

Barstow Community College

2019-2020 CATALOG Addendum

This addendum to the 2019-2020 Barstow Community College Catalog, which was effective August 12, 2019, reflects updates and offers new educational opportunities for students. These updates/revisions were approved after the 2019-2020 Catalog was finalized. Although every effort has been made to ensure accuracy of information, all students should consult with a counselor for further information.

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Additional Financial Aid & Scholarship Information

Federal Shopping Sheet

The Department of Education requires every student have access to their Federal Shopping Sheet. The Financial Aid Federal Shopping is a consumer tool that is designed to simplify information that prospective students receive about costs and Financial Aid so that they can make informed decisions about which postsecondary institution to attend. The Federal Financial Aid Shopping Sheet can be used to calculate Net Costs, review options for paying Net Costs, and compare institutional performance metrics. Students can access their Federal Financial Aid Shopping Sheet through their mybarstow portal. A step-by-step tutorial on how to access the Shopping Sheet is available at http://www.barstow.edu/student_services_tutorial.html.

Appeals Procedures

A student may appeal for failure to meet satisfactory academic progress. The student must complete the Suspension of Financial Aid Eligibility Appeal form and is responsible for providing sufficient information in the written statement to substantiate the existence of extenuating circumstances. Additionally, the student statement must address what steps will be taken to prevent a similar circumstance in the future. All suspended students with an overall GPA of less than 2.0 will be required to complete the online Academic Probation Workshop. The workshop can be accessed online at <https://launch.comevo.com/barstow/1041/-/pub?reload=1&>. Students will be required to pass the quiz at the end of the online workshop. Once the Academic Probation workshop is completed then appeal packet can be submitted the Financial Aid Office. The Financial Aid staff will verify that the Academic Probation workshop was successfully completed.

BARSTOW COMMUNITY COLLEGE 2019-2020

CALIFORNIA STATE UNIVERSITY GENERAL EDUCATION BREADTH- CSU CERTIFICATION FORM

Name:

Student ID:

Date:

Completion of all the California State University (CSU) System General Education Requirements will permit a student to transfer from Barstow Community College (BCC) to a campus in the CSU System without the need, after transfer, to take additional lower-division general education courses. After transfer, students will be required to complete nine upper-division general education units to reach a combined total of the 48 general education units required in partial fulfillment for a degree from the CSU System. BCC will certify general education, including appropriate courses taken at other regionally accredited institutions, for students who meet the 12-unit residency requirement at BCC. No class may be used to satisfy requirements in more than one of the five general areas. Courses used to satisfy the American Institutions requirements may also apply to Area D.

| AREA A- English Language, Communication and Critical Thinking | | | | *C=Completed; IP=In Progress; N=Needed | | |
|--|-----------------|-------|--------|---|----|---|
| <i>Minimum of one course in Area 1, Area 2, and Area 3 with a grade of "C" or better. (9units)</i> | | | | C | IP | N |
| A1: Oral Communication: COMM 1 | Course: COMM-1 | Test: | Notes: | | | |
| A2: Written Communication: ENGL 1A | Course: ENGL-1A | Test: | Notes: | | | |
| A3: Critical Thinking: ENGL 1C, PHIL 3 | Course: ENGL-1C | Test: | Notes: | | | |
| AREA B- Scientific Inquiry and Quantitative Reasoning | | | | * C=Completed; IP=In Progress, N=Needed | | |
| <i>Complete one course each in B1 and B2; one course MUST include a lab; complete ONE math course from B4 with a grade of "C" or better. (9)</i> | | | | C | IP | N |
| B1: Physical Science: ASTR 1, ASTR 1L, CHEM 1(L) 2A(L), GEOL 1L, 2*, 3(L), 4, 5(L)*, OCEA 1, PHSC 2 | Course: | Test: | Notes: | | | |
| B2: Life Science: BIOL 1, 2(L), 4(L), 5(L), 8(L) GEOL 4, OCEA 1, PSYC 11 | Course: | Test: | Notes: | | | |
| B3: Laboratory Activity: Any (L) class in Area B1 or B2 | Course: | Test: | Notes: | | | |
| B4: Mathematical Concepts: MATH 1, 2, 3, 4A, 4B, 4C, 5, 6 | Course: | Test: | Notes: | | | |
| AREA C- Arts and Humanities | | | | * C=Completed; IP=In Progress, N=Needed | | |
| <i>One course from C1, one course from C2, and C3 is a third course from C1 or C2 (9 units)</i> | | | | C | IP | N |
| C1: ARTS 1-3, 7, 10A, 13A, 16, 17; HUMA 1, 4; MUSI 2, 3, 12A; TART 1, 3, 6 | Course: | Test: | Notes: | | | |
| C2: ENGL1B, 2-6, 11, 12, 12B, 13A; HIST 1A,1B, 8A,8B; HUMA 1-6; PHIL 1, 3-7; SPAN 1A, 1B; TART 3 | Course: | Test: | Notes: | | | |
| C3: One additional course from C1 or C2 | Course: | Test: | Notes: | | | |
| AREA D- Social Sciences | | | | * C=Completed; IP=In Progress, N=Needed | | |
| <i>At least three courses from at least two different disciplines (9 units). Students may use any 9 units from this section to fulfill certification requirements for area D. It is highly recommended to complete the below U.S. History, Constitution and American Ideals requirement as part of Area D.</i> | | | | C | IP | N |
| Highly Recommended: Group 1: US History Requirement: HIST 2A, 2B, 4 | Course: | Test: | Notes: | | | |
| Highly Recommended: Group 2: US Constitution/American Ideals: POLI 1 | Course: | Test: | Notes: | | | |
| Group 3: ADJU 1-3, 5, 8; ANTH 1; BADM 2, 5; CHLD 4, 6; COMM 3; ECON 1, 2, ETHN 1, 2; HIST 1AB, 2AB, 3-5, 8AB, 12; PELC 1; POLI 1, 2, 3; PSYC 1-3, 5, 6, 11-12; SOCI 1-3, 12 | Course: | Test: | Notes: | | | |
| AREA E- Lifelong Understanding and Self-Development | | | | * C=Completed; IP=In Progress, N=Needed | | |
| <i>Minimum of 3 semester units</i> | | | | C | IP | N |
| ATHL 1, 3-9, 20-23, 25; CHLD 4; COMM 3; HEAL 1, 2, KINA16A, KINL 1 PELC 5; PSYC 3-6, 11, 14; SDEV 1 | Course: | Test: | Notes: | | | |

Full Certification

Partial Certification- Max 2 courses remaining

IGETC COMPLETED California State University:
University of California:

College Evaluator/Title: _____

Date: _____

BARSTOW COMMUNITY COLLEGE 2019-2020

INTERSEGMENTAL GENERAL EDUCATION TRANSFER CURRICULUM -- (IGETC) CERTIFICATION FORM

Name: _____

Student ID: _____

Date: _____

Directions: List courses taken at BCC and other colleges, indicate test if requirement was met by testing.

AREA 1- ENGLISH COMMUNICATION *C=Completed; IP=In Progress; N=Needed

CSU: 3 courses required -- 1 course from Group A, B, and C; 9 units
UC: 2 courses required -- 1 course from Groups A and B; 6 units

| | | | | | | |
|---|---------|-------|--------|--|--|--|
| <u>Group A:</u> English Composition- ENGL 1A | Course: | Test: | Notes: | | | |
| <u>Group B:</u> Critical Thinking- ENGL 1C | Course: | Test: | Notes: | | | |
| <u>Group C:</u> Oral Communication- COMM-1 (CSU Requirement Only) | Course: | Test: | Notes: | | | |

AREA 2- MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING * C=Completed; IP=In Progress, N=Needed

(1 course required; 3 units)

| | | | | | | |
|--------------------------|---------|-------|--------|--|--|--|
| MATH 2, 3, 4A, 4B, 4C, 5 | Course: | Test: | Notes: | | | |
|--------------------------|---------|-------|--------|--|--|--|

AREA 3- ARTS AND HUMANITIES * C=Completed; IP=In Progress, N=Needed

(at least 3 courses, 1 each in Groups A & B; 9 units)

| | | | | | | |
|--|---------|-------|--------|--|--|--|
| <u>Group A:</u> ARTS 1, 2; HUMA 1, 4; MUSI 2, 3 | Course: | Test: | Notes: | | | |
| <u>Group B:</u> ENGL 1B, 2*, 3*, 4*, 5*, 6, 12, 13A; HUMA 1, 2*, 3*, 4, 5, 6; PHIL 1, 4, 5, 6, 8* | Course: | Test: | Notes: | | | |
| <u>Group C:</u> Elective: Any course from either of the above groups in Area 3 | Course: | Test: | Notes: | | | |

AREA 4- SOCIAL AND BEHAVIORAL SCIENCES * C=Completed; IP=In Progress, N=Needed

Minimum of 3 course from at least 2 disciplines (9 units)

| | | | | | | |
|---|---------|-------|--------|--|--|--|
| ADJU 1; ANTH 1; CHLD 4, 6; ECON 1, 2; ETHN 1, 2*; HIST 5; POLI 1, 2; PSYC 1, 2, 6*, 11, 12; SOCI 1, 2, 3, 12 | Course: | Test: | Notes: | | | |
| | Course: | Test: | Notes: | | | |
| | Course: | Test: | Notes: | | | |

AREA 5- PHYSICAL AND BIOLOGICAL SCIENCES * C=Completed; IP=In Progress, N=Needed

1 course from each area, 1 must be a lab course (L) (7-9 units)

| | | | | | | |
|---|---------|-------|--------|--|--|--|
| <i>Physical Science</i> - ASTR 1, 1L; CHEM 1(L); GEOL 1(L), 2, 3(L), 5(L)*; OCEA 1; PHSC 2 | Course: | Test: | Notes: | | | |
| <i>Life/Biological Science</i> - BIOL 1, 2(L), 4 (L), 5(L), 8(L) | Course: | Test: | Notes: | | | |

LANGUAGE OTHER THAN ENGLISH (UC REQUIREMENT ONLY) * C=Completed; IP=In Progress, N=Needed

Proficiency equivalent to 2 years of high school in same language; Complete 2 years of the same foreign language of high school level work with a grade of "C" or better; OR earn a score of 3 or higher on the foreign language Advanced Placement test OR; 550 on the College Board Subject Test in Foreign Language OR; complete Span 1B.

| | | | | | | |
|---------|------------|-------|--------|--|--|--|
| SPAN 1B | Course(s): | Test: | Notes: | | | |
|---------|------------|-------|--------|--|--|--|

Full Certification

Partial Certification- Max 2 courses remaining

IGETC COMPLETED California State University
University of California

| | |
|--|--|
| | |
| | |

College Evaluator/Title: _____

Date: _____

* Courses that are not offered regularly

NON-OCCUPATIONAL GENERAL EDUCATION REQUIREMENTS

| |
|--|
| Complete 1 course from each area |
| NATURAL SCIENCES - Complete 1 course in Biological Science & 1 course in Physical Science (minimum 3 units each) |
| Biological Science - BIOL 1, <u>2</u> , <u>4</u> , <u>5</u> , <u>8</u> , <u>10</u> ; OCEA 1; PSYC 11 (<i>underline indicates a lab course</i>) |
| Physical Science - ASTR 1, 1L; <u>CHEM 1</u> ; <u>GEOL 1</u> , <u>3</u> , <u>4</u> ; GEOG 4; OCEA 1; PHSC 2 (<i>underline indicates a lab course</i>) |
| SOCIAL SCIENCES - Complete 2 courses in different areas (minimum 3 units each) |
| ADJU 1-3, 5, 8; ANTH 1; BADM 1, 2, 5; CHLD 4, 6; ECON 1, 2, 5; HIST 1A, 1B, 2A, 2B, 4, 5, 8A, 8B; POLI 2, 3; PSYC 1-6; 11-15; SOCI 1-4, 12 |
| HUMANITIES - Complete 2 courses in different areas (minimum 3 units each) |
| ARTS 1, 2, 3, 7, 10, 16, 18A-18C, 19; ENGL 1B, 6, 12B; HIST 1A, 1B, 8A, 8B; HUMA 1-6; MUSI 2, 3, 4, 4B-4D, 5A-5C, 6A-6C, 7 MUSI 7B-7D, 12A-12C; PHIL 1, 4, 5, 6; SPAN 1A, 1B; TART 1, 3, 4, 4B-4D, 5, 5B-5D, 13, 13B, 13D |
| ACTIVITY - P.E. (1 Unit KINA Activity and ANY ONE additional course ; 2-4 units) |
| One unit any KINA Activity |
| One unit any KINA or ATHL; AHLT 51, 63, 64; HEAL 2; MUSI 4, 4B-4D, 5A-5C, 6A-6C, 7-7D |
| AMERICAN INSTITUTIONS AND IDEALS - Complete 1 course (3 units) |
| POLI 1 |
| U.S. HISTORY - Complete 1 course (3 units) |
| HIST 2A, 2B, 4 |
| COMMUNICATION- Complete 1 course (3 units) |
| COMM 1, 3 |
| ENGLISH- Complete 1 course (4 units) |
| ENGL 1A |
| MATHEMATICS- Complete 1 course (3-5 units) |
| MATH 55, 1, 2, 3, 4A, 4B, 4C, 5 |
| LIFELONG LEARNING - Complete 1 course (3 units) |
| CHLD 4; HEAL 1, 2; SDEV 1; PSYC 3, 5, 11, 14 |
| STUDENT DEVELOPMENT (May be waived with official transcripts transferring 15+ units) (3 units) |
| PSYC 5, SDEV 1 |
| Total General Education Units: 42-46 |

OCCUPATIONAL GENERAL EDUCATION REQUIREMENTS

| |
|---|
| Complete 1 course from each area |
| NATURAL SCIENCES- Complete 1 course (minimum 3 units) |
| ASTR 1, <u>1L</u> ; BIOL 1, 2, 4, 5, 8, <u>10</u> , 11; CHEM 1; <u>GEOL 1</u> ; OCEA 1; PHSC 2; PSYC 11 |
| SOCIAL & BEHAVIORIAL SCIENCES- Complete 1 course (minimum 3 units) |
| ADJU 1-3, 5, 8; BADM 1, 2, 5; CHLD 4, 6; ECON 1, 2; HIST 1A, 1B, 2A, 2B, 4, 5, 8A, 8B; POLI 2; PSYC 1-6, 11-15; SOCI 1-3, 12 |
| HUMANITIES- Complete 1 course (minimum 3 units) |
| ARTS 1, 2, 3, 7, 10, 10B, 16, 18A-18C, 19; ENGL 1B, 6, 12B; HIST 1A, 1B, 8A, 8B; HUMA 1, 4, 5; MUSI 2, 3, 4, 4B-4D, 5A-5C, 6A-6C, 7 MUSI 7B-7D, 12A-12C; PHIL 1, 4, 5, 6, PHOT 1C, 2C, 3C, 4C, 9; SPAN 1A, 1B; TART 1, 3, 4, 4B-4D, 5, 5B-5D, 13, 13B, 13D |
| ACTIVITY - P.E. (1 Unit KINA Activity and ANY ONE additional course; 2-4 units) |
| One unit any KINA Activity |
| One unit any KINA or ATHL; AHLT 51, 63; HEAL 2; MUSI 4, 4B-4D, 5A-5C, 6A-6C, 7-7D |
| AMERICAN INSTITUTIONS- Complete 1 course (minimum 3 units) |
| HIST 2A, 2B, 4; POLI 1 |
| COMMUNICATION- Complete 1 course (minimum 3 units) |
| COMM 1, 3 |
| COMPUTER LITERACY- Complete 1 course (minimum 1-4 units) |
| Any one or more units course in CBIS or CSIS |
| ENGLISH- Complete 1 course (minimum 4 units) |
| ENGL 1A |
| MATHEMATICS- Complete 1 course (minimum 3-5 units) |
| MATH 55, 1, 2, 3, 4A, 4B, 4C, 5 |
| STUDENT DEVELOPMENT (May be waived with official transcripts transferring 15+ units) (minimum 3 units) |
| PSYC 5, SDEV 1 |
| Total General Education Units: 28-35 |

PROGRAMS OF STUDY

Administration of Justice

Associate of Science Degree for Transfer, Administration of Justice

Designed for those who wish to enter the law enforcement field and related employment or to provide in-service training for employed officers

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Evaluate and analyze the political and public administrative aspects of criminal justice organizations.
- Understand and apply principles and procedures of the justice system from law enforcement to courts and corrections.
- Demonstrate an understanding of the functions of police, courts, and corrections.
- Analyze various forms of evidence and evaluate how they are obtained, evaluated, and presented in trial.

| Subject | Course Title | Units |
|--|--|------------------|
| <i>Required Core Courses</i> | | |
| ADJU 1 | Introduction to the Administration of Justice | 3.0 |
| ADJU 3 | Concepts of Criminal Law | 3.0 |
| | Subtotal | 6.0 |
| <i>List A: Choose any 2 courses from the following</i> | | |
| ADJU 2 | Principles and Procedures of the Justice System | 3.0 |
| ADJU 4 | Legal Aspects of Evidence | 3.0 |
| ADJU 5 | Community Relations of the Justice System | 3.0 |
| ADJU 7 | Principles of Investigation | 3.0 |
| ADJU 8 | Juvenile Crime and Delinquency (formerly also offered as SOCI 8) | 3.0 |
| ADJU 14 | Introduction to Corrections | 3.0 |
| | Subtotal | 6.0 |
| <i>List B: Choose any 2 courses from the following or any course not previously used</i> | | |
| SOCI 1 | Introduction to Sociology | 3.0 |
| SOCI 12 | Research in the Social Sciences | 3.0 |
| PSYC 1 | Introduction to Psychology | 3.0 |
| MATH 2 | Introduction to Statistics | 4.0 |
| ADJU 6 | Concepts of Enforcement Services | 3.0 |
| ADJU 15 | Legal Aspects of Corrections | 3.0 |
| ADJU 16 | Control and Supervision in Corrections | 3.0 |
| ADJU 17 | Correctional Interviewing and Counseling | 3.0 |
| ADJU 18 | Fundamentals of Probation and Parole | 3.0 |
| | Subtotal | 6.0-7.0 |
| | Units Required in Major | 18.0-19.0 |
| | CSU GE Breadth or IGETC | 37.0-39.0 |
| | University Transferable Elective | 2.0-5.0 |
| | Total Units Required | 60.0 |

Automotive

Associate of Science Degree, Automotive Technology

Upon completion of the Automotive Technology program, students will have acquired entry-level knowledge and understanding of the tools, techniques, and procedures used in automotive repair.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Possess skills for entry-level placement utilizing the laboratory/shop requirements identified by NATEF.
- Successfully complete the ASE certification examination.
- Develop effective communication and interpersonal skills and future continuing education.

| Subject | Course Title | Units |
|---|--|------------------|
| <i>Required Core Courses</i> | | |
| AUTO 51A | Introduction to Automotive Technology | 4.0 |
| AUTO 52 | Automotive Electrical Systems | 4.0 |
| AUTO 53 | Automatic Transmissions and Transaxle | 4.0 |
| AUTO 54 | Automotive Brakes | 4.0 |
| AUTO 55 | Suspension and Steering | 4.0 |
| AUTO 56 | Engine Performance | 4.0 |
| | Subtotal | 24.0 |
| <i>Major Electives (Choose 9 units from the following courses):</i> | | |
| AUTO 52A | Introduction to Hybrid and Alternative Fuel Vehicles | 4.0 |
| AUTO 57 | Heating and Air Conditioning | 4.0 |
| WELD 50 | Oxyacetylene Welding & Cutting | 3.0 |
| WELD 51 | Shielded Metal Arc Weld & Cut | 3.0 |
| WELD 54 | Gas Metal Arc Welding | 3.0 |
| WELD 56 | Blueprint Reading (Metal Trades) | 3.0 |
| DESL 63 | Diesel Engine Fundamentals | 4.0 |
| DESL 64 | Diesel Fuel Injection Systems | 4.0 |
| DESL 65 | Diesel Starting, Charging, and Electrical Systems | 4.0 |
| DESL 67 | Diesel Engine Auxiliary Systems | 4.0 |
| DESL 70 | Steering, Suspension, and Brakes | 4.0 |
| BCTT 54 | Safety Orientation | 1.0 |
| CBIS 1 | Computer Concepts | 4.0 |
| | Subtotal | 9.0 |
| | Units Required in Major | 33.0 |
| | General Education Coursework | 28.0-46.0 |
| | Electives | 0 |
| | Total Units Required | 60.0 |

Certificate of Achievement, Automotive Technology

Upon completion of the Automotive Technology Certificate, the students will have acquired entry-level knowledge and understanding of the tools, techniques, and procedures used in automotive repair.

Upon completion of the certification requirements and the required courses with at least a "C" grade or better on each course, the student will earn a Certificate of Achievement in Automotive Technology.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Possess skills for entry-level placement utilizing the laboratory/shop requirements identified by NATEF.
- Successfully complete the ASE certification examination.
- Develop effective communication and interpersonal skills and future continuing education.

| Subject | Course Title | Units |
|------------------------------|---|-------------|
| <i>Required Core Courses</i> | | |
| AUTO 51A | Introduction to Automotive Technology | 4.0 |
| AUTO 52 | Automotive Electrical Systems | 4.0 |
| AUTO 53 | Automotive Transmissions and Transaxles | 4.0 |
| AUTO 54 | Automotive Brakes | 4.0 |
| AUTO 55 | Suspension and Steering | 4.0 |
| AUTO 56 | Engine Performance | 4.0 |
| | | |
| | Total Units Required | 24.0 |

Business Administration

Associate of Science Degree for Transfer, Business Administration

The Associate in Science in Business Administration for Transfer degree is intended for students who plan to complete a bachelor's degree in Business Administration at a California State University campus. This degree includes lower division coursework that is required for transfer and provides students with solid, foundational insight into the complexities of the contemporary business environment. Coursework in the areas of accounting, business law, and economics will equip students to recognize and analyze business, ethical, and financial issues in order to make informed decisions. Students who transfer to a California State University campus will be able to pursue degrees in areas such as accounting, finance, human resources management, international business, management, operations management, and marketing.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Demonstrate how the 21st century skills are utilized in education and the contemporary business environment.
- Speak and write business communications efficiently and effectively.
- Demonstrate a basic understanding of monetary and legal aspects of the 21st century business environment.

| Subject | Course Title | Units |
|--|-------------------------------------|------------------|
| <i>Required Core Courses</i> | | |
| ACCT 1 | Financial Accounting | 3.0 |
| ACCT 4 | Managerial Accounting | 3.0 |
| BADM 1 | Business Law 1 | 3.0 |
| ECON 1 | Macroeconomics | 3.0 |
| ECON 2 | Microeconomics | 3.0 |
| | Subtotal | 15.0 |
| List A | | |
| MATH 2 | Introduction to Statistics | 4.0 |
| | Subtotal | 4.0 |
| List B: Choose any 2 courses from the following | | |
| BADM 5 | Introduction to Business | 3.0 |
| BADM 6 | Business Communications | 3.0 |
| CBIS 1 | Computer Concepts (formerly CSIS 1) | 4.0 |
| | Subtotal | 6.0-7.0 |
| | Units Required in Major | 25.0-26.0 |
| | CSU GE Breadth or IGETC | 37.0-39.0 |
| | Total Units Required | 60.0 |

Associate of Science Degree, Accounting

This degree prepares students for entry-level positions in industry and service occupations, such as payroll, accounts receivable, accounts payable, and management.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Understand the role of accounting and apply basic accounting information to business decision-making.
- Demonstrate the ability to analyze, interpret, and prepare financial statements and reports in accordance with generally accepted accounting procedures.
- Demonstrate ethical conduct in accounting functions.

| Subject | Course Title | Units |
|--|--|------------------|
| <i>Required Core Courses</i> | | |
| ACCT 1 | Financial Accounting | 3.0 |
| ACCT 4 | Managerial Accounting | 3.0 |
| | Subtotal | 6.0 |
| <i>Choose any 4 courses from the following</i> | | |
| ACCT 5 | Personal Financial Planning | 3.0 |
| ACCT 68 | Federal Tax I | 3.0 |
| BADM 1 | Business Law I | 3.0 |
| BADM 19 | Marketing | 3.0 |
| CBIS 1 | Computer Concepts (formerly offered as CSIS 1) | 4.0 |
| CBIS 40 | Spreadsheet Applications | 4.0 |
| ECON 1 | Macroeconomics | 3.0 |
| ECON 2 | Microeconomics | 3.0 |
| | Subtotal | 12.0-14.0 |
| | | |
| | Units Required in Major | 18.0-19.0 |
| | General Education Coursework | 28.0-46.0 |
| | Electives | 0-14.0 |
| | Total Units Required | 60.0 |

Associate of Science Degree, Business

The Associate of Science Degree in Business is intended for students who desire to gain knowledge and entry level skills common to business and public sector employment. This degree includes coursework in the areas of accounting, business law, and economics that utilizes practical applications and case studies to facilitate the student's ability to recognize and analyze business, ethical, and financial issues in order to make informed decisions. Students who successfully complete this degree will have the critical thinking and reasoning skills to be a productive addition to any contemporary organization.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Demonstrate an introductory knowledge of the entry level skills common to the contemporary business environment.
- Speak and write business communications efficiently and effectively.
- Demonstrate a basic understanding of monetary and legal aspects of the 21st century business environment.

| Subject | Course Title | Units |
|---|-------------------------------------|------------------|
| <i>Required Core Courses</i> | | |
| ACCT 1 | Financial Accounting | 3.0 |
| ACCT 4 | Managerial Accounting | 3.0 |
| ECON 1 | Macroeconomics | 3.0 |
| ECON 2 | Microeconomics | 3.0 |
| BADM 1 | Business Law | 3.0 |
| | Subtotal | 15.0 |
| <i>Choose one course from the following</i> | | |
| BADM 2 | Business Law II | 3.0 |
| BADM 19 | Marketing | 3.0 |
| CBIS 40 | Spreadsheet Applications | 4.0 |
| CBIS 41 | Beginning Word Processing | 4.0 |
| CBIS 42 | Advanced Word Processing | 4.0 |
| CBIS 43 | Presentation Applications and Media | 3.0 |
| ENTR 1 | Entrepreneurship | 3.0 |
| | Subtotal | 3.0-4.0 |
| | Units Required in Major | 18.0-19.0 |
| | General Education Coursework | 28.0-46.0 |
| | Electives | 0-14.0 |
| | Total Units Required | 60.0 |

Associate of Science Degree, Management

This degree prepares students with entry-level knowledge in management concepts and procedures. Student will gain understanding of management terms, functional applications, and communication skills.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Apply a comprehensive understanding of 21st century workforce skills as they relate to success in the modern business environment.
- Collaborate successfully and develop successful group or team relationships that support organizational goals in both the public and private sectors.
- Implement emotional intelligence/soft skills for managing themselves and others in the work environment.

| Subject | Course Title | Units |
|---|-------------------------------------|------------------|
| <i>Required Core Courses</i> | | |
| MGMT 1 | Introduction to Management | 3.0 |
| MGMT 3 | Human Resource Management | 3.0 |
| MGMT 5 | Organization and Management | 3.0 |
| CBIS 13 | Management Information Systems | 3.0 |
| | Subtotal | 12.0 |
| <i>Choose any 2 courses from the following:</i> | | |
| ACCT 1 | Financial Accounting | 3.0 |
| ACCT 4 | Managerial Accounting | 3.0 |
| BADM 2 | Business Law II | 3.0 |
| BADM 19 | Marketing | 3.0 |
| CBIS 40 | Spreadsheet Applications | 4.0 |
| CBIS 41 | Beginning Word Processing | 4.0 |
| CBIS 42 | Advanced Word Processing | 4.0 |
| CBIS 43 | Presentation Applications and Media | 4.0 |
| ENTR 1 | Entrepreneurship | 3.0 |
| | Subtotal | 6.0-8.0 |
| | Units Required in Major | 18.0-20.0 |
| | General Education Coursework | 28.0-46.0 |
| | Electives | 0-14.0 |
| | Total Units Required | 60.0 |

Certificate of Achievement, Accounting

This certificate prepares students for entry-level positions in industry and service occupations, such as payroll, accounts receivable, accounts payable, and management.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Understand the role of accounting and apply basic accounting information to business decision-making.
- Demonstrate the ability to analyze, interpret, and prepare financial statements and reports in accordance with generally accepted accounting procedures.
- Demonstrate ethical conduct in accounting functions.

| Subject | Course Title | Units |
|------------------------------|-----------------------------|-------------|
| <i>Required Core Courses</i> | | |
| ACCT 1 | Financial Accounting | 3.0 |
| ACCT 4 | Managerial Accounting | 3.0 |
| ACCT 5 | Personal Financial Planning | 3.0 |
| ACCT 68 | Federal Tax I | 3.0 |
| BADM 1 | Business Law I | 3.0 |
| BADM 5 | Introduction to Business | 3.0 |
| | | |
| | Total Units Required | 18.0 |

Certificate of Achievement, Management

This certificate prepares students with entry-level positions in industry and service occupations, such as payroll, accounts receivable, accounts payable, and management.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Apply a comprehensive understanding of 21st century workforce skills as they relate to success in the modern business environment.
- Collaborate successfully and develop successful group or team relationships that support organizational goals in both the public and private sectors.
- Implement emotional intelligence/soft skills for managing themselves and others in the work environment.

| Subject | Course Title | Units |
|------------------------------|-----------------------------|-------------|
| <i>Required Core Courses</i> | | |
| ACCT 1 | Financial Accounting | 3.0 |
| BADM 19 | Marketing | 3.0 |
| ENTR 1 | Entrepreneurship | 3.0 |
| MGMT 1 | Introduction to Management | 3.0 |
| MGMT 3 | Human Resource Management | 3.0 |
| MGMT 5 | Organization and Management | 3.0 |
| | | |
| | Total Units Required | 18.0 |

Certificate of Achievement, Management Information Systems

This certificate prepares students to acquire basic knowledge in developing skills needed to analyze and solve business problems using the tools of information technology. Areas of interest include information system methodologies, system hardware and software, system analysis and design, system database development, and system web development.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Apply information technology (IT) principles, and information systems knowledge, such as database management, and use of basic understanding of Personal Computer (PC) systems in achieving business competitiveness, and informed decision making of business operation.
- Gain a variety of professional skills, such as utilizing database technology to streamline a company's business process. Analyze a business IT need, identify different components required to solve the problem, create a solution that uses appropriate combination of software applications, and employ Internet-based systems necessary to solve that need and/or problem.
- Receive comprehensive instruction in such IT fundamentals as organizational analysis, technological development, and organizational intelligence. Think critically and creatively to identify, formulate and solve problems involved with information systems and management.

| Subject | Course Title | Units |
|------------------------------|---|--------------|
| <i>Required Core Courses</i> | | |
| CBIS 1 | Computer Concepts (formerly offered as CSIS 1) | 4.0 |
| CBIS 13 | Management Information Systems | 3.0 |
| CBIS 15 | Information Networking | 3.0 |
| CBIS 17 | Database Design and Management-Microsoft Access | 3.0 |
| CBIS 19 | Systems Analysis and Design | 3.0 |
| | | |
| | Total Units Required | 16.0 |

Certificate of Achievement, Microsoft Office Specialist

This certificate is designed to prepare students to demonstrate proficiency in one or more Office programs and to take the Microsoft Office Specialist Certification exams. It also prepares students for entry-level positions in data entry and the clerical field as a receptionist or typist. Entry level duties include general clerical duties, filing, and basic/advanced computer related tasks.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Demonstrate how to use current productivity software applications and learn to create professional office documents using the Microsoft Office Suite including Word, Excel, Access, Outlook, and PowerPoint.
- Establish the ability to perform a number of Word tasks, such as creating, editing, managing documents, and formatting text. Create, edit and manage presentations and slides, insert and format shapes and slide contents. Demonstrate the fundamentals of spreadsheets applications with excel such as creating, editing, and managing worksheets and workbooks, creating cells, applying formulas, functions and creating charts and objects.
- Demonstrate the ability to use principle Access features to independently create custom, browser-based database applications, such as creating and managing a database, building tables, creating queries, creating forms and reports. Customize the Outlook user interface, format message content, create or insert graphic elements, and send and respond to emails and meeting requests.
- Develop additional expertise in each of the Microsoft Office productivity software applications. This specialization assists in preparation for the Microsoft Office Specialist (MOS) certification exams.

| Subject | Course Title | Units |
|------------------------------|---|-------------|
| <i>Required Core Courses</i> | | |
| CBIS 17 | Database Design and Management-Microsoft Access | 3.0 |
| CBIS 40 | Spreadsheet Applications | 4.0 |
| CBIS 41 | Beginning Word Processing | 4.0 |
| CBIS 42 | Advanced Word Processing | 4.0 |
| CBIS 43 | Presentation Applications and Media | 3.0 |
| CBIS 74 | Microsoft Outlook | 1.5 |
| | | |
| | Total Units Required | 19.5 |

Early Childhood Education

Associate of Science Degree for Transfer, Early Childhood Education

The Associate of Science Degree for Transfer in Early Childhood Education (AS-T) is designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to the Early Childhood Education major. This priority does not guarantee admission to specific majors or campuses. Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester units.

Upon completion of the Associate of Science Degree for Transfer in Early Childhood Education, students will have a strong academic foundation in the field and be prepared for upper division baccalaureate study. Students who have completed the AS-T in Early Childhood Education will have satisfied the lower division requirements for transfer into Early Childhood Education or similar major for many campuses in the California State University system.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Apply research theories, social interrelationships and developmentally age appropriate activities, teaching strategies, and develop a curriculum based on their observations and assessments that contribute toward the development of the young child.
- Advocate for young children, to ensure appropriate resources and best practices for their education.
- Demonstrate skills learned to create a high quality-learning environment that facilitates the emotional, cognitive, language, physical and social domains of the child.

| Subject | Course Title | Units |
|------------------------------|---|------------------|
| <i>Required Core Courses</i> | | |
| CHLD 4 | Child Growth and Development (formerly offered as PSYC 4) | 3.0 |
| CHLD 6 | Child, Family, Community (formerly offered as SOCI 6) | 3.0 |
| CHLD 9 | Introduction to Early Childhood Curriculum | 3.0 |
| CHLD 11A | Principles & Practices in Early Childhood Education | 3.0 |
| CHLD 14 | Child Health, Safety, and Nutrition | 3.0 |
| CHLD 20 | Observation and Assessment | 3.0 |
| CHLD 25 | Teaching in a Diverse Society | 3.0 |
| CHLD 49 | Practicum Field Experience | 4.0 |
| | Subtotal | 25.0 |
| | Units Required in Major | 25.0 |
| | CSU GE Breadth or IGETC | 37.0-39.0 |
| | Total Units Required | 60.0 |

Certificate of Achievement, Child Development Level I – Associate Teacher Permit

The Level I certificate is the first step in entering the career path for early childhood education. Upon completion of this level the recipient meets the minimum state requirements to teach in a private preschool and school age program. This level requires 12 units of ECE/CD. This course work aligns with California. "Child Development Associate Teacher Permit" (on the State Matrix Level additional requirements are 50 days of 3+ hours per day within 2 years). For further information on these requirements, contact the Child Development Training Consortium at www.childdevelopment.org or the Commission on Teacher Credentialing via email at www.ctc.ca.gov.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Begin to understand how to research theories, social interrelationships and create developmentally age appropriate activities, implement teaching strategies, and develop a curriculum based on observations and assessments that contribute toward the development of the young child.
- Begin the journey of becoming an advocate for young children, understand how to seek appropriate resources that support best practices for young children.
- Articulate the components of a learning environment that supports the emotional, cognitive, language, physical and social domains of the child.

| Subject | Course Title | Units |
|------------------------------|--|-------------|
| <i>Required Core Courses</i> | | |
| CHLD 4 | Child Growth and Development (formerly also offered as PSYC 4) | 3.0 |
| CHLD 6 | Child, Family, Community (formerly also offered as SOCI 6) | 3.0 |
| CHLD 9 | Introduction to Early Childhood Curriculum | 3.0 |
| CHLD 11A | Principles & Practices in Early Childhood Education | 3.0 |
| CHLD 12A | Creative Activities for Early Childhood Education | 3.0 |
| CHLD 14 | Child Health, Safety and Nutrition | 3.0 |
| | | |
| | | |
| | Total Units Required | 18.0 |

Certificate of Achievement, Child Development Level II – Teacher Permit

The Level II certificate fulfills the educational and practical requirements for students interested in working with children from infancy through third grade. This level requires 25 units of ECE/CD (including 8 core lower division courses). This course work aligns with California “Child Development Teacher Permit” (on the State Matrix Level additional requirements are 16 general education units, and 175 days of 3+ hours per day within 4 years). For further information on these requirements, contact the Child Development Training Consortium at www.childdevelopment.org or the Commission on Teacher Credentialing via email at www.ctc.ca.gov.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Apply research theories, social interrelationships and developmentally age appropriate activities, teaching strategies, and develop a curriculum based on their observations and assessments that contribute toward the development of the young child.
- Advocate for young children, to ensure appropriate resources and best practices for their education.
Demonstrate skills learned to create a high quality-learning environment that facilitates the emotional, cognitive, language, physical and social domains of the child.

| Subject | Course Title | Units |
|------------------------------|--|-------------|
| <i>Required Core Courses</i> | | |
| CHLD 4 | Child Growth and Development (formerly also offered as PSYC 4) | 3.0 |
| CHLD 6 | Child, Family, Community (formerly also offered as SOCI 6) | 3.0 |
| CHLD 9 | Introduction to Early Childhood Curriculum | 3.0 |
| CHLD 11A | Principles & Practices in Early Childhood Education | 3.0 |
| CHLD 14 | Child Health, Safety and Nutrition | 3.0 |
| CHLD 20 | Observation and Assessment | 3.0 |
| CHLD 25 | Teaching in a Diverse Society | 3.0 |
| CHLD 49 | Practicum Field Experience | 4.0 |
| | | |
| | Total Units Required | 25.0 |

Certificate of Achievement, Child Development Level III – Master Teacher Permit

The Level III certificate is considered a stackable certificate that follows Level II. This certificate aligns with California "Child Development Master Teacher Permit" (on the State Matrix Level additional requirements are 25 units of ECE/CD (including 8 core lower division courses), 16 general education units, and 350 days of 3+ hours per day within 4 years). For further information on these requirements, contact the Child Development Training Consortium at www.childdevelopment.org or the Commission on Teacher Credentialing via email at www.ctc.ca.gov.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Apply current theory and research, to support working with infants and toddlers, or children with special needs, or after school-aged children, or the development of language and literacy.
- Identify and implement policies, principles, and laws, which support infants and toddlers, or children with special needs, or after-school aged children.
- Create a learning environment that supports an infant and toddler program, or children with special needs, or after school-aged children, or approaches to language development.

| Subject | Course Title | Units |
|---|--|-------------|
| <i>Required Core Courses</i> | | |
| CHLD 4 | Child Growth and Development (formerly also offered as PSYC 4) | 3.0 |
| CHLD 6 | Child, Family, Community (formerly also offered as SOCI 6) | 3.0 |
| CHLD 9 | Introduction to Early Childhood Curriculum | 3.0 |
| CHLD 11A | Principles & Practices in Early Childhood Education | 3.0 |
| CHLD 14 | Child Health, Safety and Nutrition | 3.0 |
| CHLD 20 | Observation and Assessment | 3.0 |
| CHLD 25 | Teaching in a Diverse Society | 3.0 |
| CHLD 19C | Adult Supervision and Mentoring in Early Childhood Education | 3.0 |
| CHLD 49 | Practicum Field Experience | 4.0 |
| | Subtotal | 28.0 |
| <i>Specialization, choose one of the following:</i> | | |
| CHLD 15 & 15A | Infant/Toddler Specialization | 6.0 |
| CHLD 17 & 17A | School-Age Children Specialization | 6.0 |
| CHLD 30 & 30A | Literacy Specialization | 6.0 |
| CHLD 35 & 35A | Special Needs Specialization | 6.0 |
| | Subtotal | 6.0 |
| | | |
| | Total Units Required | 34.0 |

Certificate of Achievement, Child Development Level IV – Site Supervisor Teacher Permit

The Level IV certificate is considered a stackable certificate that follows Level II and/or Level III. This certificate aligns with California "Child Development Site Supervisor Permit" (on the State Matrix Level additional requirements are 25 units of ECE/CD (including 8 core lower division courses), 16 general education units, and 350 days of 3+ hours per day within 4 years including 100 days of supervising adults). For further information on these requirements, contact the Child Development Training Consortium at www.childdevelopment.org or the Commission on Teacher Credentialing via email at www.ctc.ca.gov.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Identify and apply various techniques to organize and operate an early care and education program.
- Advocate for and implement legal and ethical responsibilities including professionalism supportive of a diverse and inclusive early care and education program.
- Research and articulate roles of early childhood professionals with the emphasis of supervising student teachers, volunteers, and staff.

| Subject | Course Title | Units |
|------------------------------|--|-------------|
| <i>Required Core Courses</i> | | |
| CHLD 4 | Child Growth and Development (formerly also offered as PSYC 4) | 3.0 |
| CHLD 6 | Child, Family, Community (formerly also offered as SOCI 6) | 3.0 |
| CHLD 9 | Introduction to Early Childhood Curriculum | 3.0 |
| CHLD 11A | Principles & Practices in Early Childhood Education | 3.0 |
| CHLD 14 | Child Health, Safety, and Nutrition | 3.0 |
| CHLD 19A | Administration I: Programs in Early Childhood Education | 3.0 |
| CHLD 19B | Administration II: Personnel and Leadership in Early Childhood Education | 3.0 |
| CHLD 19C | Adult Supervision and Mentoring in Early Childhood Education | 3.0 |
| CHLD 20 | Observation and Assessment | 3.0 |
| CHLD 25 | Teaching in a Diverse Society | 3.0 |
| CHLD 49 | Practicum Field Experience | 4.0 |
| | | |
| | | |
| | Total Units Required | 34.0 |

Certificate of Achievement (Low Unit), Family Daycare

This certificate meets the training needs of family day care providers, individuals who are licensed to care for children in their homes. The following course of study will prepare the student to meet the competency standards for the Family Daycare Provider's permit. There may be additional requirements through Child Care Licensing/Community Care licensing. Information can be found at <http://www.cdss.ca.gov/inforesources/Child-Care-Licensing>.

Program Level Outcomes

Upon successful completion, the student will be able to:

- Demonstrate an understanding in promoting social interrelationships and developmentally age appropriate activities, teaching strategies, and develop a curriculum based on their observations and assessments that contribute toward the development of the young child.
- Articulate the requirements to prepare for and open a family day care program with using Community Care Licensing.
- Demonstrate skills learned to develop high quality family daycare program that facilitates the emotional, cognitive, language, physical and social domains of the child.

| Subject | Course Title | Units |
|------------------------------|---|--------------|
| <i>Required Core Courses</i> | | |
| CHLD 9 | Introduction to Early Childhood Curriculum | 3.0 |
| CHLD 12A | Creative Activities for Early Childhood Education | 3.0 |
| CHLD 14 | Child Health, Safety and Nutrition | 3.0 |
| CHLD 15 | Infants and Toddlers: Care and Education | 3.0 |
| CHLD 25 | Teaching in a Diverse Society | 3.0 |
| CHLD 61 | Family Daycare Provider | 3.0 |
| | | |
| | | |
| | Total Units Required | 18.0 |

Humanities

Associate of Art Degree for Transfer, Art History

This degree prepares students for transfer to four-year colleges and universities as well as for careers in education, museums, research, and related fields. The program prepares the student to further their studies of the history of the practice and production of visual arts and uses the study of art history as the study of objects within their historical, cultural and stylistic context. This is complemented by the requirement of two studio classes where the art history student learns the basic skills and concepts inherent in creating a work of art.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Develop critical interdisciplinary thinking, both in oral and written form, through comparative analysis and development of visual acuity.
- Discern and appreciate the wide range of ethnically, culturally, and socially diverse art forms, representations, and practices.
- Apply art history terminology in the analysis and evaluation of works of art and architecture through written tests, presentations, and oral discussions; the intersection of form, content and patronage in the formation of visual culture.

| Subject | Course Title | Units |
|--|--|------------------|
| <i>Required Core Courses</i> | | |
| ARTS 1 | Art History and Appreciation: Prehistory through the Middle Ages | 3.0 |
| ARTS 2 | Art History and Appreciation: Early Renaissance to Post Modern | 3.0 |
| ARTS 7 | Drawing and Composition | 4.0 |
| | Subtotal | 10.0 |
| List A | | |
| ARTS 13A | Asian Art History: Early Cultures | 3.0 |
| | Subtotal | 3.0 |
| List B: Choose one course from the following | | |
| ARTS 3 | Two-Dimensional Design | 4.0 |
| ARTS 5 | Three-Dimensional Design | 4.0 |
| ARTS 10A | Beginning Painting (formerly ARTS 10) | 3.0 |
| ARTS 18A | Beginning Ceramics | 4.0 |
| ARTS 19 | Beginning Sculpture | 4.0 |
| PHOT 1C | Introduction to Digital Photography | 4.0 |
| | Subtotal | 3.0-4.0 |
| List C: Choose one course from the following or any course not previously used: | | |
| ARTS 17 | Watercolor Painting | 3.0 |
| HIST 8B | Survey of World Civilizations II: From the 1300s to the Present | 3.0 |
| HUMA 4 | Survey of Film | 3.0 |
| | Subtotal | 3.0-4.0 |
| | Units Required in Major | 19.0-20.0 |
| | CSU GE Breadth or IGETC | 37.0-39.0 |
| | University Transferable Elective | 1.0-4.0 |
| | Total Units Required | 60.0 |

Associate of Art Degree for Transfer, English**

The Associate in Arts in English for Transfer Degree AA-T helps prepare students for transfer to a 4 - year institution by developing strong writing and revisioning skills, research skills, critical thinking and problem solving skills, discussions skills, and the overall ability to organize, and analyze and present ideas. In addition, the skills and abilities cultivated by the study of English are excellent preparation for any field, which requires wide literacy and solid writing ability, including teaching/education, advertising, law, public relations, and work in print and electronic media.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Students will write essays that demonstrate college-level composition skills, such as organization, a strong thesis, credible content, and appropriate citations.
- Students will learn research and analytical techniques that will benefit them across many disciplines, including those needed for business and technical writing situations. In some classes, students will learn analysis of literature and writing in appropriate contexts.

| Subject | Course Title | Units |
|--|---|------------------|
| <i>Required Core Courses</i> | | |
| ENGL 1B | Introduction to Literature | 3.0 |
| ENGL 1C | Critical Thinking and Composition | 4.0 |
| | Subtotal | 7.0 |
| <i>List A: Choose 2 courses from the following</i> | | |
| ENGL 2 | Survey of English Literature to the Romantic Era | 3.0 |
| ENGL 3 | Survey of English Literature: Romantic Era to Present | 3.0 |
| ENGL 12 | Survey of American Literature to 1865 | 3.0 |
| ENGL 12B | Survey of American Literature II 1865-Present | 3.0 |
| | Subtotal | 6.0 |
| <i>List B: Choose one from the following or any course not previously used from List A</i> | | |
| ENGL 4 | Introduction to Shakespeare | 3.0 |
| ENGL 7 | Creative Writing | 3.0 |
| | Subtotal | 3.0 |
| <i>List C: Choose one from the following or any course not used from List A or B</i> | | |
| ENGL 5 | Introduction to Children's Literature | 3.0 |
| ENGL 6 | Bible as Literature (formerly also offered as RLGS 5) | 3.0 |
| SPAN 1A | Beginning Spanish | 4.0 |
| | Subtotal | 3.0-4.0 |
| | | |
| | Units Required in Major | 19.0-20.0 |
| | CSU GE Breadth or IGETC | 37.0-39.0 |
| | University Transferable Elective | 1.0-4.0 |
| | Total Units Required | 60.0 |

****Pending Chancellor's Office Approval**

Natural Science and Math

Associate of Art Degree for Transfer, Kinesiology**

The Associate in Science in Kinesiology for Transfer (AA-T), also called the Kinesiology AA-T Degree, prepares students to transfer to CSU campuses that offer a bachelor's degree in Kinesiology. Ed Code Section 66746-66749 states students earning the Kinesiology AA-T degree will be granted priority for admission as a Kinesiology major to a local CSU, as determined by the CSU campus to which the student applies. Students with a degree in Kinesiology may pursue careers in a variety of health science professions including physical training, physical therapy, fitness instruction, coaching and athletics. The completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for upper-division work. The Kinesiology AA-T Degree requires a total of 36 units in required courses and restricted electives from the categories below as indicated. The following is required for all AA-T degrees, and there are no additional graduation requirements: Upon completion of the Kinesiology ADT, students will have a strong academic foundation in the field and be prepared for upper division baccalaureate study. Students who have completed the Associate of Arts in Kinesiology will have satisfied the lower division requirements for transfer into Kinesiology or similar major for many campuses in the California State University system.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Demonstrate an understanding of the scientific, functional and mechanical processes of the human body.
- Demonstrate competencies as it relates to psychomotor, cognitive, and affective domains relating to kinesiology.
- Examine and evaluate physical activities and their relationship to wellness and fitness

| Subject | Course Title | Units |
|--|--|-------------|
| <i>Required Core Courses</i> | | |
| KINL 1 | Introduction to Kinesiology (formerly PELC 2) | 3.0 |
| BIOL 4 | Human Anatomy | 5.0 |
| BIOL 5 | Human Physiology | 5.0 |
| Subtotal | | 13.0 |
| <i>Movement Based Courses: Choose one course from three of the following Areas</i> | | |
| Area 2: Combatives | | |
| KINA 30A | Beginning Self-Defense and Karate | 1.0 |
| KINA 31A | Beginning Cardio Kickboxing | 1.0 |
| Subtotal | | 1.0 |
| Area 4: Fitness | | |
| KINA 3A | Circuit Weight Training-Machines Only (formerly PEAC 3) | 1.0 |
| KINA 4A | Basic Weight Training and Conditioning (formerly PEAC 4) | 1.0 |
| KINA 5A | Cardiovascular Lab (formerly PEAC 29) | 1.0 |
| KINA 6A | Fitness Walking, Jogging and Running | 1.0 |
| KINA 7A | Tai Ji Quan (formerly PEAC 20) | 1.0 |
| KINA 8A | Breathing, Meditation, Relaxation (formerly PEAC 21) | 1.0 |
| Subtotal | | 1.0 |
| Area 5: Individual Sports | | |
| KINA 21A | Beginning Tennis | 1.0 |
| KINA 22A | Beginning Badminton (formerly PEAC 33) | 1.0 |
| KINA 23A | Beginning Golf | 1.0 |
| Subtotal | | 1.0 |
| Area 6: Team Sports | | |
| KINA 16A | Beginning Volleyball (formerly PEAC 11) | 1.0 |
| KINA 17A | Beginning Basketball | 1.0 |

| | | |
|--|---|------------------|
| KINA 18A | Beginning Softball | 1.0 |
| | Subtotal | 1.0 |
| List A: Choose 6 units from the following | | |
| CHEM 2A | General Chemistry I | 5.0 |
| KINL 23 | First Aid and Safety | 3.0 |
| MATH 2 | Introduction to Statistics | 4.0 |
| PHYS 2A | General Physics I: Mechanics of Solids and Fluids | 5.0 |
| | Subtotal | 6.0-10.0 |
| | | |
| | Units Required in Major | 22.0-26.0 |
| | CSU GE Breadth or IGETC | 37.0-39.0 |
| | University Transferable Elective | 0-1.0 |
| | Total Units Required | 60.0 |

****Pending Chancellor's Office Approval**

Photography

Certificate of Achievement, Photography

This certificate provides the student with a broad base of technical skills in photography with additional emphasis on visual communication. Prepares students to enter the photographic field in a variety of positions such as production printer, studio photographer, photo lab technician, and freelance photographer. See Certificate Programs for additional information and/or requirements for this certificate type.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Demonstrate the technical knowledge for using the photographic digital camera.
- Define digital photography terminology and identify image editing software features and their proper use.
- Create photo-based artwork that demonstrates proficiency in digital photography techniques giving completter the skill to enter or advance in the work force in the field of photography.

| Subject | Course Title | Units |
|------------------------------|--|-------------|
| <i>Required Core Courses</i> | | |
| PHOT 1C | Introduction to Digital Photography | 4.0 |
| PHOT 2C | Digital Photography | 4.0 |
| PHOT 3C | Studio and Outdoor Lighting in Digital Photography | 4.0 |
| PHOT 4C | Advanced Digital Photography | 4.0 |
| | | |
| | | |
| | Total Units Required | 16.0 |

Social Science

Associate of Art Degree for Transfer, History

The curriculum in the History program is designed to provide the transfer student the opportunity to achieve an Associate for Transfer (AA-T) degree in History by providing the necessary breadth in the field, an introduction to the methods used, and the ability to complete both major preparatory coursework along with courses required for general education.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Demonstrate a thorough general knowledge of the roots and early history of world civilizations, including political, social, economic, scientific, technological, and artistic changes and achievements.
- Distinguish between primary and secondary historical sources and use them to compose a well-researched argument.
- Effectively conduct research and write a coherent historical essay or research paper that articulates a clear argument, effectively uses interprets multiple forms of evidence, identifies arguments in secondary historical texts, and uses appropriate citations.

| Subject | Course Title | Units |
|---|---|------------------|
| <i>Required Core Courses</i> | | |
| HIST 2A | Survey of US History I: The Colonial Period through Reconstruction | 3.0 |
| HIST 2B | Survey of US History II: From the End of the Reconstruction to the 21st Century | 3.0 |
| | Subtotal | 6.0 |
| List A: <i>Choose one course from each Area</i> | | |
| Area 1 | | |
| HIST 1A | Survey of Western Civilization: The Ancient Near East to 1648 | 3.0 |
| HIST 8A | Survey of World Civilizations I: From the Dawn of Humankind to the 1300s | 3.0 |
| | Subtotal | 3.0 |
| Area 2 | | |
| HIST 1B | Survey of Western Civilization II: The Renaissance to the Present Day | 3.0 |
| HIST 8B | Survey of World Civilizations II: From the 1300s to the Present | 3.0 |
| | Subtotal | 3.0 |
| List B: <i>Choose 2 courses from the following</i> | | |
| HIST 4 | The US in the 20th Century | 3.0 |
| HIST 5 | History of California | 3.0 |
| POLI 1 | American Political Institutions | 3.0 |
| POLI 2 | Comparative Government | 3.0 |
| PSYC 1 | Introduction to Psychology | 3.0 |
| SOCI 1 | Introduction to Sociology | 3.0 |
| | Subtotal | 6.0 |
| | | |
| | Units Required in Major | 18.0 |
| | CSU GE Breadth or IGETC | 37.0-39.0 |
| | University Transferable Elective | 3.0-5.0 |
| | Total Units Required | 60.0 |

Associate of Art Degree for Transfer, Political Science

The Associates in Arts in Political Science for Transfer (AA-T) helps students learn about the operation of political authority at the local, national, and international levels. Besides studying American political institutions, students will examine other governments, their civil codes, policy issues, and decision making. In addition, appreciation will be gained for the growing role of international actors, and importance of global issues. The AA-T in political science is intended for political science majors who seek a bachelor's degree in a similar major at a CSU campus. This program will be a general preparation for careers in government, conflict resolution, criminal justice, civil service, international organizations or corporations, education, journalism, law, public administration, public service, and research. Upon completion of the Associates in Arts in Political Science for Transfer, students will have a strong academic foundation in the field and be prepared for upper division baccalaureate study. Students who have completed the Associates in Arts in Political Science for Transfer will have satisfied the lower division requirements for transfer into Political Science or similar major for many campuses in the California State University system.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Identify the institutions, players and processes in both American national, state government, local government and the democratic citizenship skills needed to navigate and actively participate in government and its decision making process.
- Analyze the language, exercise of power, and technology in formal governmental institutions and non-governmental institutions, from interest groups to human rights organizations to corporate board rooms.
- Compare and analyze the political development, situation, experience, and interaction of various countries.

| Subject | Course Title | Units |
|--|---|------------------|
| <i>Required Core Courses</i> | | |
| POLI 1 | American Political Institutions | 3.0 |
| Subtotal | | 3.0 |
| List A: Choose 3 courses from the following | | |
| MATH 2 | Introduction to Statistics | 4.0 |
| POLI 2 | Comparative Government | 3.0 |
| POLI 3 | Introduction to International Relations | 3.0 |
| Subtotal | | 10.0 |
| List B: Choose 2 courses from the following or any course not previously used | | |
| ADJU 1 | Introduction to the Administration of Justice | 3.0 |
| HIST 2A | Survey of US History I: The Colonial Period through Reconstruction | 3.0 |
| HIST 2B | Survey of US History II: From the End of Reconstruction to the 21st Century | 3.0 |
| PSYC 1 | Introduction to Psychology | 3.0 |
| SOCI 1 | Introduction to Sociology | 3.0 |
| SOCI 12 | Research in Social Sciences | 3.0 |
| Subtotal | | 6.0 |
| Units Required in Major | | 19.0 |
| CSU GE Breadth or IGETC | | 37.0-39.0 |
| University Transferable Elective | | 2.0-4.0 |
| Total Units Required | | 60.0 |

Associate of Art Degree for Transfer, Psychology

Psychology is a diverse field of academic study and practical application which explores human behaviors and mental processes including an individual's mental life and personal development, abstract and philosophical issues such as the nature of knowledge, and how that knowledge depends on individual and cultural experience and biological variables. Students investigate how humans adapt to everyday problems, and how maladaptive behavior creates personal, interpersonal, cultural, and species difficulties, and how these difficulties can be avoided or removed.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Students will demonstrate knowledge, orally and in written form, of the major concepts, theoretical perspectives, and historical trends in psychology.
- Students will demonstrate and apply basic research methods in psychology, including research design, data analysis, interpretation, and ethical guidelines.
- Students will demonstrate knowledge and apply psychological principles to personal, social, and organizational issues.

| Subject | Course Title | Units |
|--|---|------------------|
| <i>Required Core Courses</i> | | |
| PSYC 1 | Introduction to Psychology | 3.0 |
| PSYC 12 | Research Methods in Psychology | 3.0 |
| MATH 2 | Introduction to Statistics | 4.0 |
| | Subtotal | 10.0 |
| List A: <i>Choose one course from the following</i> | | |
| BIOL 2 | Concepts in Biology | 4.0 |
| | | |
| List B: <i>Choose one course from the following</i> | | |
| PSYC 2 | Developmental Psychology | 3.0 |
| PSYC 11 | Human Sexuality | 3.0 |
| SOCI 1 | Introduction to Sociology | 3.0 |
| | Subtotal | 3.0 |
| List C: <i>Choose one course from the following or any course not previously used</i> | | |
| PSYC 14 | Introduction to Drug/Alcohol Studies | 3.0 |
| PSYC 15 | Introduction to Guidance & Counseling | 3.0 |
| | Subtotal | 3.0 |
| | | |
| | Units Required in Major | 20.0 |
| | CSU GE Breadth or IGETC | 37.0-39.0 |
| | University Transferable Elective | 1.0-3.0 |
| | Total Units Required | 60.0 |

Associate of Art Degree for Transfer, Sociology

Sociology is the study of human social behavior, groups, and how environments influence behavior. Sociologists focus on the origins, organizations, institutions, and developments of society. Students take courses to prepare for a sociology major or to fulfill general education requirements. In addition to helping students meet general education and core requirements for transfer, sociology courses are also designed to help students understand the structure, processes, and functions of society. Further, the program seeks to foster critical and systemic thinking and increase self-knowledge and awareness of the diversity of the human condition. Career options include social work, human services, law enforcement, legal professions, business and teaching. This program requires 18 units in the major with a grade of "C" or better while maintaining a minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework.

Program Learning Outcomes

Upon successful completion, the student will be able to:

- Students will demonstrate knowledge of the three theoretical perspectives (functionalist perspective, the conflict perspective, and the interactionist perspective) as evidenced by applying a theoretical framework to one of the social topics discussed in course, i.e.: culture, gender, race, deviance and family.
- Describe the advantages and disadvantages of various sociological methods.

| Subject | Course Title | Units |
|---|-------------------------------------|------------------|
| <i>Required Core Courses</i> | | |
| SOCI 1 | Introduction to Sociology | 3.0 |
| | Subtotal | 3.0 |
| <i>Choose any 2 courses from the following:</i> | | |
| MATH 2 | Introduction to Statistics | 4.0 |
| SOCI 2 | American Social Problems | 3.0 |
| SOCI 12 | Research in Social Sciences | 3.0 |
| | Subtotal | 6.0-7.0 |
| List A: <i>Choose any 2 courses from the following:</i> | | |
| SOCI 3 | Sociology of Modern Family Life | 3.0 |
| SOCI 7 | Introduction to Race & Ethnicity | 3.0 |
| SOCI 9 | Sociology of Gender | 3.0 |
| SOCI 10 | Introduction to Criminology | 3.0 |
| | Subtotal | 6.0-7.0 |
| List B: <i>Choose any one course not previously used</i> | | |
| | Subtotal | 3.0-4.0 |
| | | |
| | | |
| | Units Required in Major | 18.0-21.0 |
| | General Education Coursework | 37.0-39.0 |
| | CSU Transferable Elective | 0.0-5.0 |
| | Total Units Required | 60.0 |

Allied Health

AHLT 55A

9 Unit

Emergency Medical Technician - Basic

Course Hours: 153 hours lecture; 27 hours laboratory
The field of pre-hospital care is an extension of the medical profession. The Emergency Medical Technician is the entry level for emergency response personnel. Successful completion of this course also includes field work experiencing actual emergency situations and will qualify the student for National Registry of EMT's Testing/Certification which is required by the State of California and the Inland Counties Emergency Medical Agency (ICEMA) to obtain employment as an Emergency Medical Technician-Basic. Prerequisite: Healthcare Provider or Equivalent CPR Card

Grading: Audit, Normal, Pass/No Pass

Repeatability: Unlimited

Credit: Degree Applicable

C-ID: None

CSU: Non-transferable

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Interactive Video/Audio

AHLT 62A

2 Unit

Emergency Medical Technician Basic Refresher - EMSA Certification

Course Hours: 24 hours lecture; 8 hours laboratory
Prerequisite: Current EMT Certification and CPR card level C. Required for renewal of Emergency Medical Technician I certificate. Approved by the Department of Public Health, Bureau of Medical Services, and Inland Counties Emergency Medical Authority. 32 hours total. May be repeated as needed (once every 2 years) for recertification through EMS Agency.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Unlimited

Credit: Degree Applicable

C-ID: None

CSU: May transfer as elective credit after institutional evaluation

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Online, Interactive Video/Audio

Anthropology

ANTH 1

3 Unit

Introduction to Cultural Anthropology

Course Hours: 54 hours lecture

This course explores how anthropologists study and compare human culture. Cultural anthropologists seek to understand the broad arc of human experience focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through family and kinship ties; what they believe about the world (belief systems); how they express themselves creatively (expressive culture); how they make distinctions among themselves such as through applying gender, racial and ethnic identity labels; how they have shaped and been shaped by social inequalities such as colonialism; and how they navigate culture change and processes of globalization that affect us all.

Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. Recommended Preparation: Eligibility for ENGL 1A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area D

IGETC: IGETC Area 4

Modality: Traditional, Online, Interactive Video/Audio

Athletics

ATHL 9

3 Unit

Women's Soccer

Course Hours: 162 hours laboratory

This intercollegiate athletic course provides an opportunity for inter-conference, invitational, sectional and/or state competition. Advanced techniques and strategies of the individual sport and the development of mental muscular and cardiovascular wellness will be stressed. Field trips will be required.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Repeatable four semesters

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area E

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Interactive Video/Audio

Biology

BIOL 20A

5 Unit

Biology for STEM Majors-1

Course Hours: 54 hours lecture; 108 hours laboratory
This is the first semester of a one-year survey of biology. It includes a survey of the general principles of cell, molecular and evolutionary biology. Emphasis is on the following topics: chemistry of life, cellular organization, biological membranes, energetics, genetics, evolution and diversity of prokaryotes, Protista, and fungi. Laboratory exercises emphasize the application of these topics, especially to biotechnology. This course along with BIOL 20B is the recommended sequence for STEM majors. It is recommended that students contact the anticipated transfer institution to ascertain specific transfer requirements. Prerequisite: MATH 3 and CHEM 2A. Recommended Preparation: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: BIOL 190

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Online, Interactive Video/Audio

Business Administration

BADM 5

3 Unit

Introduction to Business

Course Hours: 54 hours lecture

This course is a survey of functions, objectives, organization, and structure of business within the American free enterprise system from a local and global perspective. It is designed to illustrate how business influences impact the primary areas of business such as organizational structure, leadership, human resource management and therefore affect a business' ability to reach its organizational goals and objectives. Recommended Preparation: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area D

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Online, Interactive Video/Audio

Chemistry

CHEM 10

4 Unit

Survey of Chemistry and Physics

Course Hours: 54 hours lecture; 54 hours laboratory
This is a one semester, inquiry-based physical science course suitable for satisfying the general education requirements of non-science majors and especially of students who aspire to become elementary school teachers. Students construct a meaningful understanding of physics and chemistry concepts through lecture and laboratory activities. The course covers: matter, physical and chemical properties, energy, motion, light, atomic structure, bonding, solutions and chemical reactions. The inter-dependence of chemistry and physics, their applications in everyday life, and the power and limitations of scientific inquiry will be emphasized. A field trip may be required. Prerequisite: MATH 50.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Online, Interactive Video/Audio

CHEM 2A

5 Unit

General Chemistry I

Course Hours: 54 hours lecture; 108 hours laboratory

This is the first semester of a two-semester General Chemistry course sequence. Laboratory work is included. Topics include the structure of atoms and molecules, stoichiometry, types of chemical bonding and chemical reactions, gas laws, molecular structure, acid-base chemistry, and thermodynamics. Laboratory focuses on collection and interpretation of data, and includes spectroscopy. This sequence is required for science, engineering, and pre-dental and pre-medical majors. Prerequisite: MATH 55 or higher.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: CHEM 110

CSU: CSU GE Area B1, CSU GE Area B3

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Interactive Video/Audio

CHEM 2B

General Chemistry II

Course Hours: 54 hours lecture; 108 hours laboratory
This course represents the second semester of a two-semester General Chemistry course sequence intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, pre-medicine), mathematics, and engineering. Topics to be covered include thermodynamics, chemical equilibrium, chemical kinetics, electrochemistry, and chemical applications. Prerequisite: CHEM 2A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Online, Interactive Video/Audio

5 Unit

Child Development

CHLD 14

3 Unit

Child Health, Safety, and Nutrition

Course Hours: 54 hours lecture

Introduction to the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety, and nutrition. The key components that ensure physical health, mental health, and safety will be identified along with the importance of collaboration with families and health professionals.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: ECE 220

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Online, Interactive Video/Audio

CHEM 3A

Organic Chemistry I

Course Hours: 54 hours lecture; 54 hours laboratory
This course emphasizes molecular structure, chemical and physical properties, and the preparation and reactivities of organic molecules with an emphasis on reaction mechanisms, synthesis, structure determination, and applications. Undergraduates through laboratory work, will gain understanding and identification of organic compounds discussed in the lecture portion of this course. Prerequisite: CHEM 2A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: CHEM 150

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Online, Interactive Video/Audio

4 Unit

Computer and Information Science

CSIS 29D

3 Unit

Web Development: JavaScript

Course Hours: 36 hours lecture; 54 hours laboratory
JavaScript is a programming language that web developers use to create Dynamic Webpages. When incorporating JavaScript into HTML documents, web page contents become dynamic and interactive. Topics include: integrating JavaScript and HTML; creating pop-up windows; adding scrolling messages; validating forms; enhancing the use of images and form objects; working with cookies, arrays, and frames; and developing online dynamic content and client-side Web applications.

Grading: Audit, Normal, Pass/No Pass

Repeatability:

Credit: Degree Applicable

C-ID: None

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Online, Interactive Video/Audio

4 Unit

CHEM 3B

Organic Chemistry II

Course Hours: 54 hours lecture; 54 hours laboratory
This course emphasizes the study of functional groups such as carboxylic acids and their derivatives, other carbonyl-containing compounds, amines, and aromatics. Undergraduates will learn reaction mechanisms, synthesis, and structure determination using nuclear magnetic resonance and infrared spectroscopy. Laboratory experience involves multi-step synthetic routes, chromatography, and applications of basic techniques. Prerequisite: CHEM 3A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Online, Interactive Video/Audio

Economics

ECON 1

3 Unit

Macroeconomics

Course Hours: 54 hours lecture

An introductory course focusing on aggregate economic analysis. Topics include: market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and financial institutions, monetary and fiscal policy, international economics, and economic growth. Prerequisite: MATH 50 or MATH 55. Recommended Preparation: MATH 55.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area D

IGETC: IGETC Area 4

Modality: Traditional, Online, Interactive Video/Audio

ECON 2

3 Unit

Microeconomics

Course Hours: 54 hours lecture

An introductory course focusing on choices of individual economic decision-makers. Topics include scarcity, specialization and trade, market equilibrium, elasticity, production and cost theory, market structures, factor markets, and market failure: pure monopoly, monopolistic competition, oligopoly, wage determination, and pricing of resources. Prerequisite: MATH 50 or MATH 55. Recommended Preparation: MATH 55.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area D

IGETC: IGETC Area 4

Modality: Traditional, Online, Interactive Video/Audio

Education

EDUC 1

3 Unit

Introduction to Teaching and Learning in K-12 Education

Course Hours: 54 hours lecture

This course introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools, transitional-kindergarten through grade 12. Topics will include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, California's content standards and frameworks, and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured fieldwork in public school elementary classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus-approved certificated classroom teacher. Note: A clear criminal background fingerprint check (Live Scan) and a clear tuberculosis (TB) test are required prior to participation in the observation segment of this class. A misdemeanor and/or felony conviction (including DUI) may result in a student's inability to be assigned to a school for observation experiences. Recommended Preparation: ENGL 1A. There will be a materials fee of \$35 for the Live Scan and \$20 for the TB test/clearance.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Online, Interactive Video/Audio

English

ENGL 12

3 Unit

Survey of American Literature to 1865

Course Hours: 54 hours lecture

English 12 offers a survey of significant American prose, poetry, and fiction from the late 1400's to 1865. It focuses on the analysis and discussion of the cultural, multicultural, intellectual and artistic trends embodied within the literature and its era. Prerequisite: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: ENGL 130

CSU: CSU GE Area C2

IGETC: IGETC Area 3-B

Modality: Traditional, Online, Interactive Video/Audio

ENGL 12B**3 Unit****Survey of American Literature II 1865-Present****Course Hours:** 54 hours lecture

This course is a survey of significant American prose, poetry, and fiction from 1865-present. The course will include substantial reading as well as analysis and discussion of the cultural, multicultural, intellectual and artistic trends embodied within the literature and its era. Prerequisite: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 135**CSU:** CSU GE Area C2**IGETC:** May transfer as elective credit after institutional evaluation**Modality:** Traditional, Online, Interactive Video/Audio**ENGL 4****3 Unit****Introduction to Shakespeare****Course Hours:** 54 hours lecture

This course focuses on reading, analysis, and discussion of representative Shakespearean comedies, histories, tragedies and poems. Prerequisite: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area C2**IGETC:** IGETC Area 3-B**Modality:** Traditional, Online, Interactive Video/Audio**ENGL 13A****3 Unit****African American Literature****Course Hours:** 54 hours lecture

This course is an introductory survey of oral and written literature by African-Americans with an emphasis on the social, cultural, and political texts created by African-American writers through eras such as the Colonial, Antebellum, Postbellum, Reconstruction, Harlem Renaissance, and Civil Rights to the present. Prerequisite: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Non-transferable**IGETC:** IGETC Area 3-B**Modality:** Traditional, Online, Interactive Video/Audio**ENGL 5****3 Unit****Introduction to Children's Literature****Course Hours:** 54 hours lecture

This course introduces representative works of children's literature and develops students' close reading and analytical writing skills while promoting an appreciation for the aesthetic qualities of literature written for children.

Prerequisite: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 180 (ENGL-LIT 145)**CSU:** CSU GE Area C2**IGETC:** IGETC Area 3-B**Modality:** Traditional, Online, Interactive Video/Audio**ENGL 1A****4 Unit****English Composition and Reading****Course Hours:** 72 hours lecture

English composition and reading offers instruction in expository and argumentative writing, appropriate and effective use of language, close reading, cogent thinking, research strategies, information literacy, and documentation. Prerequisite: ENGL 50X (or proper placement based on AB705 mandates).

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area A2**IGETC:** IGETC Area 1A**Modality:** Traditional, Online, Interactive Video/Audio**ENGL 50X****3 Unit****Intensive Writing Preparation for College****Course Hours:** 54 hours lecture

As accelerated preparation for English Composition (ENGL 1A) this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate degree courses. Students will read 200 pages of college-level texts and write a minimum of 5,000 words. Classroom instruction integrates Writing and Reading activities. This course is an alternative pathway to reach ENGL 1A.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Non-transferable**IGETC:** May transfer as elective credit after institutional evaluation**Modality:** Traditional, Online, Interactive Video/Audio

ENGL 6**3 Unit****Bible as Literature (formerly also offered as RLGS 5)****Course Hours:** 54 hours lecture

This class is an introduction to the literature of the Bible, including the Apocrypha. This class includes a study of the literary and human dimension of scripture through selected readings in English from the various books of the Old and New Testaments and Apocrypha. Recommended Preparation: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area C2**IGETC:** IGETC Area 3-B**Modality:** Traditional, Online, Interactive Video/Audio

English as a Second Language

ESL 107**3 Unit****Pronunciation of American English****Course Hours:** 54 hours lecture

This course provides intensive instruction in the oral production of American English, designed for intermediate and advanced ESL students. Course emphasis is on speaking and pronunciation skills to improve fluency and clarity of the sounds common to standard American English. Topics include sound systems of consonants and vowels, pitch and intonation patterns, rhythm and phrasing, homophones, and sound reductions. Prerequisite: ESL 192.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Non-transferable**IGETC:** May transfer as elective credit after institutional evaluation**Modality:** Traditional, Interactive Video/Audio**ESL 157****0 Unit****Pronunciation of American English****Course Hours:** 54 hours lecture

This course provides intensive instruction in the oral production of American English, designed for intermediate and advanced ESL students. Course emphasis is on speaking and pronunciation skills to improve fluency and clarity of the sounds common to standard American English. Topics include sound systems of consonants and vowels, pitch and intonation patterns, rhythm and phrasing, homophones, and sound reductions. This is a non-credit course mirroring ESL 107 (credit). Prerequisite: ESL 192.

Grading: Audit, Non Credit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Non-transferable**IGETC:** May transfer as elective credit after institutional evaluation**Modality:** Traditional, Interactive Video/Audio

Ethnic Studies

ETHN 1**3 Unit****Introduction to Ethnic Studies****Course Hours:** 54 hours lecture

This course provides a multidisciplinary introduction to and analysis of ethnic groups in the United States. Students will apply various theories and perspectives so as to develop a comprehension of the effects of institutional racism, economic and environmental marginalization, and socioeconomic and political discrimination on American ethnic and racial groups.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area D**IGETC:** IGETC Area 4**Modality:** Traditional, Online, Interactive Video/Audio

History

HIST 2A

3 Unit

Survey of US History I: The Colonial Period through Reconstruction

Course Hours: 54 hours lecture

Students examine the development of the United States from the European colonization of North America and the United States through the Reconstruction Period. This course includes an in-depth study of the U.S. Constitution. There is a focus on major historical personages and important historical problems.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area D

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Online, Interactive Video/Audio

Humanities

HUMA 3

3 Unit

Renaissance to Modern

Course Hours: 54 hours lecture

An interdisciplinary study of the movements in art, music, literature, and philosophy from 1500s Western Civilization to the modern era within a cultural and historical perspective. Special attention is paid to the history of arts, religion, and philosophy. Recommended Preparation: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area C2

IGETC: IGETC Area 3-B

Modality: Traditional, Online, Interactive Video/Audio

Kinesiology

KINA 150

0 Unit

Fitness and Wellness Lab

Course Hours: 54-108 hours laboratory

This course is a physical fitness course that is designed for cardiorespiratory, strength and flexibility exercises within a prescribed fitness program. This course is available to students/faculty/staff of Barstow Community College.

Grading: Audit, Non Credit

Repeatability: Unlimited

Credit: Noncredit

C-ID: None

CSU: Non-transferable

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Interactive Video/Audio

KINA 7A

1 Unit

Tai Ji Quan (formerly PEAC 20)

Course Hours: 54 hours laboratory

The focus will be on the practice of Tai Ji Quan (Tai Chi), a Chinese traditional exercise for the body and mind, which tones muscles, improves flexibility and reduces stress. Students will gain an understanding in how Tai Ji Quan, as a slow, rhythmic movement with meditation has been recognized by medical experts worldwide as an effective way to achieve relaxation, decrease high blood pressure, promote cardiovascular fitness and slow aging process.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Interactive Video/Audio

KINA 8A

1 Unit

Breathing, Meditation, Relaxation (formerly PEAC 21)

Course Hours: 54 hours laboratory

This course is designed for male and female students. The focus will be on the theory, practice, physical and physiological relation, and other benefits of breathing meditation through the exercise of Qi Gong.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Interactive Video/Audio

Mathematics

MATH 2

4 Unit

Introduction to Statistics

Course Hours: 54 hours lecture; 54 hours laboratory

This course is an introduction of basic statistical concepts and techniques, which includes descriptive and inferential statistics, construction of statistical tables, display data with statistical graphs, t-tests and chi-squares. Topics will include correlation and regression, probability, statistical distributions, central limit theory, testing hypotheses & confidence interval of a single population for a population mean, population proportion, and standard deviation. Students will also learn about inference about two population proportions and means, tests for independence and the homogeneity of proportions, and ANOVA. Applications using data from a broad range of disciplines. Prerequisite: MATH 55 (or appropriate placement based on AB705 mandate).

Grading: Audit, Normal

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area B4

IGETC: IGETC Area 2

Modality: Traditional, Online, Interactive Video/Audio

MATH 3

3 Unit

College Algebra

Course Hours: 54 hours lecture

The topics to be covered include review of the fundamentals of algebra, relations, functions, solutions of first and second degree equations and inequalities, systems of linear equations, matrices, permutations, combinations, binomial theorem, mathematical induction, polynomial and rational functions, exponential and logarithmic functions, analytic geometry and conic sections, geometric and arithmetic sequences, series, and probability. Prerequisite: Completion of MATH 55 or appropriate placement based on AB705 mandates.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area B4

IGETC: IGETC Area 2

Modality: Traditional, Online, Interactive Video/Audio

MATH 5

3 Unit

College Math: For Liberal Arts Majors

Course Hours: 54 hours lecture

This course is designed for liberal arts students and uses the concepts learned in algebra. It is a survey course of college mathematics with emphasis placed on the nature of mathematics, problem solving, and thinking patterns. Using and expanding upon the skills gained from algebra, this course offers the student an applications-oriented, problem-solving exploration into a variety of mathematical fields including portions of courses offered in sets and logic, algebraic expressions and inequalities, fundamental counting principles and probability, quantitative reasoning and statistics, and geometry. An important aspect of this course is to help students appreciate the value of mathematics in everyday life. Prerequisite: MATH 55 (or appropriate placement based on AB705 mandates).

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area B4

IGETC: IGETC Area 2

Modality: Traditional, Online, Interactive Video/Audio

MATH 6

3 Unit

Mathematical Concepts for Elementary Teachers

Course Hours: 54 hours lecture

This course covers the real number system, numeration system, elementary number theory, geometry, and problem solving. Technology and hands-on experiences are integrated in this course. It is designed to fulfill the lower division mathematics requirement for students who are planning to enter a multiple subject teaching credential programs. Prerequisite: MATH 55 or appropriate placement based on AB 705 mandates.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area B4

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Online, Interactive Video/Audio

Philosophy

PHIL 1

3 Unit

Introduction to Philosophy

Course Hours: 54 hours lecture

This course is a survey of Western analytic philosophy: metaphysics and epistemology, ethics, philosophy of mind, philosophy of language, philosophy of religion, and philosophy of science. Students focus on primary texts to explore such concepts as knowledge of the world; moral behavior and the nature of morality; the relationship between minds and bodies; arguments for and against the existence of God; and how to employ logical analysis and empirical observations to evaluate arguments. Recommended Preparation: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: PHIL 100

CSU: CSU GE Area C2

IGETC: IGETC Area 3-B

Modality: Traditional, Online, Interactive Video/Audio

PHIL 8

3 Unit

Modern Philosophy

Course Hours: 54 hours lecture

This course addresses 17th and 18th century philosophy with an emphasis on metaphysical, epistemological, political, and psychological developments of rationalism and empiricism in philosophical thought. This course covers thinkers from Descartes to Kant and may include approximate precursors and successors. Recommended Preparation: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: PHIL 140

CSU: CSU GE Area C2

IGETC: IGETC Area 3-B, IGETC Area 3-C

Modality: Traditional, Online, Interactive Video/Audio

Physical Science

PHSC 2

4 Unit

Introduction to the Earth Science

Course Hours: 54 hours lecture; 54 hours laboratory

This is an inquiry-based Earth Science course that fulfills general education requirements, especially for students aspiring to become elementary school teachers. Students will develop a meaningful understanding of the geosphere, atmosphere, hydrosphere and solar system through lecture and laboratory activities. An earth-system approach will be emphasized to explain natural phenomenon that impact human societies. Focusing on the interactions between physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, hydrologic cycle, weather and climate, the course will cover the breadth and depth of Earth Science topics covered in the Next Generation Science Standards (NGSS). Included with the class is a required field trip to acquaint the student with field examples of topics covered in the class.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: GEOL 120, GEOL 121

CSU: CSU GE Area B1

IGETC: IGETC Area 5A-Phys Sci

Modality: Traditional, Online, Interactive Video/Audio

Physics

PHYS 2A

5 Unit

General Physics I: Mechanics of Solids and Fluids

Course Hours: 72 hours lecture; 54 hours laboratory

This course is the first course of a calculus-based sequence for majors in biology, chemistry, computer science, kinesiology, mathematics, engineering, astronomy and certain other fields. This course covers statics and dynamics of particles and rigid bodies, Newton's Laws of Motion, conservation principles, rotational motion, simple harmonic motion, wave motion and sound, and introduction to hydrostatics and hydrodynamics. Corequisite: MATH 4A

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: PHYS 205

CSU: Transferable as elective credit only

IGETC: Transferable as elective credit only

Modality: Traditional, Interactive Video/Audio

Sociology

SOCI 12

3 Unit

Research in Social Sciences

Course Hours: 54 hours lecture

This course surveys various research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation and reporting of research data. Research design and methodology will be illustrated through a selected review of peer-reviewed scholarly journal articles in a variety of subfields in psychology/sociology. Recommended Preparation: Eligibility for ENGL 1A. Prerequisite: SOCI 1 and MATH 2.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: SOCI 120

CSU: CSU GE Area D

IGETC: IGETC Area 4

Modality: Traditional, Online, Interactive Video/Audio

Spanish

SPAN 1B

4 Unit

Beginning Spanish II

Course Hours: 72 hours lecture

This course is a continuation of Spanish 1A and builds upon language acquisition in a cultural context through listening, speaking, reading and writing at the second semester level. Students will continue to interact with authentic language in a cultural context. Prerequisite: SPAN 1A.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area C2

IGETC: IGETC Language other than Engl

Modality: Traditional, Interactive Video/Audio

Student Development

SDEV 5

3 Unit

Career and Life Planning

Course Hours: 54 hours lecture

This course guides students through a decision-making process that will help them envision and plan for a future that is productive, achievable, and stimulating. The culmination of this process is the development of a career and educational plan that will create a pathway for students to reach their career and academic goals. Critical thinking skills will be utilized through a systematic approach to career development by examining values, interests, skills, life roles, personality types, personal self-management, decision-making and goal-setting throughout the life span.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: CSU GE Area E

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Online, Interactive Video/Audio

Welding

WELD 50

3 Unit

Oxyacetylene Welding and Cutting

Course Hours: 36 hours lecture; 54 hours laboratory

This course will cover the materials, equipment, and safety practices utilized in oxyacetylene welding and cutting.

Grading: Audit, Normal, Pass/No Pass

Repeatability: Course not repeatable

Credit: Degree Applicable

C-ID: None

CSU: May transfer as elective credit after institutional evaluation

IGETC: May transfer as elective credit after institutional evaluation

Modality: Traditional, Online, Interactive Video/Audio

WELD 50A**3 Unit****Oxyacetylene Welding/Soldering and Brazing****Course Hours:** 36 hours lecture; 54 hours laboratory

This course will cover the materials, equipment, and safety practices utilized in oxyacetylene welding and cutting along with soldering and brazing. Recommended Preparation: ENGL 1A.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Non-transferable**IGETC:** May transfer as elective credit after institutional evaluation**Modality:** Traditional, Online, Interactive Video/Audio**WELD 57A****3 Unit****Beginning Welding, Fabrication and Projects Using Ferrous Metals (formerly WELD 57)****Course Hours:** 36 hours lecture; 54 hours laboratory

This course is designed for the accomplished welding student to gain welding fabrication and repair welding principles and skills. Also, it introduces the construction of complex and useful projects using ferrous metals. Prerequisite: WELD 50A, WELD 51, WELD 52, WELD 53, WELD 54, WELD 55 and WELD 56.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** May transfer as elective credit after institutional evaluation**IGETC:** May transfer as elective credit after institutional evaluation**Modality:** Traditional, Online, Interactive Video/Audio**WELD 55A****3 Unit****Gas Tungsten Arc - Ferrous****Course Hours:** 36 hours lecture; 54 hours laboratory

This course will cover special welding processes and applications with the use of gas tungsten arc welding on ferrous metals and position welding. Prerequisite: WELD 52.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Non-transferable**IGETC:** May transfer as elective credit after institutional evaluation**Modality:** Traditional, Online, Interactive Video/Audio**WELD 55B****3 Unit****Gas Tungsten Arc - Non-Ferrous****Course Hours:** 36 hours lecture; 54 hours laboratory

This course will cover special welding processes and applications with the use of gas tungsten arc welding on non-ferrous metals and position welding. Prerequisite: WELD 52.

Grading: Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Non-transferable**IGETC:** May transfer as elective credit after institutional evaluation**Modality:** Traditional, Online, Interactive Video/Audio