HO 022, HO 023A, HO 024, HO 027 Students must pass the course with 75% or higher.; HO 025A VN students only or, HO 025B PT students only, HO 026A VN students only, or HO 026B PT students only, PSYCH 001 VN students or PSYCH 012 PT students; HO 023C PT students only. Students must pass the course with 75% or higher.
Advisory: MATH 903 or AH 914, AH 001A, AH 003 and H.ED 002
This beginning course is designed to present theoretical concepts of mental health disorders, legal and ethical principles, and approaches to assist the vocational nursing and psychiatric technician students to identify and understand therapeutic communication skills, psycho-pharmacological concepts and assessment skills in caring for persons with psychiatric disorders. Among these skills are objective and subjective observations and data collection through assessment of strengths and abnormalities in function and behavior across the lifespan. Includes two hours of related pharmacology content. Grade Only.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

023C • BEG. COGNITIVE DISABILITIES –

DEVELOPMENTAL DISABILITY THEORY (NEW COURSE) #552575

1.0 Units
Total Lecture: 18 hours
Prerequisite: Possess current California Nurse Assistant certification (CNA), and Acceptance into Health Occupations Psychiatric Technician career track, BIOSC 022, or BIOSC 047 and BIOSC 048, AH 011 Must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification and HO 020.
Corequisite: HO 022, HO 023A, HO 023B, HO 024 and HO 027 Students must pass the course with 75% or higher, HO 025B and HO 026B, PSYCH 012 Can be taken prior to entering the program.
Advisory: MATH 903 or AH 914, AH 001A, AH 003 and H.ED 002
This is a beginning course in which the causes of intellectual and development disorders are explored. Psychiatric Technician students learn to perform focused behavioral and functional assessments and plan behavioral modification interventions for enhancing quality of life within areas of interpersonal relations, social inclusion, physical well-being and personal development for clients with intelligence and developmental disorders. Includes two hours of related pharmacology content. Grade Only.

024 • PHARMACOLOGY A (NEW COURSE) #553176

1.0 Units
Total Lecture: 18 hours
Prerequisite: Possess current California Nurse Assistant certification (CNA), and Acceptance into Health Occupations Vocational Nursing or Psychiatric Technician career track; BIOSC 022, or BIOSC 047 and BIOSC 048, AH 011 - must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification, HO 020.
Corequisite: HO 022, HO 023A, HO 023B - Students must pass the course with 75% or higher, HO 025A - VN students only, or HO 025B - PT students only, HO 026A - VN students only or HO 026B - PT students only, HO 027 - Students must pass the course with 75% or higher, PSYCH 001 - VN students, or PSYCH 012 - PT students, HO 023C - PT students only; students must pass the course with 75% or higher.
Advisory: MATH 903 or AH 914, AH 001A, AH 003, H.ED 002
This beginning course in pharmacology presents the vocational nursing and psychiatric technician student with the basic principles of pharmacology. The emphasis is on defining pharmacological agents, the use of reference books, and the nursing implications in pharmacological therapy. The course covers the uses of pharmacological agents, precautions for use, side effects, medication interactions, contraindications, and patient teaching for safe and proper pharmacological agent use for patients with disorders of the musculoskeletal, neurological, neurosensory, and reproductive systems. Grade Only.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

025A • FUNDAMENTALS SKILLS/SIMULATION LAB (NEW COURSE) #552579

1.0 Units
Total Lab: 54 hours
Prerequisite: Possess current California Nurse Assistant certification (CNA), and acceptance into Health Occupations Vocational Nursing career track, BIOSC 022, or BIOSC 047 and BIOSC 048, AH 011 or must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification, HO 020.
Corequisite: HO 022, HO 023A, HO 023B, HO 024, HO 027 Students must pass the course with 75% or higher, PSYCH 001.
Advisory: MATH 903 or Advisory AH 914, Advisory AH 003, Advisory H.ED 002, AH 001A

This course allows the beginning vocational nursing student the opportunity to integrate the concepts of the nursing process, clinical reasoning, nursing theory, and nursing skills in a laboratory setting which simulates the clinical experience. Focus is placed on developing competence in performing basic nursing procedures and skills through practice on manikins, return demonstration of skills and participation in simulated clinical scenarios aimed to meet the needs of the medical-surgical and geriatric patients with musculoskeletal, neurological, neurosensory, reproductive and mental health disorders in inpatient and outpatient settings. Pass/No Pass Only.

025B • FUNDAMENTALS SKILLS/SIMULATION LAB (NEW COURSE) #552578

1.0 Units
Total Lab: 54 hours
Prerequisite: Possess current California Nurse Assistant certification (CNA), and acceptance into Health Occupations Vocational Nursing career track, BIOSC 022, or BIOSC 047 and BIOSC 048, AH 011 or must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification, HO 020.
Corequisite: HO 022, HO 023A, HO 023B, HO 024, HO 027 Students must pass the course with 75% or higher, HO 026B, PSYCH 012 (May be taken as a prerequisite.)
Advisory: MATH 903 or Advisory AH 914, Advisory AH 003, Advisory H.ED 002, AH 001A

This course allows the beginning psychiatric technician student the opportunity to integrate the concepts of the nursing process, clinical reasoning, nursing theory, and nursing skills in a laboratory setting which simulates the clinical experience. Focus is placed on developing competence in performing basic nursing procedures and skills through practice on manikins, return demonstration of skills and participation in simulated clinical scenarios aimed to meet the needs of the medical-surgical and geriatric patients with musculoskeletal, neurological, neurosensory, reproductive and mental health disorders in inpatient and outpatient settings. Pass/No Pass Only.
026A • BEG. CLINICAL PRACTICUM (NEW COURSE) #552577

5.0 Units
Total Lab: 270 hours
Prerequisite: Possess current California Nurse Assistant certification (CNA), and acceptance into Health Occupations Vocational Nursing career track, BIOSC 022, or BIOSC 047 and BIOSC 048, AH 011 or must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification, HO 020.
Corequisite: HO 022, HO 023A, HO 023B, HO 024, HO 027 Students must pass the course with 75% or higher, HO 025A, PSYCH 001 Can be taken prior to entering the program.
Advisory: MATH 903 or Advisory AH 914, Advisory AH 003, Advisory H.ED 002, AH 001A
This is a foundation course which provides the Vocational Nursing student clinical experiences during which they integrate standards of professional practice, theoretic principles of nursing, therapeutic communication, nursing process and basic nursing skills during supervised care to patients with acute or chronic medical-surgical concerns and mental illnesses. Students spend approximately seventeen hours each week in community agencies. Pass/No Pass Only.

026B • BEG. CLINICAL PRACTICUM (NEW COURSE) #552576

5.0 Units
Total Lab: 270 hours
Prerequisite: Possess current California Nurse Assistant certification (CNA), and acceptance into Health Occupations Vocational Nursing career track, BIOSC 022, or BIOSC 047 and BIOSC 048, AH 011 or must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification, HO 020.
Corequisite: HO 022, HO 023A, HO 023B, HO 023C, HO 024, HO 027 Students must pass the course with 75% or higher, HO 025B, PSYCH 012 (May be taken as a prerequisite.)
Advisory: MATH 903 or Advisory AH 914, Advisory AH 003, Advisory H.ED 002, AH 001A
This is a foundation course which provides the beginning psychiatric technician student clinical experiences during which they integrate research-based standards of professional practice, theoretic principles of nursing science, therapeutic communication, nursing process and basic nursing skills during supervised care to patients/clients with acute or chronic medical-surgical concerns, intellectual, developmental and mental health disabilities and disorders throughout the lifespan. Students spend approximately seventeen hours each week in community health care agencies. Pass/No Pass Only.
027 • NURSING PROCESS AND COMMUNICATION (NEW COURSE) #553177
2.0 Units
Total Lecture: 36 hours
Prerequisite: Possess current California Nurse Assistant certification (CNA), and acceptance into Health Occupations Vocational Nursing career track, BIOSC 022, or BIOSC 047 and BIOSC 048, AH 011 or must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification, HO 020.
Corequisite: HO 022, HO 023A, HO 023B, HO 024 Students must pass the course with 75% or higher, HO 023C (For PT students only) Students must pass the course with 75% or higher, HO 025A (For VN students only) or HO 025B (For PT students only), `HO 026A (For VN students only) or HO 026B (For PT students only), PSYCH 001 (For VN students only) or PSYCH 012 (For PT students only);
Advisory: MATH 903 or AH 914, AH 001A, AH 003, H.ED 002
This course is designed to provide the beginning health care practitioner with an introduction to the framework of nursing process and basic communication concepts. Both are essential to development of problem-solving and critical thinking abilities as well as the formation of trusting interpersonal relationships necessary to meet individualized needs of the client, family, and community. Vocational nursing and psychiatric technician students participate in activities designed to integrate therapeutic communication through each step of the nursing process that facilitates active engagement of the patient and family in health care management while supporting effective, collaborative teamwork among interdisciplinary healthcare members. Grade Only.

028 • CARE OF THE GERIATRIC PATIENT (NEW COURSE) #553169
1.0 Units
Total Lecture: 18 hours
This course is designed to give the vocational nursing student an introduction to the care of the elderly client both in an institutional and community setting. The focus is on viewing the last developmental stage of the adult as a normal progression of life, including the basic hierarchy of human needs. This last developmental stage is explored to prepare the vocational nurse for the adaptations associated with the aging process. This course is a required course that must be completed prior to students beginning the Health Occupations VN career track second semester. Non-Health Occupations students may enroll in this course as well. Grade Only.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

032 • CARE OF OBSTETRICAL AND NEONATAL PATIENTS (NEW COURSE) #553168
2.0 Units
Total Lecture: 36 hours
Prerequisite: HO 022, HO 023A, HO 023B, HO 024, HO 027, HO 028 Students must pass the course with a grade of 75% or higher, HO 025A, HO 026A, Students must pass the course to continue to the next semester, PSYCH 001.
Corequisite: HO 032A, HO 033B, HO 034, HO 035A Students must pass the course with a grade of 75% or higher, HO 036A Students must pass the course to continue to the next semester, NS 015 (May be taken as a prerequisite.)
Advisory: Students must have a current, valid cardiorespiratory resuscitation (CPR) license.
This course is designed to educate the vocational nursing student about their role in providing care as a member of the healthcare team in meeting the needs of patients during pregnancy, in labor and delivery, and the postpartum periods. This course focuses on the intermediate level concepts of the nursing process as it relates to the child-bearing family, including the care of neonates. This course includes assessing, developing, implementing and evaluating a plan of care that respects the individual’s cultural and ethnic child-bearing beliefs that have an impact on the mother and family. The course includes 3.5 hours of relevant pharmacology content. Grade Only.

033A • INT. MEDICAL/SURGICAL NURSING THEORY (NEW COURSE) #552572
2.0 Units
Total Lecture: 36 hours
Prerequisite: HO 022, HO 023A, HO 023B, HO 024, HO 027 Must pass the course with a grade of 75% or higher, HO 025A, HO 026A (For VN students) or HO 025B, HO 026B (For PT students), HO 023C (PT students only) Must pass course with 75% to move on to next semester, HO 028 (For VN students only). Must pass the course with a grade of 75% or higher. PSYCH 001 (VN students only) or PSYCH 012 (for PT students only.)
Corequisite: HO 032 and HO 033B (VN students only) Must pass the course with a grade of 75% or higher or HO 033C, HO 033D (PT students only) Student must pass the course with a grade of 75% or higher, HO 034 Must pass the course with a grade of 75% or higher, HO 035A, HO 036A (VN students only), HO 035B or HO 036B (PT students), NS 015 (VN students; may be taken as a prerequisite), PSYCH 001 (PT students only; may be taken as a prerequisite.)
This course focuses on nursing care and interventions for patients with diseases or disorders of particular body systems. The nursing process is used as a critical thinking tool in understanding diagnostics, assessing manifestations experienced by the patient, identifying and implementing evidence-based nursing interventions, and evaluating outcomes. Students identify the roles of vocational nurses and psychiatric technicians in collaborating with other health team members and planning therapeutic management of patients with conditions affecting the respiratory, cardiac, vascular, and urinary systems. Includes six hours of related pharmacology content. Grade Only.
033B • INT. PROJECT-BASED MEDICAL/SURGICAL REASONING (NEW COURSE) #552682
1.5 Units
Total Lecture: 27 hours
Prerequisite: HO 022, HO 023A, HO 024, HO 027 Must pass the course with a grade of 75% or higher, HO 025A, HO 026A Students must pass the course to continue on to the next semester, HO 028 Must pass the course with a “C” to move to second semester and PSYCH 001 May be taken before entering the program. Must pass with a “C” to move to the next semester.
Corequisite: HO 032, HO 033A, HO 034 Must pass the course with a grade of 75% or higher, HO 035A, HO 036A Must pass the course to move to the next semes ter and NS 015 Must pass the course with a "C" to move to the next semester. Course may be taken prior to first semester of the program. This course is designed to provide vocational nursing students opportunities to develop problem-solving and critical reasoning while practicing their professional roles as members of the health care team caring for patients with cardiac, vascular, respiratory, and urinary disorders. This is achieved through a variety of group activities and projects such as reviewing, analyzing, and formulating plans of care, concept mapping, case studies, research of evidence-based best practices, professional journal article critique, and patient teaching plans. The course includes 2.5 hours of relevant pharmacology content. Grade Only.

033C • INT. COGNITIVE DISABILITIES – MENTAL HEALTH THEORY (NEW COURSE) #552573
2.5 Units
Total Lecture: 45 hours
Prerequisite: HO 022, HO 023A, HO 023B, HO 023C, HO 024, HO 027 Must pass the course with a grade of 75% or higher, HO 025B, HO 026B, PSYCH 012.
Corequisite: HO 033A, HO 033D Must pass the course with a grade of 75% or higher, HO 034 - students must pass all PT courses with grade of 75% or higher, HO 035B, HO 036B, PSYCH 001 (May be taken as a prerequisite.)
This is an intermediate continuation course which is designed for psychiatric technician students to integrate previously learned theoretical mental health concepts with critical thinking as utilized in clinical practice. Students plan and evaluate therapeutic patient-centered goals and interventions considering cultural differences and the use of oral and written communication. These skills contribute to the establishment of the group process. Includes two hours of related pharmacology content. Grade Only.
033D • INT. COGNITIVE DISABILITIES –
DEVEL. DISABILITY THEORY (NEW COURSE) #553172

2.5 Units
Total Lecture: 45 hours
Prerequisite: HO 022, HO 023A, HO 023B, HO 023C, HO 024, HO 027 Students must pass the course with a grade of 75% or higher, HO 025B, HO 026B Must pass the course to move to the next semester, PSYCH 012.
Corequisite: HO 033A, HO 033C, HO 034 Must pass the course with a grade of 75% or higher, HO 035B, HO 036B,PSYCH 001 (May be taken as a prerequisite)
This is an intermediate continuation course in which psychiatric technician students explore genetic causes of intellectual and developmental disorders and integrate previously learned principles of cognitive and behavioral theory. They will explore planning and implementation interventions for enhancing quality of life through education and work by addressing social inclusion, interpersonal relations, personal development, self-determination and material well-being for the intellectually and developmentally disabled client. Includes two hours of related pharmacology content. Grade Only.

034 • PHARMACOLOGY B (NEW COURSE) #553174

1.0 Units
Total Lecture: 18 hours
Prerequisite: HO 022, HO 023A, HO 023B, HO 024, HO 027 Must pass the course with a grade of 75% or higher, HO 025A, HO 026A, HO 028 (VN students only) or HO 025B, HO 026B (PT students only), PSYCH 001 (For VN students) or PSYCH 012 (For PT students)
Corequisite: HO 033A Must pass the course with a grade of 75% or higher and HO 033C, HO 033D (For PT students only) Must pass the course with a grade of 75% or higher and HO 035A, HO 036A (For VN students only) or HO 035B, HO 036B (For PT students), NS 015 (May be taken as a prerequisite), PSYCH 001 (For PT students; may be taken as a prerequisite)
This is an intermediate continuation course in pharmacology that presents the basic principles of pharmacology to the vocational nursing and psychiatric technician student. The emphasis is on defining pharmacological agents and analyzing the nursing implications in pharmacological therapy. The course covers the uses of pharmacological agents, precautions for use, side effects, medication interactions, contraindications, and patient teaching for safe and proper pharmacological agents use for patients with disorders of the cardiac, vascular, respiratory and urinary systems. Grade Only.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

035A • INT. NURSING SKILLS/SIMULATION LAB (NEW COURSE) #552571
1.0 Units
Total Lab: 54 hours
Prerequisite: HO 022, HO 023A, HO 023B, HO 024, HO 027 Must pass the course with a grade of 75% or higher, HO 025A, HO 026A Must pass the course to move to the next semester, HO 028 May take prior to the beginning of the VN program. Must pass the course to move to second semester of the program, PSYCH 001 May take prior to the beginning of the program. Must complete before second semester of the VN program.
Corequisite: HO 032, HO 033A, HO 033B, HO 034 Must pass the course with a grade of 75% or higher, HO 036A Must pass the course to move to the next semester, NS 015 May take prior to beginning the program. Must pass with a "C" before moving to the next semester.
This course allows the intermediate vocational nursing student the opportunity to integrate the concepts of the nursing process, clinical reasoning, nursing theory, and nursing skills in a laboratory setting which simulates the clinical experience. Focus is placed on developing competence in performing basic nursing procedures and skills through practice on manikins, return demonstration of skills, and participation in simulated clinical scenarios aimed to meet the needs of the medical-surgical and geriatric patients with respiratory, cardiac, vascular, and urinary disorders, and obstetrical and neonatal patients in inpatient and outpatient settings. Pass/No Pass Only.

035B • INT. SKILLS/SIMULATION LAB (NEW COURSE) #553559
1.0 Units
Total Lab: 54 hours
Prerequisite: HO 022, HO 023A, HO 023B, HO 023C, HO 024, HO 027 Must pass the course with a grade of 75% or higher, HO 025B, HO 026B Must pass the course to move to the next semester, PSYCH 012.
Corequisite: HO 033A, HO 033C, HO 033D, HO 034, Must pass the course with a grade of 75% or higher, HO 036B Must pass the course to move to the next semester, PSYCH 001 (May take the class as a prerequisite)
This course allows the intermediate psychiatric technician student the opportunity to integrate the concepts of the nursing process, clinical reasoning, nursing theory, and nursing skills in a laboratory setting which simulates the clinical experience. Focus is placed on developing competence in performing basic nursing procedures and skills through practice on manikins and providing return demonstration of skills and participation in simulated clinical scenarios. These scenarios are aimed to meet the needs of the medical-surgical and geriatric patients with respiratory, cardiac, vascular, and urinary disorders; mental health disorders and developmental disabilities in inpatient and outpatient settings. Pass/No Pass Only.
036A • INT. CLINICAL PRACTICUM (NEW COURSE) #552574
5.0 Units
Total Lab: 270 hours
Prerequisite: Must have a current, valid CPR license card, HO 022, HO 023A, HO 023B, HO 024, HO 027 Must pass the course with a grade of 75% or higher, HO 025A, HO 026A, HO 028, PSYCH 001.
Corequisite: HO 032, HO 033A, HO 033B, HO 034, Must pass the course with a grade of 75% or higher, HO 035A Must pass the course to move to the next semester, NS 015 (May be taken as a prerequisite.)
This is an intermediate level experiential course which provides the vocational nursing student with clinical experiences during which they integrate standards of professional practice, theoretical principles of nursing, therapeutic communication, nursing process and basic nursing skills during supervised care to adult and neonatal clients with acute or chronic medical-surgical/obstetrical concerns. Students spend approximately fifteen hours each week in inpatient and/or community health facilities. Pass/No Pass Only.

036B • INT. CLINICAL PRACTICUM (NEW COURSE) #553939
5.0 Units
Total Lab: 270 hours
Prerequisite: Must have a current, valid CPR license card, HO 022, HO 023A, HO 023B, HO 023C, HO 024, HO 027 Must pass the course with a grade of 75% or higher, HO 025B, HO 026B, PSYCH 012.
Corequisite: HO 033A, HO 033C, HO 033D, HO 034, Must pass the course with a grade of 75% or higher, HO 035B, PSYCH 001.
This is a continuation course which provides the intermediate psychiatric technician student with supervised clinical experiences during which they integrate research-based standards of professional practice, theoretic principles of nursing science, therapeutic communication, nursing process and basic nursing skills during supervised care to patients/clients with acute or chronic medical-surgical concerns, mental illnesses and developmental disabilities. The focus is on application of theoretical principles utilized to increase individual levels of functioning; observation, management, and documentation of behavioral problems; and utilizing interpersonal skills and therapeutic strategies for communication. The emphasis throughout is on the practical application of theoretical principles for clients with cognitive disabilities and acute or chronic medical-surgical disorders throughout the lifespan. Students spend approximately fifteen hours each week in community agencies. Pass/No Pass Only.
042 • CARE OF THE PEDIATRIC PATIENT (NEW COURSE) #553170
2.0 Units
Total Lecture: 36 hours
Prerequisite: NS 015, HO 032, HO 033A, HO 033B, HO 034 Must pass the course with a grade of 75% or higher, HO 035A, HO 036A.
Corequisite: HO 043A, HO 043B, HO 044, HO 047 Must pass the course with a grade of 75% or higher. HO 045A, HO 046A, PSYCH 012 (May be taken as a prerequisite.)
This course is designed to give the vocational nursing student a working knowledge of the principles and skills necessary in the care of pediatric clients. The course focuses on advanced level concepts of the nursing process as it relates to the child and family, and includes client/family education, discharge planning, home care, and adaptations of nursing care to both hospital and home, including 3.5 hours of relevant pharmacology content. Grade Only.

043A • ADVANCED MEDICAL/SURGICAL THEORY (NEW COURSE) #552586
2.0 Units
Total Lecture: 36 hours
Prerequisite: HO 033A, HO 034 Must pass the course with a grade of 75% or higher, HO 032, HO 033B (VN students only) Must pass the course with a grade of 75% or higher or HO 033C, HO 033D (PT students only) - Must pass the course with a grade of 75% or higher, HO 035A, HO 036A, or HO 035B, HO 036B (PT Students only); NS 015 (VN Students only), PSYCH 001
Corequisite: HO 044 Must pass the course with a grade of 75% or higher, HO 042, HO 043B For VN students - Must pass the course with a grade of 75% or higher or HO 043C, HO 043D For PT students - Must pass the course with a grade of 75% or higher, HO 045A, HO 046A (VN Students only) or HO 045B, HO 046B (PT Students only), HO 047 For VN and PT students - Must pass the course with a grade of 75% or higher, NS 015 (for PT students; may be taken as a prerequisite), PSYCH 012 (VN students only; may be taken as a prerequisite)
This course focuses on advanced level nursing care and interventions for clients with diseases or disorders of particular body systems. The nursing process is used as a critical thinking tool in understanding diagnostics, assessing manifestations experienced by the patient, identifying and implementing evidence-based nursing interventions, and evaluating outcomes. Students identify the roles of vocational nurses and psychiatric technicians in collaborating with other health team members and planning therapeutic management of patients with conditions affecting the gastrointestinal, integumentary, endocrine, and hematological systems. Includes six hours of related pharmacology content. Grade Only.
043B • ADVANCED PROJECT-BASED MEDICAL
SURGICAL REASONING (NEW COURSE) #553938

1.5 Units
Total Lecture: 27 hours
Prerequisite: HO 032, HO 033A, HO 033B, HO 034 Must pass the course with a grade of 75% or higher, HO 035A, HO 036A, NS 015
Corequisite: HO 042, HO 043A, HO 044, HO 047 Must pass the course with a grade of 75% or higher, HO 045A, HO 046A, PSYCH 012 (May be taken as a prerequisite)
This course is designed to provide vocational nursing students opportunities to develop problem-solving and critical reasoning skills while practicing their professional roles as members of the health care team caring for patients with gastrointestinal, integumentary, endocrine, and hematological disorders. This is achieved through a variety of group activities and projects such as care planning, concept mapping, case studies, research of evidence-based best practices, professional journal article critique, and patient teaching plans. The course includes 2.5 hours of relevant pharmacology content. Grade Only.

043C - ADVANCED COGNITIVE DISABILITIES –
MENTAL HEALTH THEORY (NEW COURSE) #552527

2.5 Units
Total Lecture: 45 hours
Prerequisite: HO 033A, HO 033C, HO 033D, HO 034 Must pass the course with a grade of 75% or higher, HO 035B, HO 036B, PSYCH 001
Corequisite: HO 043A, HO 043D, HO 044, HO 047 Must pass the course with a grade of 75% or higher, HO 045B, HO 046B, NS 015 (May be taken as a prerequisite)
This is an advanced continuation course designed for psychiatric technician students to focus on previously learned mental health concepts and skills which constitute critical thinking as utilized in clinical practice. Students develop, analyze and evaluate principles of mental health, therapeutic, patient-centered, comprehensive plans of care for vulnerable and diverse populations in community and acute care settings. Includes two hours of related pharmacology content. Grade Only.
043D - ADVANCED COGNITIVE DISAB – DEVELOPMENTAL DISAB. THEORY (NEW COURSE) #552515

2.5 Units
Total Lecture: 45 hours
Prerequisite: HO 033A, HO 033C, HO 033D, HO 034 Must pass the course with a grade of 75% or higher, HO 035B, HO 036B, PSYCH 001
Corequisite: HO 043A, HO 043C, HO 044, HO 047 Must pass the course with a grade of 75% or higher, HO 045B, HO 046B, NS 015 (May be taken as a prerequisite)

This is an advanced course which focuses on integration of previous learning and skills which constitute critical thinking. It is designed to provide the psychiatric technician student with an understanding of the principles needed for the provision of comprehensive care for quality of life enhancement with a focus on self-determination, emotional well-being, social inclusion, rights, personal development, and physical well-being for mental healthcare and health promotion for the developmentally and intellectually disabled client. Students integrate their nursing knowledge with the principles of behavioral therapy and group communication process to plan care to a unique population of individuals with a multitude of physical and intellectual challenges. Includes two hours of related pharmacology content. Grade Only.

044 • PHARMACOLOGY C (NEW COURSE) #553178

1.0 Units
Total Lecture: 18 hours
Prerequisite: HO 034 - Must pass the course with a grade of 75% or higher, HO 033A, HO 032, HO 033B (VN students only) Must pass the course with a grade of 75% or higher and or HO 033C, HO 033D (PT Students only) - Must pass the course with a grade of 75% or higher, HO 035A, HO 036A (VN students only) or HO 035B, HO 036B (PT students only) and NS 015 (VN students only) PSYCH 001.

Corequisite: HO 043A Must pass the course with a grade of 75% or higher, HO 042, HO 043B (VN students only) - Must pass the course with a grade of 75% or higher or HO 043C, HO 043D (PT students only) - Must pass the course with a grade of 75% or higher, HO 045A, HO 046A (VN students only) or HO 045B, HO 046B (PT students only), HO 047 For VN and PT students Must pass the course with a grade of 75% or higher, and NS 015 (PT students only; may be taken as a prerequisite), PSYCH 012 (VN students only; may be taken as a prerequisite)

This is a continuation course in pharmacology designed to assist the psychiatric technician and vocational nursing student with the principles of pharmacology. Emphasis is on defining pharmacological agents, classes, precautions for use, side effects, medication interactions, contraindications, and patient teaching for safe and proper pharmacological agents used for patients with disorders of the endocrine, hematologic, integumentary, and gastrointestinal systems and for pediatric clients. Grade Only.
046A • ADVANCED CLINICAL PRACTICUM (NEW COURSE) #552582
5.0 Units
Total Lab: 270 hours
Prerequisite: Students must have current Am. Heart Assoc. Healthcare Provider or Am. Red Cross Professional Rescuer CPR/AED certification, HO 032, HO 033A, HO 033B, HO 034 Must pass the course with a grade of 75% or higher, HO 035A, HO 036A, NS 015.
Corequisite: HO 042, HO 043A, HO 043B, HO 044 Must pass the course with a grade of 75% or higher, HO 047 Must pass the course with a grade of 75% or higher, and PSYCH 012 (May be taken as a prerequisite), HO 045A.
This is an advanced level experiential course designed to give the student a working knowledge of the principles and skills necessary for providing nursing care in a variety of settings. Clinical experience is correlated with classroom learning and includes an emphasis on integrating the critical elements of nursing into the care of medical-surgical, geriatric and pediatric clients. Emphasis is placed on continued competence in critical thinking skills and in performing vocational nursing functions. The focus is on developing beginning leadership skills and transitioning from a student level to a novice level of practice. Pass/No Pass Only.

047 • LEADERSHIP AND PROFESSIONAL PRACTICE (NEW COURSE) #553941
1.5 Units
Total Lecture: 27 hours
Prerequisite: HO 032, HO 033B (VN only) Must have 75% or better to pass the course, HO 033A, HO 034 Must have 75% or better to pass the course, HO 033C, HO 033D (PT students only) - Must have 75% or better to complete the course, HO 035A, HO 036A (VN students only) or HO 035B, HO 036B (PT students only), NS 015 (VN students only), PSYCH 001 (PT students only).
Corequisite: HO 043A, HO 044 Must have 75% or better to pass the course, HO 042, HO 043B (VN students only) - Must have 75% or better to pass the course or HO 043C, HO 043D (PT students only) - Must have a 75% or better to pass the course, HO 045A, HO 046A (VN students only) or HO 045B, HO 046B (PT students only), NS 015 (PT students only; may be taken as a prerequisite), PSYCH 012 (VN students only; may be taken as a prerequisite)
The focus of this course is to prepare the vocational nursing and psychiatric technician student for application for the licensure/NCLEX examination and the transition to entry level professional practice. Course content includes: securing and maintaining licensure; exploration of employment opportunities; interviewing techniques/strategies, legal, ethical and socio-cultural aspects of client care; the effect of current issues and trends on clinical practice; and the development of leadership roles. Grade Only.
History (HIST)

015 • WORLD HISTORY TO 1500 **(NEW COURSE)** #557443 *(approved on 8/12/14)*
3.0 Units
Total Lecture: 54 Hours
This course is a survey of World Civilization from prehistoric times to 1500. Emphasis is on the major political, economic, social, cultural and intellectual movements that have molded world societies. This course may be offered via distance learning. Pass/No Pass Option.

016 • WORLD HISTORY SINCE 1500 **(NEW COURSE)** #552800
3.0 Units
Total Lecture: 54 Hours
This course is a survey of world civilizations from 1500 to the present. Emphasis is on the major political, economic, social, and intellectual movements that have molded world civilizations. This course may be offered via distance learning. Pass/No Pass Option.

017AH • HISTORY OF THE UNITED STATES TO 1877 – HONORS **(NEW COURSE)** #552683
3.0 Units
Total Lecture: 54 Hours
History 017AH is a survey of the political, economic, social, and cultural development of the United States from Native American settlement in America through Reconstruction. More rigorous assignments and research are expected in this course than in HIST 017A. Topics covered include the interaction between the indigenous peoples and European settlers in the development of the colonies, origins and consequences of the American Revolution, the development of democracy and constitutional government in America, westward expansion, the early factory system, isolationism and American foreign policy, slavery and its impact on race relations, antebellum reforms, abolitionism and sectional conflict, causes and consequences of the Civil War and Reconstruction. Students cannot get credit for both HIST 017A and HIST 017AH. Enrollment in the Honors Transfer Project is required. This course may be offered via distance learning. Pass/No Pass Option.

017BH • HISTORY OF THE UNITED STATES SINCE 1877 – HONORS **(NEW COURSE)** #552684
3.0 Units
Total Lecture: 54 Hours
This honors course is a survey of the political, economic, social and cultural history of the United States from 1877 to the present with more rigorous assignments and research than HIST 017B. Topics covered include industrialization and urbanization, the rise of big business, completion of westward expansion, Native American cultures, the Progressive Era, World War I, the 1920s and Franklin Roosevelt’s New Deal, World War II, the Cold War, the Vietnam War, the Civil Rights and other social, ethnic, and gender movements of the post-World War II era, and post-Cold War American domestic and foreign policy. Students cannot get credit for both HIST 017B and HIST 017BH. Enrollment in the Honors Transfer Project is required. (History 017AH is not a prerequisite to History 017BH.) This course may be offered via distance learning. Pass/No Pass Option.
Hospitality Management

Food Services (FDRST)

051 • BASIC FOOD PREPARATION  (REVISED COURSE) #555706
5.0 units
Total lecture 36 hours total lab 162 hours
Corequisite FDRST 051S
Acceptable for credit: California State University
This is a lecture and laboratory course dealing with the fundamentals of food preparation. Students practice the basic principles of food preparation and prepare small quantities of basic recipes from the cuisines of the world. This class covers beginning recipes including appetizers, soups, salads, main courses, breads, desserts and pastries. Materials Fee. Pass/No Pass Option.

055 • FOOD PURCHASING  (REVISED COURSE) #42425
3.0 units
Total Lecture 54 hours
Advisory: FDRST 051, Eligibility for ENGL 001A and READ 053.
Acceptable for credit: California State University
This course is a comprehensive study of the purchasing essentials applicable to any food service operation. "Value added" is a prevalent theme throughout the course as well as the ways in which value is added throughout the distribution channel. Main themes are the definition of and focus on "control points" within the purchasing process. Current trends, e-purchasing, current product information, distributor and operator ethics are also covered. This course may be offered via distance learning. Pass/No Pass Option

082 • INTRODUCTION TO CHOCOLATE AND CONFECTIONARY  (NEW COURSE) #552797
2.0 Units
Total Lecture: 18 hours
This class introduces students to chocolate and sugar confectionary work. It is a core curriculum course for the Baking and Pastry A.S. degree or certificate. It covers chocolate and sugar confectionary techniques. Tempering, molding and decorating with chocolate and sugar confections and decorations are practiced. Pass/No Pass Option.
Humanities (HUMAN)

016A • HISPANIC ROOTS & CULTURE (REVISED COURSE) #265159
3.0 Units
Total Lecture 54 hours
This course undertakes a chronological study of Hispanic culture beginning with the Pre-Colombian civilizations and continuing to the present. Emphasis is placed on understanding today’s Hispanic world view which has resulted from the unique cultural and historical heritage of indigenous and Spanish, as well as Northern American cultures. Aspects of culture and values reflected in art, literature, and music are examined. Pass/No Pass Option.

020 • ASIAN ROOTS AND CULTURE (REVISED COURSE) #326446
3.0 units
Total Lecture 54 hours
Acceptable for credit: University of California, California State University
This course provides an introduction and overview to the lands, peoples, languages and cultures of Asia beginning with the prehistoric times and continuing to the present. Emphasis is placed on understanding the Asian world view. Aspects of culture and values reflected in art, literature, philosophy/religion, and music are examined. Pass/No Pass Option.

Interdisciplinary Studies (IS)

010 • PEER TUTOR AND MENTOR TRAINING (NEW COURSE) #552193
1.0 Units
Total Lecture: 18 hours
This course provides students with effective learning strategies and academic assistance techniques for peer tutoring and mentoring in a community college setting. This course also emphasizes skills in communication, problem solving, critical thinking, structuring learning experience and handling challenging situations. This course may be offered via distance learning. Pass/No Pass Option.

015 • ADVANCED TRAINING FOR PEER TUTORS AND MENTORS (NEW COURSE) #552198
1.5 Units
Total Lecture: 27 hours
Advisory: IS 010
This is a second level peer tutor and mentor training course. Topics include roles and responsibilities of tutors and mentors, strategies for working with adult students, identifying and using campus services and other resources to assist students, assessing or changing study behaviors, communication strategies, group facilitation strategies, and assisting students with disabilities. This course may be offered via distance learning. Pass/No Pass Option.
030 • DIGITAL STUDY STRATEGIES FOR ONLINE AND ONSCREEN MATERIALS (NEW COURSE) #552191

2.0 Units
Total Lecture: 36 hours
This course teaches study strategies for digital materials and online course assignments. Topics include: reading and studying online textbooks, taking and organizing digital notes, communication strategies for blogs, wikis and discussion board posts, techniques for successful online group work, scheduling yourself to do online course homework, using virtual calendars to manage your time, and using electronic resources such as phone/tablet apps and Web 2.0 tools to personalize your learning. This course may be offered via distance learning. Pass/No Pass Option.

949 • COLLEGE STUDY SKILLS (NON-ASSOCIATE DEGREE COURSE) (REVISED COURSE) #523645

1.0 unit
Total Lecture 18 hours
Advisory Eligibility for English 905.
Prerequisite ESL 960RW
This course is designed to help students analyze their study skills needs and to help students learn and apply needed study skills techniques. Techniques and strategies to be explored may include time management, note taking, preparation for and taking of examinations, textbook study strategies, and using campus support systems effectively. The emphasis is on metacognition and mastering and applying the skills needed in order to facilitate successful studying and independent learning. This course may be offered via distance learning. Pass/ No Pass Option.

Kinesiology (KIN)

015C • BASKETBALL: INTERMEDIATE (NEW COURSE) #553974

1.0 Units
Total Lab: 54 hours
Advisory: KIN 015B
This course is designed to teach the intermediate skills and techniques of basketball. Building upon skills learned in KIN 015B, drills are used to develop and enhance shooting, passing, rebounding, and defensive skills. Scrimmages are utilized to develop team play concepts. Pass/No Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

030C • PILATES MATWORK – INTERMEDIATE (NEW COURSE) #553323
1.0 Units
Total Lab: 54 hours
This course is the study and practice of Joseph Pilates’ Physicalmind Conditioning Method at an intermediate level. Through the study of matwork, the student improves physical well-being including flexibility, strength and breathing techniques. Pass/No Pass Option.

030D • PILATES MATWORK – ADVANCED (NEW COURSE) #553937
1.0 Units
Total Lab: 54 hours
Advisory: KIN 030B
This course is the study and practice of Joseph Pilates’ Physicalmind Conditioning Method at an advanced level. Prior Pilates practice is strongly recommended. Pass/No Pass Option.

039D • FIRE AGILITY: ADVANCED (NEW COURSE) #552806
2.0 Units
Total Lab: 108 hours
Advisory: KIN 039C
This course covers the advanced skills and techniques designed to enhance the overall fitness level of the Fire Technology student in order to prepare them to successfully complete the CPAT and other fire agencies physical agility tests. Building upon the skills learned in KIN 039A, 039B and KIN 039C, the emphasis is on advanced training methodologies. Advanced resistance training techniques, plyometric speed and agility training and cardiovascular workouts are utilized. Non-Fire Technology students are also welcome. Pass/No Pass Option.

042C • JAZZ DANCE – INTERMEDIATE (NEW COURSE) #552805
1.0 Units
Total Lab: 54 hours
Advisory: KIN 042B
This course is designed for the intermediate level student. Emphasis is placed on the varied theories, styles and techniques of the jazz dance idiom. Practice and performance opportunities are available at an intermediate level. Pass/No Pass Option.

047C • HIP HOP – INTERMEDIATE (NEW COURSE) #556166
1.0 Units
Total Lab: 54 hours
This course is the study and practice of hip hop at an intermediate level. Students learn choreography as well as create their own style and routines. Pass/No Pass Option.
047D • HIP HOP – ADVANCED (NEW COURSE) #553942
1.0 Units
Total Lab: 54 hours
This course is the study and practice of hip hop at an advanced level. Students learn choreography as well as create their own style and routines. Pass/No Pass Option.

055B • SELF DEFENSE – BEGINNING (NEW COURSE) #554056
1.0 Units
Total Lab: 54 hours
Advisory: KIN 055A
This course reviews the fundamental skills, strategy, and tactics of self-defense. Emphasis is on refinement of skills and incorporates additional take downs and ground fighting tactics. Pass/No Pass Option.

061D • HATHA YOGA – ADVANCED (NEW COURSE) #552804
1.0 Units
Total Lab: 54 hours
This class emphasizes the physical practice of yoga at an advanced level. A prior yoga practice is strongly encouraged. Relaxation and meditation techniques are also incorporated. Pass/No Pass Option.

063C • WALK / JOG FOR FITNESS – INTRODUCTION (NEW COURSE) #552803
1.0 Units
Total Lab: 54 hours
This course introduces the student to elementary walking and jogging. Students improve aerobic and muscular fitness. Proper warm-up, stretching, and cool down are introduced. Fitness goals are established and monitored throughout the course. Pass/No Pass Option.

063D • WALKING / JOGGING FOR FITNESS – BEGINNER (NEW COURSE) #552802
1.0 Units
Total Lab: 54 hours
This course introduces the student to beginning walking and jogging. Students improve aerobic and muscular fitness. Proper warm-up, stretching, and cool down are introduced. Fitness goals are established and monitored throughout the course. Pass/No Pass Option.
084 • INTERCOLLEGIATE VOLLEYBALL (NEW COURSE) #552801
3.0 Units
Total Lab: 162 hours
This course is designed to allow the student the opportunity to further their volleyball skills at a competitive, intercollegiate level. Pass/No Pass Option.

086 • INTERCOLLEGIATE BASKETBALL (REVISED COURSE) #535019
3.0 Units
Total Lab: 162 hours
Advisory: KIN 096
This course is designed for women students interested in competing for an intercollegiate basketball team. This course is designed to allow the student the opportunity to play intercollegiate basketball. Basketball skills and conditioning are emphasized. Practice consists of both mental and physical training. Pass/No Pass Option.

087 • INTERCOLLEGIATE SOCCER (REVISED COURSE) #535020
3.0 Units
Total Lab: 162 hours
Advisory: KIN 095 or Prior participation in high school soccer athletics.
This course is designed to allow the student the opportunity to further their soccer skills at a competitive, intercollegiate level. Pass/No Pass Option.

088 • INTERCOLLEGIATE SOFTBALL (REVISED COURSE) #535021
3.0 Units
Total Lab: 162 hours
Advisory: KIN 093
This course is designed to allow the student the opportunity to further their softball skills at a competitive, intercollegiate level. Pass/No Pass Option.

089 • INTERCOLLEGIATE TENNIS – WOMEN (REVISED COURSE) #535022
3.0 Units
Total Lab: 162 hours
This course is designed for women students interested in intercollegiate tennis competition. Practice consists of both mental and physical training. Pass/No Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

090 • INTERCOLLEGIATE BASEBALL (REVISED COURSE) #535023
3.0 Units
Total Lab: 162 hours
Advisory: KIN 097
Advisory: High school or higher baseball experience is recommended. This course is intercollegiate baseball competition for men. This course is designed to allow the student the opportunity to further their baseball skills at a competitive, intercollegiate level. Pass/No Pass Option.

091 • INTERCOLLEGIATE SOCCER (REVISED COURSE) #535024
3.0 Units
Total Lab: 162 hours
Advisory: KIN 095
This course is intercollegiate soccer competition for men. The course is designed to allow the student the opportunity to further their soccer skills at a competitive, intercollegiate level. Pass/No Pass Option.

092 • INTERCOLLEGIATE TENNIS-MEN (REVISED COURSE) #535025
3.0 Units
Total Lab: 162 hours
Advisory: KIN 094
This course is designed for male students interested in competing for an intercollegiate tennis team. Pass/No Pass Option.

Library (LIB)

010H - INFORMATION COMPETENCY – HONORS (NEW COURSE) #552195
1.0 Units
Total Lecture: 18 hours
This course covers the basic elements of information competency by introducing students to the nature of research and the role of the library in research, including finding, analyzing, organizing, and presenting information and the legal and ethical aspects of research. Students are introduced to a variety of information resources including print, media, electronic formats and the World Wide Web. Students cannot get credit for both LIB 010 and LIB 010H. Enrollment in the Honors Transfer Project is required. This course may be offered via distance learning. Pass/No Pass Option.
920 • INFORMATION COMPETENCY WORKSHOP (NONCREDIT) (NEW COURSE) #95570
No Credit
Total Lab 9 hours
This non-credit course consists of a series of workshops addressing specific areas of Information Competency. The workshops will help students gain proficiency in all aspects of Information Competency including Research Strategies and Using Reference Materials, Searching Online Catalog, Locating Journal and Newspaper Articles, Using the Internet, and Legal Aspects of Information: Citing Sources, Plagiarism, Copyright. Students may attend all or part of the offered workshops. No Grade.

LVNRN (LVNRN)

021A - ROLE TRANSITION CLINICAL (REVISED COURSE) #501510
1.0 Units
Total Lab: 54 hours
Prerequisite: ENGL 001A
Corequisite: LVNRN 021
This course involves directed clinical experiences in a simulated acute hospital and simulated community healthcare agencies that provide services for perioperative and medical/surgical clients. Through the use of the nursing process, the student provides care, teaching, support and rehabilitation to perioperative and medical/surgical clients. Emphasis is on the role of the registered nurse caring for clients with acute and chronic problems. Pass/No Pass Option.

033 • INTRODUCTION TO CLINICAL JUDGMENT (REVISED COURSE) #504780
1.0 Units
Total Lab: 54 hours
Prerequisite: LVNRN 021 and Completion of ENGL 1A, LVNRN 021A
Corequisite: LVNRN 032A, LVNRN 032, LVNRN 031A, LVNRN 031
This course allows the registered nursing student to integrate the concepts of critical thinking, critical reasoning, nursing theory, and nursing skills in a laboratory setting which simulates the clinical experience. This course integrates nursing theory and clinical learning experiences through the use of case studies, clinical narratives, participation in clinical simulation scenarios with computerized manikins, and class discussion. This simulated clinical experience enhances the student’s nursing theory course classroom learning. The emphasis will be upon the role of the registered nurse caring for acute medical-surgical and geriatric patients with acute and chronic problems in the nursing simulation lab. Emphasis is placed on developing competence in critical thinking and in leadership skills. Pass/No Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

034 • INTERMEDIATE CLINICAL PRACTICUM (REVISED COURSE) #522917
4.0 Units
Total Lab: 216 hours
Prerequisite: ENGL 001A; LVNRN 021 and LVNRN 021A Students must complete all nursing course with 75% score or higher
Corequisite: LVNRN 031; LVNRN 032 and LVNRN 033 Students must complete all nursing course with 75% score or Higher
This course provides the nursing student with directed clinical experiences in acute care hospitals and a variety of community healthcare agencies for adult and geriatric patients/clients. The nursing student will provide comprehensive, holistic patient/client care and teaching to assist the individuals who have acute or chronic illness in the medical-surgical and mental health/psychiatric settings to meet their health needs while incorporating the standards of professional practice and the Neuman Systems Model. Pass/No Pass Option.

041 • ADVANCED MATERNAL-CHILD NURSING (REVISED COURSE) #508847
2.0 Units
Total Lecture: 36 hours
Prerequisite: ENGL 001A; LVNRN 031, LVNRN 032, LVNRN 033 Students must pass with a grade of 75% or higher; LVNRN 034
Corequisite: LVNRN 042; LVNRN 044, LVNRN 050 Students must pass with a grade of 75% or higher
This course focuses on the nursing process as it relates to the child-bearing and child-rearing family. The nurse’s roles of provider, manager of care, and member of the profession are explored in meeting the needs of patients in labor and delivery, mother-baby, and pediatrics. This course focuses on assessing, developing, implementing and evaluating a plan of care that respects the individual’s cultural and ethnic child-bearing and child-rearing beliefs that have an impact on the hospitalized child and family. Simulated practice of nursing skills in a nursing simulation laboratory is required. Grade Only

042 • ADVANCED MEDICAL-SURGICAL/LEADERSHIP NURSING (REVISED COURSE) #508849
3.0 Units
Total Lecture: 54 hours
Prerequisite: ENGL 001A; LVNRN 031, LVNRN 032, LVNRN 033 Students must pass with a grade of 75% or higher; LVNRN 034
Corequisite: LVNRN 044; LVNRN 041, LVNRN 050 Students must pass with a grade of 75% or higher
This course focuses on advanced application of the nursing process in the care of critically ill adult and geriatric patients. The students have an opportunity to integrate and apply previously learned skills and knowledge from all areas of nursing practice. Content includes leadership theory and application, delegation, priorities, and time management. Grade Only
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

044 • ADVANCED CLINICAL PRACTICUM (REVISED COURSE) #521121
5.0 Units
Total Lab: 270 hours
Prerequisite: LVNRN 021, LVNRN 021A, LVNRN 032, LVNRN 033, LVNRN 034
Corequisite: LVNRN 041, LVNRN 042 and LVNRN 050
This course provides the nursing student with directed clinical experiences for maternal-child and pediatric patient/clients as well as adult and geriatric patients/clients in acute care hospitals and a variety of community healthcare agencies. The nursing student will provide comprehensive, holistic patient/client care and teaching to assist the individuals who have acute or chronic illness in the medical-surgical setting as well as provide maternal-child nursing care for patients in labor and delivery, mother-baby, and pediatrics settings to meet their health needs while incorporating the standards of professional practice and the Neuman Systems Model. Pass/No Pass Option

050 • LEADERSHIP AND ETHICS (REVISED COURSE) #508851
1.0 Units
Total Lecture: 18 hours
Prerequisite: ENGL 001A; LVNRN 031, LVNRN 032, LVNRN 033 Students must pass with a grade of 75% or higher; LVNRN 034
Corequisite: LVNRN 041, LVNRN 042 Students must pass with a grade of 75% or higher; LVNRN 044
This course introduces principles of leadership and supervision as they apply to the registered nurse. The focus is on the role of the registered nurse as a member of the health care team and supervisor of vocational nurses and unlicensed health care team caregivers. Students address basic ethical concepts, principles, justification, and reasoning and apply them to ethical issues and cases involving professionalism, confidentiality, veracity, paternalism, and informed consent in the context of nursing situations. Grade Only

Math (MATH)

004B • DIFFERENTIAL EQUATIONS (REVISED COURSE) #192816
4.0 Units
Total Lecture: 72
Prerequisite MATH 003B
The student studies and demonstrates knowledge and understanding of ordinary differential equations, with emphasis on linear equations, and partial differential equations. Many standard methods are examined including Laplace Transforms, Fourier Series, power series and numerical solutions. Emphasis is placed on applications. Pass/No Pass Option.
005 • INTRODUCTION TO MATLAB **NEW COURSE** #552194
2.0 Units
Total Lecture: 36 hours
Prerequisite: MATH 003A
MATLAB is widely used in many areas of mathematics, science and engineering. This course provides students with an introduction to using the software package MATLAB. Topics include programming, two- and three-dimensional graphing, data import and export, curve fitting, recursion and applications to calculus. Pass/No Pass Option.

010H • ELEMENTARY STATISTICS – HONORS **NEW COURSE** #552847
4.0 Units
Total Lecture: 72 hours
Prerequisite: MATH 000C or MATH 000CM or successful placement into the course based on the Mission College Mathematics Placement Exam.
This course is the honors version of the Elementary Statistics course. The course provides students with a comprehensive introduction to statistical methods and research. Topics include descriptive and inferential statistics, correlation and linear regression, probability, probability distributions and assorted hypothesis testing. Particular emphasis is placed on applications and data analysis. Current statistical computer packages are used. Students may not receive credit for both MATH 010 and MATH 010H. Enrollment in the Honors Transfer Project is required. Pass/No Pass Option.

019 • DISCRETE MATHEMATICS **REVISED COURSE** #49809
4.0 units
Total Lecture 72 hours
Prerequisite MATH 001 or successful placement into the course based on the Mission College Mathematics Placement Exam or MATH 002.
Acceptable for credit: University of California, California State University
The student studies and demonstrates knowledge and understanding of the discrete mathematics appropriate for computer applications. Topics may include graphs, sets, logic, mathematical induction, functions and relations, sequences and series, matrices, combinatorics, Boolean algebra and algebraic structures such as groups, rings and fields. Computer implementations of these mathematical techniques are incorporated throughout the course. Pass/No Pass Option.

902 • PRE-ALGEBRA (NON-ASSOCIATE DEGREE COURSE) **REVISED COURSE** #535479
4.0 units
Total Lecture 72 hours
Advisory: MATH 901
Prerequisite: MATH 900 or successful placement into the course based on the Mission College Mathematics Placement Exam.
This course is designed for students who have a solid foundation in arithmetic skills but need to develop those skills further before taking Elementary Algebra. This course is intended to serve as a bridge between arithmetic functions and elementary algebra. Topics include a review and practice in fundamental arithmetic operations involving integers, fractions, decimals and percents, some basic operations involving polynomials, solving and graphing linear equations, and some practical applications. This course may also be offered via distance learning. Pass/No Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

910 • PROBLEM SOLVING IN MATHEMATICS (NEW COURSE) #552192
1.0 Units
Total Lecture: 18 hours
Prerequisite: MATH 000C or MATH 000CM or successful placement into the course based on the Mission College Mathematics Placement Exam.
This course introduces the student to various problem solving techniques, and develops mathematical and critical thinking skills. Pass/No Pass Option.

Music (MUSIC)

015A • SONGWRITING AND MUSIC BUSINESS I (REVISED COURSE) #300954
3.0 units
Total Lecture 54 hours
Acceptable for credit: California State University
This introductory course is intended for all students interested in learning about the art, craft, and business of popular songwriting and the music industry. Topics of study include introductions to creative strategies, lyric writing and prosody, melody and harmony, musical rhythm and style, song form, audience considerations, media, digital recording, and the music industry, including copyrights, contracts, and a survey of careers. Pass/No Pass Option.

015B • SONGWRITING II (REVISED COURSE) #543811
3.0 units
Total Lecture 54 hours
Acceptable for credit: California State University
This is an intermediate level course in songwriting intended for students who have successfully completed MUS 15A Songwriting I. Topics of study include lyric writing and prosody, melody and harmony, musical rhythm and style, song form, audience considerations, media, digital recording, and the music industry. Students will be expected to write, arrange, produce and record a complete song during the semester. Pass/No Pass Option.

080 • INTRODUCTION TO MIDI (REVISED COURSE) #535932
3.0 units
Total Lecture 54 hours
Corequisite MUSIC 090.
Acceptable for credit: California State University
This course is a practical introduction to the Music Instrument Digital Interface (MIDI) music system, the function and operation of MIDI equipment, and the production of music on the MIDI system. Students complete projects using ProTools software and hardware in order to develop compositional skills, musicianship, music notation skills and competency using a Digital Audio Workstation. Pass/No Pass Option.
080A • MIDI AND MUSIC TECHNOLOGY I (NEW COURSE) #552513
3.0 Units
Total Lecture: 36 hours, Total Lab Hours: 54
Corequisite: MUSIC 085A
This is a first semester introduction to the Music Instrument Digital Interface (MIDI) music system, the function and operation of MIDI equipment, and the production of music on the MIDI system. Students complete projects using ProTools software and hardware in order to develop compositional skills, musicianship, music notation skills and competency using a Digital Audio Workstation. Pass/No Pass Option.

080B • MIDI AND MUSIC TECHNOLOGY II (NEW COURSE) #552681
3.0 Units
Total Lecture: 36 hours, Total Lab Hours: 54
Prerequisite: MUSIC 080A
Corequisite: MUSIC 085B
This is a second semester MIDI and Music Technology Course. This course focuses on intermediate to advanced MIDI sequencing techniques using ProTools software. Students complete projects in order to develop skills in composition, orchestration, sound design for film and TV as well as music synthesis for video games. Students are also introduced to music notation software. Pass/No Pass Option.

085A • DIGITAL MUSIC/RECORDING LAB I (NEW COURSE) #553656
0.5 Units
Total Lab: 27 Hours
Corequisite: MUSIC 080A
This is a dedicated lab for Digital Music students enrolled in first semester MIDI Music and Technology and Digital Music Production classes. Students work on assigned MIDI and recording projects with a lab instructor. Pass/No Pass Option.

085B • DIGITAL MUSIC/RECORDING LAB II (NEW COURSE) #553616
0.5 Units
Total Lab: 27 Hours
Prerequisite: MUSIC 085A
Corequisite: MUSIC 080B
This is a dedicated lab for Digital Music students enrolled in second semester MIDI Music and Technology and Digital Music Production classes. Students work on assigned MIDI and recording projects with a lab instructor. Pass/No Pass Option.
090A • PIANO LABORATORY I (NEW COURSE) #552846
0.5 Units
Total Lab: 27 Hours
Corequisite: Concurrent enrollment in any other music course.
This is a piano laboratory course. Its purpose is to provide beginning and intermediate level piano students with supplementary learning activities related to his/her piano class. Activities may include group and individual practice, individual instruction with a piano lab instructor and other activities required by the parent piano course. Pass/No Pass Option.

090B • PIANO LABORATORY II (NEW COURSE) #552845
0.5 Units
Total Lab: 27 Hours
Corequisite: Concurrent enrollment in any other music course.
This is a piano laboratory course. Its purpose is to provide beginning and intermediate level piano students with supplementary learning activities related to his/her piano class. Activities may include group and individual practice, individual instruction with a piano lab instructor and other activities required by the parent piano course. Pass/No Pass Option.

Noncredit Basic Skills (NCBAS)

002 • GED SKILLS DEVELOPMENT LAB (NEW COURSE) #554336
Total: 54 hours
This lab course is designed to prepare students for the General Educational Development Tests (GED) for high school equivalency. Students learn and practice skills needed to pass the GED exams, as well as the computer skills needed to take a computer-based GED exam.

003 • GED PREPARATION: READING & CRITICAL THINKING (NEW COURSE) #554334
Total: 30 hours
This course focuses on the development of basic skills needed to prepare for the General Educational Development Tests (GED) for high school equivalency. Emphasis is placed on reading skills such as main idea, supporting details, point of view, meaning of words and phrases, inferences, and validity of claims. These skills will enable readers to understand complex texts.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

004 • GED PREPARATION: WRITING & REASONING (NEW COURSE) #554333
Total: 30 hours
This course focuses on the basic skills needed to prepare for the General Educational Development Tests (GED) for high school equivalency. Emphasis is placed on the development of writing skills including grammar, editing, development, organization, analyzing arguments and using evidence to support a claim.

005 • GED PREPARATION: MATH SKILLS (NEW COURSE) #554332
Total: 30 hours
This course focuses on the basic skills needed to prepare for the math portion of the General Education Development Tests (GED) for high school equivalency. Emphasis is placed on developing math and calculator skills.

901 • STRATEGIES TO IMPROVE WRITING (NEW COURSE) #554255
Total: 21 Hours
This course gives basic skills students practice using various writing techniques that prepares them for transfer-level courses. Sentence-level strategies are the focus of this class.

902 • STRATEGIES TO IMPROVE WRITING (NEW COURSE) #554254
Total: 21 Hours
This course gives basic skills students practice using various writing techniques that prepare them for their transfer-level courses. Essay level strategies are the focus of this class.

Noncredit ESL (NCESL)

910A • FOUNDATIONS IN ESL I (NEW COURSE) #554343
Total: 64 Hours
This noncredit course develops very basic level oral and written communication skills of standard written English. This course provides basic functional practice in reading, writing, listening, speaking, and grammar for very low beginning level ESL students. Oral communication tasks involve the comprehension and production of basic verbal instructions and requests, communication strategies, monologs, dialogues, pronunciation patterns, and vocabulary usage. Written communication tasks include completion of grammar exercises and in-class writing assignments of 50 words or less.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

910B • FOUNDATIONS IN ESL II [NEW COURSE] #554342
Total: 64 Hours
This course is a continuation of NCESL 910A. This course continues to develop very low beginning students’ skills in basic reading, writing, listening, speaking, and grammar. In 910B, students further develop the grammar of present tense and begin to learn present continuous and simple past.

910L • FOUNDATIONS IN ESL LAB [NEW COURSE] #554341
Total: 54 Hours
This lab course is designed for students at the NCESL 910 skill level. In the lab, students practice listening, speaking, writing, grammar, reading, and vocabulary skills in order to help them succeed in NCESL courses and in the workplace.

920A • BEGINNING ESL I [NEW COURSE] #554340
Total: 64 Hours
This noncredit course provides basic functional practice in reading, writing, listening, speaking, and grammar for beginning ESL students.

920B • BEGINNING ESL I [NEW COURSE] #554339
Total: 64 Hours
This course is a continuation of NCESL 920A. It builds on the topics learned in 920A, but also introduces more complex structures and provides more practice in reading, writing, listening, speaking, and grammar for beginning ESL students. It also provides preparation for placement in Level 930 ESL classes.

920L • BEGINNING ESL LAB [NEW COURSE] #554338
Total: 54 Hours
This lab course is designed for students at the NCESL 920 skill level. In the lab, students practice listening, speaking, writing, grammar, reading, and vocabulary skills in order to help them succeed in NCESL courses and in the workplace.

925 • PREPARATION FOR ACADEMIC ESL [NEW COURSE] #554337
Total: 32 Hours
This course is designed for beginning ESL students who wish to improve their academic preparation and study skills for greater success in ESL courses.
Noncredit Immigration Education (NCIE)

010 • U.S CITIZENSHIP PREPARATION (NEW COURSE) #554335
Total: 48 Hours
In this course students learn the basics involved in American citizenship. Through lectures, and individual and pair/group participation, students develop the skills needed to prepare them for the naturalization interview. Topics include a general survey of U.S. history, government, and civics, including culture, institutions, and ideals. The course also includes practice of the English oral/aural/literacy skills necessary to pass an oral and written citizenship exam.

Philosophy (PHIL)

001 • INTRODUCTION TO PHILOSOPHY (REVISED COURSE) #232356
3.0 units
Total Lecture 54 hours
Acceptable for credit: University of California, California State University This course is an introduction to some philosophical problems and the various approaches to their solutions. The student is exposed to selected traditional philosophical systems with emphasis upon how these systems are relevant to solving the problems of contemporary existence. Among the questions explored in the course are: What is reality? What is the nature of human beings? What makes an act right or wrong? Are human actions free or determined? What is knowledge? Pass/No Pass Option.

002 • INTRODUCTION TO LOGIC (REVISED COURSE) #265420
3.0 units
Total Lecture 54 hours
Advisory: Eligibility for ENGL 001A and READ 053
Acceptable for credit: University of California, California State University
This course is an introduction to the techniques of traditional and modern logic comprising both deductive and inductive inference. Students are introduced to techniques for evaluating the quality and correctness of a chain of thought. The aim is to improve one’s ability to read critically and to recognize and avoid logical errors. This class demonstrates that there are right and wrong ways to reason, and that good reasoning is a skill that can be developed and improved. This course may be offered via distance learning. Pass/No Pass Option.
Political Science (POLIT)

002 • COMPARATIVE GOVERNMENT (REVISED COURSE) #110168
3.0 units
Total Lecture 54 hours
Acceptable for credit: University of California, California State University
This course explores the government and politics of some of the major nations in the world as well as developing nations. Political structures, functions, processes and policies are compared with each other and with the U.S. government. Particular consideration is given to contemporary world problems with an emphasis on developing comparative analytical skills and abilities. This course may be offered via distance learning. Pass/No Pass Option.

006 • POLITICS OF RACE, CLASS AND GENDER (REVISED COURSE) #180079
3.0 Units
Total Lecture: 54 hours
This course is an introduction to the role race, economic class, and gender, have and currently play in global politics. The class surveys the political history, goals, strategies, perspectives, barriers and successes of women, the poor, and selected minorities within the context of politics around the world. Various ethnic, religious, socio-economic and gender groups are considered. Pass/No Pass Option.

Psychology (PSYCH)

001H • GENERAL PSYCHOLOGY - HONORS (NEW COURSE) #547492
3.0 units
Total Lecture 54 hours
Acceptable for credit: University of California, California State University
This honors course provides students with a basic understanding of major concepts, problems and methods that psychologists use to investigate and understand the human mind. Major topics of study include the history and origins of psychology, introductory statistical concepts, motivation, emotion, biological determinants of behavior, environmental factors in behavior, psychological tests and measurements, and learning and personality theory. The honors component involves an in-depth analysis of specific topics, using current information from research journals. Students cannot get credit for both PSYCH 001 and PSYCH 001H. Enrollment in the Honors Transfer Project is required. Pass/No Pass Option.
Retail Floristry (RF)

032 • ADVANCED FLORAL DESIGN (REVISED COURSE) #535484
1.5 UNITS
Total Lecture 9 hours, Total Lab 54 hours
Advisory RF 031
This course covers advanced principles and techniques used in traditional, contemporary, European, Asian, tropical, and high-tech designs. Exotic materials, faux finishes, spray color, sponge, antiquing, and marbleizing techniques are covered, as well as design, coordination and preparation of floral displays for social events, residences, and hotels. This course builds on previous courses enabling students to polish their mechanics and participate in a professional floral show. Materials Fee. Pass/No Pass Option.

037 • FLOWER SHOP OPERATION (REVISED COURSE) #129628
2.0 UNITS
Total Lecture 36 hours
Prerequisite RF 024.
This course introduces the student to the minimum steps and procedures necessary for individuals to establish a retail florist shop. The importance of location, goals, and financing are reviewed with experienced florists. Topics include marketing, sales techniques, employee and customer relationships related to successfully running a florist shop. Materials Fee. Pass/No Pass Option.

Sociology (SOC)

001 • INTRODUCTION TO SOCIOLOGY (REVISED COURSE) #283279
3.0 Units
Total Lecture: 54 hours
This course is an introduction to the field of sociology as a scientific discipline, an examination of human society from various sociological perspectives, an analysis of the relationship between personality development and the socio-cultural environment, the presentation of social institutions, and the possible influences of these on behavior. This course is also taught via distance education. Pass/No Pass Option.

001H • INTRODUCTION TO SOCIOLOGY - HONORS (NEW COURSE) #557452 (approved on 8/12/14)
3.0 Units
Total Lecture: 54 hours
This course is an introduction to the field of sociology as a scientific discipline, an examination of human society from various sociological perspectives, an analysis of the relationship between personality development and the socio-cultural environment, the presentation of social institutions, and the possible influences of these on behavior. The honors component involves an in-depth analysis of specific topics, using current information from research journals and is more rigorous than SOC 001. Students cannot get credit for both SOC 001 and SOC 001H. Enrollment in the Honors Transfer Project is required. This course may be offered via distance learning. Pass/No Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

002 • SOCIAL PROBLEMS (REVISED COURSE) #155362
3.0 Units
Total Lecture: 54 hours
Advisory: SOC 001
This course investigates the sociological perspective on social problems. Drug addiction, crime, poverty, violence, mental illness, prejudice, and other issues are discussed. Causes of problems and possible remedies are explored, including available resources in the local community. This course may be offered via distance learning. Pass/No Pass Option.

002H • SOCIAL PROBLEMS - HONORS (NEW COURSE) #557219 (approved on 8/1/14)
3.0 Units
Total Lecture: 54 hours
Advisory: SOC 001 or SOC 001H
This course investigates the sociological perspective on social problems. Drug addiction, crime, poverty, violence, mental illness, prejudice, and other issues are discussed. Causes of problems and possible remedies are explored, including available resources in the local community. The honors component involves an in-depth analysis of specific topics, using current information from research journals and is more rigorous than SOC 002. Students cannot get credit for both SOC 002 and SOC 002H. Enrollment in the Honors Transfer Project is required. This course may be offered via distance learning. Pass/No Pass Option.

Spanish (SPAN)

001L • SPANISH LABORATORY (REVISED COURSE) #270392
0.5 Units
Total Lab: 27
Advisory SPAN 001
This separate laboratory course, offered on campus or online, presents students with opportunities to learn about the cultures of Spanish-speaking countries through film, current publications, Internet research and listening activities. Students may also use language computer programs to improve language skills and reinforce grammar. This course is a requirement for students enrolled in SPAN 001, or may be taken independently by students who are not enrolled in a foreign language course. This course may be offered via distance learning. Pass/No Pass Option.
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

003 • THIRD SEMESTER SPANISH (REVISED COURSE) #298609
5.0 Units
Total Lecture: 90
Prerequisite SPAN 002 or equivalent
SPAN 003 is a continuation of SPAN 002. Students continue to develop proficiency in Spanish language skills through a review of grammar, vocabulary building exercises, culturally authentic dialogues, readings, and multimedia studies in Hispanic civilization, traditions, customs, and values. Pass/No Pass Option.

004 • FOURTH SEMESTER SPANISH (REVISED COURSE) #230055
5.0 Units
Total Lecture: 90
Prerequisite SPAN 003 or its equivalent
SPAN 004 is a continuation of SPAN 003. The student continues to develop proficiency in Spanish language skills through a review of grammar, vocabulary-building exercises, culturally relevant dialogues and readings regarding Hispanic civilization. Pass/No Pass Option.

049A • SPANISH FOR HERITAGE OR NATIVE SPEAKERS (REVISED COURSE) #542095
3.0 Units
Total Lecture: 54 hours
Prerequisite SPAN 002 or equivalent
Advisory Student must speak and understand spoken Spanish.
Spanish 49A is taught in Spanish and is intended for Spanish-speaking individuals who wish to become more skilled in Spanish in the specific areas of grammar, reading, and writing, as well as for those who wish to learn more about the Spanish and Latino culture. Pass/No Pass Option.

050B - BASIC CONVERSATIONAL SPANISH AND CULTURE (REVISED COURSE) #294630
3.0 Units
Total Lecture: 54 hours
Advisory SPAN 050A
This course is a continuation of Spanish 050A. Students increase their vocabulary and knowledge of basic grammatical structures while emphasizing conversation. Pass/No Pass Option.
Inactivated Courses

The following courses were inactivated for the 2013-2015 academic year after the catalog was published.

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>ART*190</td>
<td>Cultural Events</td>
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<td>ART*970</td>
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<td>CHD*009</td>
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<td>CIS*047A</td>
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<td>COUNS*012A1</td>
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<td>ESL*910</td>
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<td>ESL*920</td>
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<td>ESL*940WP</td>
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<td>ESL*966</td>
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<tr>
<td>GRART*062</td>
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<td>GRART*063</td>
<td>Introduction to Adobe InDesign</td>
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<tr>
<td>GRART*066</td>
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<td>GRART*067</td>
<td>Advanced Adobe InDesign: Portfolio</td>
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<td>GRART*068</td>
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<tr>
<td>ITAL*051A</td>
<td>Intermediate Conversational Italian &amp;</td>
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<tr>
<td>ITAL*051B</td>
<td>Intermediate Conversational Italian &amp;</td>
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<tr>
<td>LATIN*001</td>
<td>Elementary Latin</td>
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<td>MATH*901A</td>
<td>Arithmetic Review (Signed Numbers)</td>
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<tr>
<td>MATH*901B</td>
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<td>MATH*901C</td>
<td>Arithmetic Review (Decimals)</td>
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<tr>
<td>POLIT*010</td>
<td>Introduction to Law and the Legal System</td>
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<tr>
<td>RUSS*040</td>
<td>Beginning Conversational Russian and</td>
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<tr>
<td>WHP*003Q</td>
<td>Intermediate Salsa and Latin Ballroom Dance</td>
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<tr>
<td>WHP*003X</td>
<td>Dance: Intermediate Hip Hop</td>
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<tr>
<td>WHP*008V</td>
<td>Basketball: Competitive</td>
</tr>
</tbody>
</table>
Personnel Addendum

Classified, Faculty and Administration

Add to Classified Staff

BERTOLUCCI, NICHOLAS
KIN & Athletics Operations Coordinator

DIAL, MIQUEAS
Institutional Business/Technology Analyst

DOMINGUE, PERTILLA
Senior Administrative Assistant

HANTON, TANYA
Senior Administrative Assistant

HAYOS, COURTNEY
Child Development Center Specialist II

GOMEZ, DELIA
Office Coordinator

JONES, CARL
Graphic Designer

NGUYEN, DAT T.
Senior Desktop Support Technician

SHOKROLLAHI, NAHID
Library Media Technician

Add to Faculty and Administrative Staff

BOND, INGE
Director of Research & Institutional Effectiveness

GAMBLE, ROB
Director Business/Community Engagement

GOLDBERG, RACHAEL
Director of Student Development

Updated July 2014
Add to Associate Faculty

Allen, Andrew Math
Alvarez, Patricia English
Armenta, Susan Kinesiology
Barhaghi, Ben CSIT
Bolourchian, Farzin Chemistry
Brautigam, Mark CSIT
Cabanilla, Joanne BioScience
Cassell, Carol Math
Castello, Kathy ESL
Colon, Jasmine Library
Constantin, Jennifer Psychology
Dellona, Nina Maria ESL
Dombrowski, Christopher Physics
Ector, John Music
Elarabi, Tarek CSIT
Fisher, Gary Chemistry
Gheorghiu, Dorin CSIT
Gomez, John Sociology
Hertig, Cheryl ESL
Iverson, Charles Math
Jackson, Rasheedah Health Occupations
Lytle, John BioScience
Magid, Samir CSIT
Moore, Bruce CSIT
Morales, Justin ESL
Mortezaie, Faramarz CSIT
Mourad, Nihad Math
Parisie, Amber Nutritional Science
Renbarger, Thomas Astronomy
Rudnicka, Kate ESL
Sandu, Malkiat English
Sargent, Aloha Library
Schmitz, Susan Health Occupations
Seidel, Marlo ESL
Shishani, Steve (Abdalla) CSIT
Smith, Kimberly NS
Taylor, Josi BioScience
Thai, Ai-Chan CSIT
Tu, Lynna Hospitality Management
Xu, Meili Bioscience
Zendejas, Saul Kinesiology
Add to Emeritus - Administration and Faculty

ANNING, PETER (1980-2013)
Director, Marketing, Public Relations and Graphic Design Services

CHANDLER, ALAN (1990-2014)
Instructor in Political Science

JOHNSON, PENNY (2007-2014)
Vice President, Student Support Services

KARAS, TIMOTHY (2005-2014)
Dean, Language Arts and Liberal Studies

MANSKE, STEVE (1990-2013)
Instructor in Accounting

MEYER, MELANIE (2002-2014)
Instructor in Business

PERLAS, CHAR (2001-2013)
Counselor

Changes to Names/Titles

Associate Faculty: Castello, Kathy (previous Dang) ESL

Associate Faculty: Allen, Andrew, Biological Science (name was misspelled)

Classified: Roman, Anita, Administrative Assistant Administration

Fac/Admin: HENDERSON, KATHY
Interim Dean, Language Arts and Liberal Studies

Fac/Admin: MYINT, MYO
Interim Dean, Language Arts and Liberal Studies

Admin: SANIDAD, DANIEL
Interim VP, Student Services

Classified: TADESSE, ASMARE
Assistant Director, Admissions & Records
Remove from Classified Staff

Ashford, Peggy
De Los Reyes, Amber
Ebrahemi, Lili
French, Jennifer
Green, Ed
Hee, Ed
LaSala, Patrice
Pegan, Carmen

Remove from District Classified Staff at Mission College

Head, Ken
Hibner, Kurt
Libby, Scott

REMOVE THESE PART TIME FACULTY FROM CATALOG:

Alameda, Cora Computer Applications
Al-Zubi, Mohammed CIT
Beadell, Brad Computer Applications
Beck, Ronald Computer Applications
Bell, Lisa ESL
Bernacchi, William, Accounting
Borror, David English
Carlson, Martha Work Experience
Chen, Meei-Ling C*S
Chenna, Rao V CIT
Clements, Tony Music
Cobb, Melvin BioScience
Cross, Sue English
Crowley, Karl Business Management
Davis, Peggy ESL
Dayharsh, Gerri English
Dinger, Steven Marketing
Eddy, Bob Management Supervision
El Pahdi, Mustapha CIT
BEFORE ENROLLING IN DEGREE APPLICABLE COURSES, IT IS RECOMMENDED THAT YOU COMPLETE ENGL 001A AND READ 054.

Faries, Barbara S  Business
Frye, Robert  English
Gatewood, Jessica  English
Harding, Ann  ESL
Harmer, Craig T  Business
Hawkins, Michele  Music
Ho, Jen  Sociology
Hunsaker, Gae  Business
Husar, Nataliya  English
Hwang, Clifford  CIS
Jackson, Sharon A.  English
Jellison, Heather  ESL
O'Connell, Katherine  Sociology
Kilani, Mohamed  CIT
Koppel, Scott  COMM Studies
Krishnamurthy, Lalitha  CIS
Kulkarni, Preshant  CA
Lee, Peter  COMM Studies
Hurkmans, Linda  Psychology
Linduska, Mary  Music
Mahoney, Mary  NS
Mara, Robin  COMM Studies
Matenciuc-Antonescu, Beatrice  CA
Matthews, Edie  English
Meixner, Anthony  English
Mostafavi, Mohammed  BioSci
Mruthyunjaya  CA
Murray, Kevin  PoliSci
Nagid, David  CA
O'Brien, Melanie  BioSci
Payne, Janell  COMM Studies
Petty, Clint  CIS
Schein, Joan  BioSci
Schuh-Huerta, Sonya  BioSci
Seethaler, William  Business
Serran, Antonio  English
Shank, Ted  English
Stewart, James  COMM Studies
Tappmeyer, Karie  COMM Studies
Taylor, David  BioSci
Webb, William  BioSci
Young, Erwin  Management
Zilg, Christopher  Business
REMOVE THESE NAMES OF FULL TIME FACULTY AND ADMINISTRATORS FROM CATALOG:

Anning, Peter
Chandler, Alan
Johnson, Penny
Karas, Tim
Meyer, Melanie
Nguyen, Thoi
Perlas, Char