



# ***BARSTOW COMMUNITY COLLEGE***

***2025-2026 COURSE CATALOG***

***LEVEL UP AND UNLOCK  
NEW OPPORTUNITIES***

# TABLE OF CONTENTS

<b>ACADEMIC CALENDAR</b>	1
Locations	1
<b>PRESIDENT'S WELCOME/BOARD OF TRUSTEES</b>	2
<b>GENERAL INFORMATION</b>	3
Accreditation	3
Open Enrollment	3
Non-Discrimination Policy	3
Academic Freedom	3
Academic Accommodation and Information Technology for Students with Disabilities	4
BCC Vision, Mission, Values & General Education Philosophy	5
2025-2030 Strategic Plan for Transformational Improvement	6
History and Description of BCC	7
<b>ADMISSIONS &amp; ENROLLMENT INFORMATION</b>	9
Admissions	9
Residency Requirements	9
Steps to Become a Student	14
Special Admission of Minor Students	14
International Students	14
Priority Registration	16
Adding Courses	17
Waitlist Policy	17
<b>FEES &amp; TUITION</b>	17
Enrollment Fee	18
Non-Resident Tuition	18
Supplemental Fees	18
Refund Policy	19
Outstanding Financial Obligations	19
<b>SERVICES</b>	20
Counseling & Student Success Services	20
Financial Aid & Scholarships	21
Special Programs	26
Support Services	27
Learning Support Services	32
<b>ACADEMIC POLICIES</b>	33
Academic Standing	33
Course Repetition	34
Honors	35
Drops & Withdrawals	36
Attendance	36
Grades	37

Prerequisites, Corequisites and Recommended Preparation	40
<b>COLLEGE POLICIES, RULES &amp; REGULATIONS</b>	40
Student Right-to-Know Disclosure	40
Crime Awareness	41
Books & Materials	41
Computer Use	41
Student Conduct	42
Drug & Alcohol Policy	44
Prohibition of Harassment	44
Title IX Policy	45
Sexual Violence	45
Student Grievances	45
Student Records & Privacy Rights	45
<b>ACADEMICS</b>	47
Transfer of Credit	47
Credit for Foreign Schools	47
Credit for Prior Learning	48
Credit for Test Equivalencies	48
Educational Options	54
Catalog Rights	54
Graduation	55
Multiple Degrees	55
Degree/Certificate Requirements	56
California General Education Transfer Curriculum (Cal-GETC)	58
Barstow Community College General Education Requirements	59
<b>PROGRAMS OF STUDY</b>	60
<b>COURSE INFORMATION</b>	138
<b>APPENDICES</b>	
Appendix A: Administration	214
Appendix B: Full-Time Faculty	215
Appendix C: Staff	217

# 2025-2026 ACADEMIC CALENDAR

Dates listed below, which are directly related to instruction, refer to the traditional academic year. Some courses may be offered over time periods for which these dates are not applicable.

## Fall Semester 2025

<b>Monday, August 4</b>	Classes Begin
<b>Monday, September 1</b>	Observance of Labor Day
<b>Thursday – Thursday, Sept 26 – Oct 3</b>	1 <sup>st</sup> Nine-Week Final Exams (Online Classes)
<b>Monday – Sunday, October 6 – 12</b>	Fall Break
<b>Monday, November 10</b>	Observance of Veterans Day
<b>Thursday &amp; Friday, November 27 – 28</b>	Thanksgiving Holiday (Campus Closed)
<b>Thursday – Thursday, December 5 – 12</b>	2 <sup>nd</sup> Nine-Week Final Exams (Online Classes)
<b>Saturday – Friday, December 6 – 12</b>	Final Exams
<b>Friday, December 13</b>	Last Day Fall Semester
<b>December 24 – January 1</b>	Winter Recess (Campus Closed)

## Spring Semester 2026

<b>Monday, January 12</b>	Classes Begin
<b>Monday, January 19</b>	Observance of Martin Luther King Jr Day
<b>Friday &amp; Monday, February 13 &amp; 16</b>	Observance of President's Day Weekend
<b>Thursday – Thursday, Feb 27 - March 6</b>	1 <sup>st</sup> Nine-Week Term Final Exams (Online Classes)
<b>Monday – Sunday, March 16 – 22</b>	Spring Break
<b>Friday, March 20</b>	Spring Break Holiday (Campus Closed)
<b>Thursday – Thursday, May 1 – 8</b>	2 <sup>nd</sup> Nine-Week Term Final Exams (Online Classes)
<b>Saturday – Friday, May 16 – 22</b>	Final Exams
<b>Friday, May 22</b>	Commencement
<b>Monday, May 25</b>	Observance of Memorial Day

## Summer 2026

<b>Monday, June 1</b>	Classes Begin
<b>Thursday &amp; Friday, June 18 &amp; 19</b>	Observance of Juneteenth
<b>Thursday &amp; Friday, July 2 &amp; 3</b>	Observance of Independence Day
<b>Wednesday – Wednesday, July 16 – 23</b>	Final Exams (Online Classes)
<b>Thursday, July 24</b>	Last Day Summer Term

## Locations

### Barstow Campus

2700 Barstow Road  
Barstow, CA 92311  
760-252-2411

[www.barstow.edu](http://www.barstow.edu)

### National Training Center – Fort Irwin

Building 285, Barstow Road  
Fort Irwin, CA 92310  
760-252-7601

*Disclaimer:* The Barstow Community College catalog is an annual publication with an effective date of the first day of the Fall Semester. The catalog contains academic calendars, programs, policies, tuition and fees, admissions requirements, and graduation requirements. Barstow Community College has tried to produce the most accurate catalog information available; however, approval of courses, programs and transfer occur asynchronously to the annual schedule. Changes in legislation or mandated reporting often affect the services or academic offerings and are updated as needed. Readers should be aware that there might be changes made in any print version of the catalog regarding policies and regulations, coursework and programs that may change information in this publication. Barstow Community College reserves the right to modify its programs, tuition and fees, admission and graduation requirements, schedules, and other policies, procedures, and regulations stated in this catalog without notice. Updated versions are posted on the college website and available in the appropriate administrative offices. Catalog addenda can be found on the [Catalog web page](#).



On behalf of our dedicated Board of Trustees, faculty, staff, and administrators, it is my pleasure to welcome you to Barstow Community College (BCC) where we are committed to helping you achieve your academic and career goals.

We are excited that you have decided to start your journey at BCC. Whether you are seeking job advancement by taking one class, certification in a particular career technical education field, improving your English language skills, or completing of a degree with the goal of transferring to a 4-year college or university, we are here for you.

BCC has redesigned the student experience to make things easier for you to choose a career, identify which classes to take, and find the best path forward—all with an abundance of resources and wrap-around support. Our six pathways or areas of interest have been created just for you: Business and Entrepreneurship; Trades and Applied Technology; Public Service and Education; Social and Behavioral Sciences; Arts, Communication, and Humanities; and Science, Technology, Engineering, and Math. We look forward to assisting you all along the way.

The most recent addition to the main campus is the CTE Complex, which opened in the Spring of 2023, and includes two lecture classrooms, an open lab for our Industrial Maintenance and Electrical trades programs, an Automotive and Diesel Technology building with four rollup bay doors, and an administrative building with offices. As Barstow prepares for economic growth, our college is working hard to both attract new employers and prepare workers with the training needed to make them competitive in getting jobs and advancing in their careers.

We have upgraded our science labs, including new *Anatome* tables, the most technologically advanced 3D anatomy visualization and virtual dissection tool for anatomy and physiology education adopted by many of the world's leading medical schools and institutions. At BCC, students now have access to high-tech combined with excellent instruction where professors care that all students learn and achieve their educational and career goals.

While the catalog provides essential information about classes and enrollment, it does not replace the impact that guidance from a counselor can have on your success as a student. Counselors are available for in-person appointments at both our Barstow and Fort Irwin campuses as well as via Zoom, chat, and phone. Before and after the semester begins, I encourage you to make an appointment with a counselor to develop a personalized Student Education Plan.

In addition to the personalized support you will receive from our dedicated and knowledgeable counselors, we have added staff to our Basic Needs Center which includes a food pantry that provides a variety of fresh, frozen, and non-perishable food items daily. Students can also receive breakfast and lunch items daily, as well as non-perishable pantry items once per week at the Center.

Barstow Community College is dedicated to the well-being and success of every student. We continue to expand support at The Mindful Space, a safe place where students can receive mental health services from a mental health counselor, who is a Licensed Marriage and Family Therapist. Services are tailored to meet the needs of each individual and are provided free to students at both our Barstow and Fort Irwin campuses.

Thank you for selecting Barstow Community College. We are here to help you succeed!

At BCC, your success is our priority. It is the driving force behind everything we do. Our entire staff is committed to working with you to help make your time here as enjoyable and productive as possible.

Superintendent-President

Dr. Eva Bagg



**Superintendent-President**

Dr. Eva Bagg

**Board of Trustees President**

Julie Hackbarth-McIntyre

**Board of Trustees Members** John Gregg

Yolanda Minor

Paul Wilkey

Sonia Compton-Reay

# GENERAL INFORMATION

## **Accreditation**

Barstow Community College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of Schools and Colleges (WASC). ACCJC, 10 Commercial Boulevard, Suite 204, Novato, CA 94949; Phone: 415- 506-0234, is an institutional accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and the U.S. Department of Education.

## **Alternate Catalog Versions**

The material in this catalog is available in alternate formats. To access copies of alternative formats, contact Special Programs and Services at 760-252-2411 ext. 7225.

## **Open Enrollment**

The policy of Barstow Community College District is that, unless specifically exempted by statute, every course, course section, or class that is reported for state apportionment, wherever offered and maintained by the District, shall be fully open to enrollment and participation by any person who has been admitted to the College and who meets such prerequisites as may be established pursuant to Title 5 of the California Code of Regulations, commencing with Section 55003.

## **Non-Discrimination Policy**

The District is committed to equal opportunity in educational programs, employment and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to age, race, religion, creed, color, national origin, ancestry, disability, gender, marital status, or sexual orientation. Students can present complaints regarding alleged violations of this policy to Human Resources at 760-252-2411 ext. 7277.

## **Nondiscrimination Statement**

Barstow Community College District is committed to equal opportunity in educational programs, employment, and all access to institutional programs and activities.

The District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, immigration status, religion, age, gender, gender identity, gender expression, race, ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status or because they are perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

No Barstow Community College District funds shall ever be used for membership, or for any participation involving financial payment or contribution on behalf of the District or any individual employed by or associated with it, to any private organization whose membership practices are discriminatory on the basis of national origin, immigration status, religion, age, gender, gender identity, gender expression, race, ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or military and veteran status or because they are perceived to have one or more of the foregoing characteristics, or because of their association with a person or group with one or more of these actual or perceived characteristics.

The following persons are designated by Barstow Community College as the Title IX Coordinator and Section 504 Coordinator for receiving and coordinating the investigation of all unlawful discrimination complaints filed pursuant to section 59328 of Title 5 of the California Code of Regulations, and for coordinating compliance with Section 504 of the Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act of 1990, Title IX of the Education Amendments of 1992, and response to discrimination complaints related thereto:

Title IX Coordinator  
Dr. Oscar Espinoza-Parra  
Vice President of Student Services  
2700 Barstow Road, C41A  
Barstow, CA 92311  
760-252-2411 ext. 7353  
[vpss@barstow.edu](mailto:vpss@barstow.edu)

Section 504 Coordinator  
Clementina Macias  
Dean of Counseling and Student Success  
2700 Barstow Road, C48A  
Barstow, CA 92311  
760-252-7322  
[cmacias@barstow.edu](mailto:cmacias@barstow.edu)

Inquiries regarding federal laws and regulations concerning nondiscrimination in education or the college's compliance with those provisions may be directed to:

Office for Civil Rights, Region IX  
U.S. Department of Education  
50 Beale Street, Suite 7200  
San Francisco, CA 94105  
or [ocr.sanfrancisco@ed.gov](mailto:ocr.sanfrancisco@ed.gov)

### **Academic Freedom**

Academic freedom is essential to the mission of higher education, which is to allow and promote free inquiry into the environment of human endeavor. The faculty and administration of Barstow Community College jointly accept the responsibility for maintaining an atmosphere in which scholars may freely teach, conduct research, publish, and engage in other scholarly activities. This responsibility includes maintaining the freedom for the examination of controversial issues throughout the college, including classroom discussion when such issues are germane to the subject matter of the course. The college does not attempt to control the personal opinion, nor the public expression of that opinion, of any member of the faculty or staff of the institution. The faculty and administration of Barstow Community College feel a responsibility to protect the right of each employee to express his/her/their personal opinion, but in doing so, employees have an obligation to avoid any action which purports to commit the institution to a position on any issue without appropriate approval.

### **Academic Accommodation and Information Technology for Students with Disabilities**

Printed BCC materials are available in alternate media upon request. To request publications in alternate formats for disability accommodation, please email [access@barstow.edu](mailto:access@barstow.edu) or by phone at 760-252-2411 ext. 7225.

BCC complies with State and Federal law with regard to modifying academic policies and procedures and information technology as needed to ensure that they do not discriminate, or have the effect of discriminating, on the basis of a disability, against qualified applicants or students with a disability. For details, contact the Accessibility Coordination Center and Educational Support Services (ACCESS) located in the K Building. The procedure for seeking an academic adjustment (such as testing accommodation, alternate text format, etc.) is for the student to complete an application packet, provide appropriate medical documentation, and see the ACCESS counselor. Students requesting accommodation must provide their instructor with their Academic Accommodation Plan (AAP). The counselor also provides a copy of the Academic Accommodation Form to the instructors. It is the student's responsibility to discuss his/her/their accommodation with the instructor. The AAP form can be processed in ACCESS. For additional information please contact ACCESS by phone at 760-252-2411 ext. 7255 or email at [access@barstow.edu](mailto:access@barstow.edu).

# BCC Vision, Mission, Values & General Education Philosophy

## **Vision**

Barstow Community College will be a hub of innovation and educational excellence, fostering a culture of growth, partnership, and inclusion as the premier college of the California High Desert.

## **Mission**

Barstow Community College is committed to providing an equitable, accessible, and affordable education to its diverse student body, including local, military, distance education, and historically marginalized student populations. Through a variety of high-quality and comprehensive degree, certificate, and job skills training programs, we provide holistic student support with clear and diverse educational pathways that provide students with life-long learning and networking opportunities, critical thinking skills, and success in a globalized world.

## **Values – We are VIKINGS!**

**V** Vision for the Future  
**I** Innovation and Collaboration  
**K** Kindness and Integrity  
**I** Inclusivity and Equity-minded Action  
**N** Nurturing Community  
**G** Growth and Improvement  
**S** Superior Service and Support

## **General Education Philosophy**

Barstow Community College provides a general education for its students. The District seeks to develop the whole person where the individual is greater than the sum of his/her/their independent educational experiences, a person who will understand the world within and the world without. Barstow Community College's general education philosophy serves to enhance creativity, reasoning, ethical behavior, and human understanding, which are essential to the attainment of personal goals and effective participation in a rapidly changing society.

The District's general education philosophy ensures a coherent, interdisciplinary approach to the overall undergraduate curriculum. Students are provided with the breadth and intellectual challenges which stimulate discovery in a world full of different kinds of knowledge and social structures. Students are given the opportunity to develop an integrated overview of the varied components of human knowledge. The college's general education philosophy calls for student exposure to natural science, technical literacy, health and wellness, citizenship-community involvement, social and behavioral science, arts-humanities, communications-language skills, analytic reasoning, and cultural-ethnic diversity. All of these are basic and necessary to participate in and contribute to a balanced life in a democratic society.

## *Core Competencies*

- Communication Competency
- Information Competency and Technical Skills
- Critical Thinking and Analytic Inquiry
- Cultural Awareness and Civic Engagement
- Personal and Professional Development

At Barstow Community College the assessment of student learning shall involve making expectations for learning explicit and public; setting appropriate criteria and high standards for learning quality; systematically gathering, analyzing, and interpreting evidence to determine the extent to which performance relates to stated expectations and standards; and using the resulting information to document and collaboratively discuss among all college groups strategies and practices designed to improve student performance.

# 2025-2030 Strategic Plan for Transformational Improvement

## **Strategic Priority #1 – Become a dynamic community hub of innovation**

- ✓ Establish BCC as the innovation hub of the city and region.
- ✓ Increase economic and workforce development relationships to build programming and services with business, industry, education, and government.
- ✓ Implement community and college efforts advancing the success of disproportionately impacted groups.

## **Strategic Priority #2 – Implement equitable pathways to student completion**

- ✓ Increase student access, success, persistence, and completion with a focus on disproportionately impacted groups in all instructional modalities.
- ✓ Implement relevant professional development opportunities.
- ✓ Provide opportunities for student learners to earn multiple degrees and certificates, including access to 4-year degrees.

## **Strategic Priority #3 – Provide flexible high-quality programs and services**

- ✓ Ensure a seamless student experience from engagement to completion across the district/college.
- ✓ Improve technology systems and training to increase students' access to college services and programs.
- ✓ Leverage high impact equitable practices to provide services to students in all modalities.

## **Strategic Priority #4 – Ensure effective stewardship of college resources**

- ✓ Create District policies and practices utilizing principles of fiscal, environmental, physical, technological, and human resources sustainability.
- ✓ Align resources with college goals.
- ✓ Build on community, business, philanthropy, and alumni relationships to increase financial investment in the college.

## **Strategic Priority #5 – Create an engaged vibrant community**

- ✓ Increase access to campus to engage and enrich the campus and broader community.
- ✓ Create a vibrant set of experiences in all modalities.
- ✓ Build an equitable and sustainable college and community by enacting environmental, human, and economic policies and actions.

## **Educational Opportunities**

### *Curricula*

Barstow Community College offers four types of curricula for students to choose from, depending on their goals. General education curriculum offers a prescribed core of general education courses that provide opportunities for lifelong learning in various fields, including fine and applied arts, literature, foreign languages, science, and many other instructional areas.

Students desiring to transfer to a four-year college or university may take a transfer curriculum consisting of academic courses that meet college and university lower-division major requirements in liberal arts, the sciences, and a variety of pre-professional fields. After completing the transfer curriculum at BCC, students may apply to transfer to a four-year educational institution to complete their upper-division coursework.

The Career Technical Education (CTE) curriculum prepares students for immediate employment or occupational upgrading. This can be done in two years or less of full-time training at Barstow Community College. Persons who are already employed may take courses that lead to promotion or salary enhancement.



Barstow Community College provides the community with many educational, cultural, social, and recreational programs to meet individual needs and personal interests. The programs include not-for-credit classes, art and photo gallery exhibits, concerts, theatrical productions, and planetarium shows.

### *Evening Classes*

Barstow Community College offers a comprehensive selection of classes scheduled during evening hours to provide educational opportunities to students who are unable or do not wish to attend day classes. Evening classes are considered an integral part of BCC's educational program, and admission and enrollment procedures are the same for day or evening classes. All College policies — including those on admission, probation, and disqualification — apply equally to daytime or evening students.

### *Class Modalities*

Barstow Community College offers a variety of classes fully online, which may be accessed from home, office, or other locations by using a computer with a browser and Internet access. Classes offered fully online are especially convenient for students who, for a variety of reasons, are unable or prefer not to travel to the BCC campus to attend classes. Additional class modalities include hybrid, which is a combination of online-delivered coursework and mandatory meetings on campus, and hyflex, which requires students to attend classes live on campus or live synchronously online. Fully online, hybrid, and hyflex classes are considered an integral part of BCC's educational program. As such, all BCC policies — including those on admission, probation, and disqualification — apply equally to all students regardless of modality. Fully online, hybrid, and hyflex classes cover the same content, award the same credit, and are listed on student transcripts in the same way as on-campus classes; they differ from on-campus classes only in their delivery method. For details on BCC's fully online, hybrid, and hyflex classes, enrollment procedures, and technical requirements, students should go to [www.barstow.edu/online\\_students.html](http://www.barstow.edu/online_students.html) or see the Schedule of Classes. Please see the Schedule of Classes for details about specific on-campus meeting dates, times, and locations for hybrid and hyflex classes.

## **History and Description of Barstow Community College**

The Barstow Community College District (BCCD) was established in September of 1959 by the citizens of the upper High Desert region of Southern California. Afternoon and evening classes began the next year at Barstow Union High School and by the fall of 1962, enrollment had expanded, and classes were also conducted at Barstow First Methodist Church. In October of 1960, a \$3 million bond was passed, and by 1963 construction commenced on the six-building complex at the present location on Barstow Road. College offices moved onto the new campus in spring of 1964 and by fall the college established a full-time program at the new location. There followed a technical building in 1967, an administration building in 1975 and an automotive laboratory in spring of 1978. The automotive laboratory was converted into a physical fitness center in 2000 and the 28,000-square-foot, state-of-the-art Learning Resource Center (LRC) opened in the fall of 2004.

In 2005 many campus facilities underwent a Remodel for Efficiency project; a two-phase improvement project that renovated and updated the K Building, the S Building, and the Norman Smith Center. Phase I included the renovation of the K Building (the old library) into the Interim Performing Arts Center (IPAC) which created an open space used primarily by the Performing Arts Department. Due to the opening of the Performing Arts Center in October of 2014, the K Building received minor renovations and now serves the offices for Special Programs and Services, Basic Needs, and the Veterans Resource Center.

The T Building was updated to be more efficient in use as a co-laboratory by the Science Department for courses that are offered on the Barstow Campus. Phase II transformed the Norman Smith Center into the Norman Smith Student Services Center, a one-stop services center for students that include the Welcome Center, Admissions and Records, Financial Aid, Counseling Services, the Transfer Center, the Viking Game Room, the Viking Grill, and the Associated Student Government office.

In 2007 the Cosmetology Department, once located off campus, found a new home in the D Building. The building was fully renovated to meet the State of California Board Certification for Cosmetology approval and offers all the required hours to take the state licensure exam and achieve an associate degree. The D Building is also home to the Viking Bookstore.

In October of 2010 construction began for the 750-seat Performing Arts Center. The grand opening was held in February of 2015. The Wellness Center, located behind the James R. Parks Gymnasium, opened for classes in the fall of 2015. The CTE Complex opened in Spring of 2023, which includes two classrooms, an open lab for Industrial Maintenance and Electrical trades programs, an Automotive and Diesel Technology building with 4 roll up bay doors, and an administration building with offices.

### **Location**

Barstow Community College (BCC) is centrally located off Interstate 15 in the Mojave region of San Bernardino County, California, approximately 120 miles from both Los Angeles and Las Vegas. The college district encompasses a vast area from the Nevada border on the east to Kern County on the west and from Inyo County in the north to the San Bernardino Mountains. The college serves the communities of Barstow, Lenwood, Newberry Springs, Daggett, Yermo, Hinkley, Ludlow and Baker. The college also provides on-site programs to military personnel at the U.S. Army National Training Center in Fort Irwin and to distance education students through its large online program.

An open-admission, public institution, the college serves more than 4,000 students annually in degree and certificate programs with approximately 120 full-time employees and an \$18 million budget. It provides the first two years of college or university study as part of the California State Community College System of Higher Education. The college's educational program includes lower-division course work, general education offerings, transfer degrees and vocational courses for transfer to baccalaureate degree institutions. The college offers occupational programs designed to prepare students for entry into the workforce. Service learning and self-enrichment classes are also offered to the community.

### **Barstow College Foundation**

**760-252-6709**

[barstowcollegefoundation.org](http://barstowcollegefoundation.org)    **BCF@barstow.edu**

### **Administration Building**

*"Building alliances for the financial benefit of the Barstow Community College community."*

The Barstow College Foundation (BCF) is a non-profit, tax-exempt 501(c)(3) corporation established to support excellence in education at Barstow Community College. Its mission is accomplished through the support of various programs such as student scholarships, endowments, and student success programs. The Foundation is a vital link to the community and helps the college develop relationships that benefit both the college and the community. The Barstow College Foundation also services the BCC Alumni Relations Program. Viking Alumni are encouraged to continue to give back to their alma mater through volunteering and donations, when capable. Individuals, families, or businesses desiring to donate to BCF and/or alumni looking to give back, are invited to contact the Public Information Office or the Foundation. All donations are tax deductible to the extent allowed by law.

# ADMISSIONS & ENROLLMENT INFORMATION

## Eligibility for Admission

The following individuals are eligible to enroll at Barstow Community College:

- Any person who has graduated from high school or has obtained a GED or California High School Proficiency Exam (CHSPE) certificate;
- Any person 18 years of age or older who, in the judgment of the College, is capable of profiting from instruction;
- Any student currently enrolled in grades K-12 who meets the criteria for special part-time or full-time enrollment under California Education Code and Administrative Procedure 5011.

Note: Holders of B (Visitor) Visas are not eligible for admission to the College.

## Residency Requirements

To be classified as a California resident for tuition purposes, a student must meet the following three conditions, as established by California Education Code and Title 5:

1. Legal Presence: The student must have legal status in the United States that allows establishment of domicile (e.g., U.S. citizen, permanent resident, eligible visa holder).
2. Physical Presence: The student must be physically present in California for at least one year and one day prior to the start of the term (the "Residency Determination Date").
3. Intent to Remain in California: The student must provide objective evidence of intent to make California a permanent home.

Important: Moving to California solely for educational purposes does not qualify a student as a resident (EC § 68062(d)).

## Residency Provisions

- All individuals applying for admission to or enrolled in a California Community College are classified for tuition purposes as either "residents" or "nonresidents" of the State of California.
- A "resident" is a U.S. citizen or someone with a qualifying immigration status who is eligible to establish domicile in the United States. The individual must have both physical presence in California for at least one year and one day prior to the start of the term and objective evidence of intent to make California a permanent home. All documentation must reflect consistent dates aligned with the physical presence requirement.
- A "nonresident" is someone who does not meet California's residency requirements or is a citizen of a foreign country holding a temporary visa or other non-qualifying status under federal law.
- A student classified as a resident is exempt from paying nonresident tuition, though standard enrollment fees still apply.
- A student classified as a nonresident must pay nonresident tuition in addition to enrollment fees. However, certain students—such as undocumented individuals or U.S. citizens with out-of-status documentation who attended a California high school for at least three years and graduated—may qualify for a nonresident tuition exemption under AB 540.
- Nonresident students between the ages of 19 and 23 who are seeking reclassification to resident status must submit a Request for Residency Status Change, provide documentation of financial independence, demonstrate they were not claimed as a dependent on their parents' most recent income tax return, and present objective evidence of intent to establish California as their permanent residence.

## Residence of an Adult

A student who is 19 years of age or older and has lived in California continuously for the past two years is presumed to have the intent to make California their permanent residence.

A student who is under 19 years of age is presumed to have the intent to reside in California if both the student and their parent(s) or legal guardian(s) have resided continuously in California for the past two years.

A student 19 or older who has resided in California for more than one year but less than two years should be prepared to provide supporting documentation of residency and intent. Acceptable forms of documentation include, but are not limited to, the examples listed in the "Acceptable Proofs of California Residence" section.

### **Residence of a Minor**

Unmarried minors (under 18 years of age) are legally incapable of establishing their own residence, regardless of physical presence in California. Therefore, Barstow Community College Admissions and Records will determine a minor's residency status based on the following criteria:

- The residence of the minor is that of the parent or legal guardian with whom the minor currently resides.
- If the minor is not currently living with a parent or legal guardian, the residence is based on the parent or guardian with whom the minor most recently resided.

When a minor's residency is derived from a parent or legal guardian, the one-year durational requirement must be met by the parent or guardian—it is not required of the minor.

A minor whose parents are deceased and who does not have a legal guardian may establish their own residence.

### **Acceptable Proofs of California Residence**

To establish California residency for tuition purposes, students must submit a minimum of two (2) acceptable proofs of California residence. If the student is under 19 years of age, the documentation must be in the name of the parent or legal guardian.

The following requirements apply to all students, regardless of age:

- At least one document must be from the "Primary Documents" list below.
- All documents must be dated at least one year and one day prior to the start of the term for which residency is being sought.
- Documentation should be recent enough to demonstrate continuous presence in California.

Admissions and Records reserves the right to request additional documentation if those submitted do not sufficiently establish legal status, physical presence, intent to remain in California, or financial independence (if applicable).

For all students, regardless of age, the following requirements apply:

- At least one proof of California residence must be a primary document (see below).
- Proof must be dated at least one year and one day before the start of the term for which the student is seeking resident status. However, proof should be recent enough to show that the student has been in California continuously.

Admissions and Records reserves the right to request additional proofs in instances when those presented do not sufficiently demonstrate legal status, physical presence, intent, financial independence (as relevant), and the "one year plus one day" requirement.

#### *Primary Documents*

At minimum, one proof of California residence from this list must be presented. All documents must have a valid California physical address in the name of the student or, if the student is under 19 years of age, in the name of the parent/legal guardian.

- California State Income Tax Form 540 (pages 1-2, as submitted to the Franchise Tax Board).
- California Driver License or California ID card or DMV printout.
- Military documents with home of record as California (DD214, military orders, etc.).
- California vehicle registration (California Registration Certificate).
- California voter registration card.
- Official license from California Department of Consumer Affairs for Business or Individual practice.

- California bank account (checking or savings) statements showing a California mailing address and documenting transactions primarily in California.
- Marriage license or divorce decree issued in California with a California mailing address.
- Paycheck stub or letter of employment verification on company letterhead with dates of employment noted ('wet' signature of Human Resources manager required).
- Receipt of benefits from a California State agency.
- Documentation of the purchase and occupancy of residential real estate in California (loan papers, escrow papers, property tax receipts). At least one of the following documents must be submitted. All documents must include a **valid California physical address** in the name of the student or, if under 19, the student's parent or legal guardian:
  - California State Income Tax Form 540 (pages 1–2 as filed with the Franchise Tax Board)
  - California Driver License or California ID card, or official DMV printout
  - Military documentation showing California as home of record (e.g., DD214, orders)
  - California vehicle registration
  - California voter registration card
  - Professional license issued by the California Department of Consumer Affairs
  - Bank statements from a California account (checking or savings) showing local activity
  - California-issued marriage license or divorce decree with a California mailing address
  - Paycheck stub or employment verification letter on company letterhead (signed by HR)
  - Proof of benefits from a California state agency
  - Documentation showing purchase and occupancy of California real estate (e.g., escrow papers, property tax bill, mortgage statement)

#### *Secondary Documents*

These additional documents may be submitted in support of California residency:

- Selective Service registration showing California address
- Utility bills (e.g., electricity, gas, water) covering at least one year
- California health insurance card or Medi-Cal ID with effective date
- Military discharge papers (DD214)
- Other military records indicating California as home of record
- Federal W-2 form with a California address (if state tax return not yet filed)
- California property tax documentation
- Union membership in a California-based local
- California public library membership (verified by official letter or stamped printout)

Document dates must align with the physical presence requirement (i.e., one year and one day before the start of the term) and reflect continuous residency.

As outlined in California Code of Regulations § 54026, the burden of proof is on the student to clearly demonstrate both physical presence in California and intent to establish permanent residency.

Examples of conduct that may contradict a claim of California residency include, but are not limited to:

- Holding a driver's license or vehicle registration from another state
- Filing for divorce or legal action in another state as a resident of that state
- Attending school out of state as a resident of that state
- Declaring non-residence for California income tax purposes
- Presence in the U.S. under a nonresident visa (e.g., F-1, B-2)

#### **Exceptions**

Exceptions to the above residency requirements may be granted under specific circumstances as prescribed by California law and outlined in Administrative Procedure 4110 – Residency Determination.

#### *VACA Exception (VACA H.R. 3230)*

According to the Veterans Access, Choice, and Accountability Act (VACA H.R. 3230), a "covered individual" is defined as:



1. A Veteran who lives in the state in which the institution of higher learning is located (regardless of his/her/their formal state of residence) and enrolls in the school within 3 years of the discharge from a period of active-duty service of 90 days or more.
2. A spouse or child entitled to transferred education benefits who lives in the state in which the institution of higher learning is located (regardless of his/her/their formal state of residence) and enrolls in the school within 3 years of the transferor's discharge from a period of active duty service of 90 days or more.
3. A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (provides Post-9/11 GI Bill benefits to the children and surviving spouses of service members who died in the line of duty while on active duty) who lives in the state in which the institution of higher learning is located (regardless of his/her/their formal state of residence) and enrolls in the school within three years of the Service member's death in the line of duty following a period of active duty service of 90 days or more.
4. After expiration of the 3-year period following discharge or death as described in 38 U.S.C. 3679(c), a student who initially qualifies under the applicable requirements above will maintain "covered individual" status as long as he/she/they remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the institution, even if the student enrolls in multiple programs, and shall continue to be exempt from paying nonresident tuition and other fees.

#### *California Nonresident Tuition Exemption*

Under the provisions of California Education Code § 68130.5, certain nonresident students may qualify for a nonresident tuition exemption, commonly referred to as AB 540. This exemption allows eligible students to pay in-state tuition rates at California Community Colleges, California State Universities (CSUs), and University of California (UC) campuses.

To qualify, a student must not hold a nonimmigrant visa (as defined under 8 U.S.C. § 1101[a][15]), with the exception of students who have been granted T or U visa status. Students must also meet all four of the following criteria:

1. **Attendance Requirements**

The student must have met one of the following:

- Attended a combination of California high school, adult school, or California Community College for the equivalent of three years or more; or
- Earned at least three years' worth of high school credit in California and attended a combination of California elementary, middle, and/or high schools for a total of three or more years.

2. **Graduation or Degree Requirement**

The student must have:

- Graduated from a California high school or attained the equivalent (e.g., GED or California High School Proficiency Exam); or
- Completed an associate degree from a California Community College; or
- Completed transfer requirements from a California Community College to a CSU or UC campus.

3. **Enrollment Requirement**

The student must be currently enrolled or intend to enroll at an accredited California institution of higher education.

4. **Affidavit Requirement**

The student must file a signed affidavit with the college stating that:

- If the student is undocumented, they have filed or will file an application to legalize immigration status as soon as eligible to do so.

#### *Additional Guidelines and Notes*

- T or U visa holders (nonimmigrants who are victims of human trafficking, domestic violence, or other serious crimes) are eligible for this exemption.
- Students with other nonimmigrant visas (e.g., F [student] visas, B [visitor] visas) are not eligible for the AB 540 exemption.
- One year of full-time attendance at a California Community College is defined as:
  - 24 semester units (or 36 quarter units) for credit courses, or

- 420 hours per year for noncredit coursework (equivalent to 210 hours per semester or 140 hours per quarter).
- No more than two years of credit community college attendance may be applied toward the attendance requirement. Partial completion within an academic year is acceptable (e.g., 12 semester units = 1 semester of attendance).
- Students must reside in California and file the exemption request form and affidavit with the Admissions and Records Office. All information submitted is considered confidential unless otherwise required by law.
- Students transferring to another California public institution must submit a new exemption request (and supporting documentation, if required) to each college or university they attend.
- Students who are granted the exemption will not be reclassified as California residents. They remain nonresidents for residency determination purposes, but are exempt from paying nonresident tuition.
- Eligible students may qualify for state financial aid under the California Dream Act, including:
  - Cal Grant A and B Entitlement Awards
  - Cal Grant C Awards
  - The California Promise Grant (formerly the BOG Fee Waiver)
  - Campus-specific scholarships and aid
- AB 540 does not grant eligibility for federal financial aid. Students without lawful immigration status remain ineligible for federal Title IV programs, such as Pell Grants or federal student loans.

### **Residency Provisions for Military and Federal Personnel**

Active duty military personnel and their dependents are granted resident classification for tuition purposes if they are stationed in California for reasons other than attending postsecondary education. This applies regardless of the student's state of legal residence.

Veterans who reside in California and were discharged under conditions other than dishonorable are also granted resident classification, as are their spouses and dependents who qualify for educational benefits under the GI Bill®. This includes individuals using the Fry Scholarship or transferred Post-9/11 GI Bill benefits.

A student who is the spouse or child of a service member who died in the line of duty on or after September 11, 2001, and who resides in California and enrolls within three years of the service member's death, is entitled to resident classification.

Federal civil service employees and their natural or adopted dependent children are also entitled to resident classification if the parent relocated to California as part of a military base realignment involving 100 or more employees.

Once a student is classified as a resident under these provisions, that classification remains in effect as long as the student maintains continuous enrollment (excluding summer terms).

### **Residence Reclassification and Appeal Procedures**

Barstow Community College notifies students of their residency classification via email upon processing their application, using the email address provided on the application.

If a student believes their residency determination was made in error, they should submit a Request for Residency Status Change along with supporting documentation to the Admissions and Records Office within five (5) business days of the notification.

If a student is initially classified as a nonresident but subsequently establishes California residency, the student must submit the following to Admissions and Records:

- A completed Request for Residency Status Change form
- Supporting documentation demonstrating physical presence and intent to remain in California
- Proof of financial independence, if applicable

If a residency reclassification is approved, the change will take effect beginning the next academic term.

Students who miss more than one primary term (fall or spring) are required to submit a new application for admission and may be subject to a new residency review.

### **Selective Service Requirement for Males**

Federal law requires all males between the ages of 18 and 25 to register with the Selective Service System (SSS) if they are U.S. citizens or immigrant aliens.

International students holding valid nonimmigrant visas (such as F-1 student visas) are exempt from this requirement.

### **Steps to Become a Student**

#### *Application for Admission*

Students who have never attended Barstow Community College (new students), who have been absent for more than one primary term (returning students), or who applied previously but did not enroll must submit a new application for admission.

The application is available online at [www.barstow.edu/admissions-aid/getting-started](http://www.barstow.edu/admissions-aid/getting-started) and collects the information necessary to meet state registration requirements and begin the education planning process.

### **Special Admission of Minor Students**

Students, who are under the age of 18 and have not graduated high school, may apply for dual enrollment at Barstow Community College as a special part-time student to supplement their elementary or secondary school education if they meet the requirements outlined in Administrative Procedure 5011. These students can earn both high school and college credit.

#### *Enrollment Process*

For information on policies and the enrollment process visit [www.barstow.edu/admissions-aid/admissions-records/dual-enrollment](http://www.barstow.edu/admissions-aid/admissions-records/dual-enrollment).

### **Admission of International Students**

Barstow Community College welcomes international students (F-1 visa holders) who meet academic, financial, and language proficiency requirements. Applicants must hold a permanent residence outside the United States and enter the U.S. solely for educational purposes.

International students on academic probation or disqualification from another college are not eligible for admission. Students with academic deficiencies from a four-year institution may be considered upon review.

Applicants must provide:

- Proof of English language proficiency (TOEFL/IELTS or equivalent)
- Financial documentation
- Official transcripts (foreign transcripts must be evaluated by a NACES member)

Important deadlines, application instructions, and eligibility criteria are available at: <https://www.barstow.edu/admissions-aid/admissions-records/international-students>

### **Student Success Steps**

[Step-by-Step Tutorials](#) are available online to help students through the registration process.

### **Orientation**

Barstow Community College provides all students policies, procedures, and information including:

- Academic expectations and progress and probation standards.
- Maintaining registration priority.
- Prerequisite and co-requisite challenge.

- Maintaining California College Promise Grant (CCPG, formerly BOG) eligibility.
- Description of available programs, support services, financial aid assistance, and campus facilities, and how they can be accessed.
- Academic calendar and important timelines.
- Registration and college fees.
- Available education planning services.

## **Placement**

### *English, Math, and ESL Placement*

Due to the passage of Assembly Bill 705 (AB 705), new students will be placed into ESL classes and transfer level English and math classes one of two ways: using high school GPA/coursework information or Guided Self-Placement. Assembly Bill 705 requires California community colleges to help students enroll in and complete transfer-level coursework in English and math within one year. Testing and assessment are no longer required. You will be placed in English, math and ESL based on either your prior work or a guided self-placement, depending on when and where you completed your prior work, using one or more of the following measures for placement into transferable English and math courses:

- High School Coursework
- High School Grades
- High School Grade Point Average

To start the process of getting English, math, or ESL placement, students should make an appointment with a counselor in the Counseling Department. When attending the appointment, students should:

- Bring a current photo I.D.
- Know their student ID (B Number)
- Bring high school transcripts if the student has them
- A counselor will meet with you to discuss indicators, or "multiple measures," that will determine your placement. These indicators may include:
  - High School Transcripts
  - Your previous success and/or completion of college level work
  - Highest level of English and/or math you have completed
  - Past study habits and academic strengths
  - Obligations that can impact your coursework
  - Motivation to achieve your educational goal(s)

### *Exemptions*

The following students may be eligible for exemption from assessment of placement:

- Students who have been previously assessed and have written verification of the assessment from other California Community Colleges.
- Students who have already completed an AA/AS or higher degree.
- Students who have successfully completed degree level English or math classes at another regionally accredited college or university. An official copy of the student's transcript must be provided.
- Students who are not otherwise being matriculated, except those who plan to register for English or math at Barstow Community College.

## **Student Education Plan**

Students must meet with a counselor to develop a student education plan. The plan will detail the classes necessary to complete the declared program of study as well as the necessary timeframe for completion. Prior to their first semester of study, students may create a one-semester abbreviated educational plan with a counselor. Students must meet with a counselor to develop a comprehensive education plan once they have completed 15 units and have an updated plan once 45 units have been completed.

### **Priority Registration**

The District will provide priority registration for students who enroll in a community college for the purpose of degree or certificate attainment, transfer to a four-year college or university, or career advancement for the fall and spring semesters. Summer will not have a priority system for registration.

Priority registration shall only be granted to those students who have completed orientation, assessment, and developed a student education plan. Education plans must be updated at 15 completed units and 45 completed units for continued eligibility for priority registration. Higher priority will be granted to those students who indicated an education goal of:

- Obtain an AA degree and transfer to a 4-year institution;
- Transfer to a four-year institution without an AA degree; or
- Obtain a two-year vocational degree without transfer; or
- Earn a vocational certificate without transfer; or
- Improve basic skills in English, reading or math.

Registration priority specified above shall be lost at the first registration opportunity after a student:

- Is placed on academic or progress probation or any combination thereof as defined by Board Policy and Procedure 4250 for two consecutive terms; or
- Has earned 100 or more degree-applicable units; or
- Has earned a degree.

Students will have the following registration priority, in the order of priority listed below:

- **Tier 1:** Active-Duty Military; Veterans; Foster Youth and former Foster Youth; ACCESS; EOPS; CalWORKs; and Homeless and Housing Insecure. A student who is a parent of a child/children under the age of 18 who will receive more than half of their support from that student as set forth in Education Code Section 66025.81.
- **Tier 2:** Athletes; Associated Student Government; students who have completed 60-90 units and have an appropriate education goal; Barstow College Promise Program; B.R.A.S.S.; STEP.
- **Tier 3:** Students who have completed 45-59.9 units have declared an appropriate education goal; active-duty military family members; dependents using VA benefits.
- **Tier 4:** All other fully matriculated continuing and returning students and newly admitted students who are fully matriculated.
- **Tier 5:** Students who are not fully matriculated and those students who did not meet the requirements to receive priority registration, including special part time students (Dual enrolled (formerly concurrent) students).

Completed units include all units evaluated and posted on the student's BCC transcript. Registration priority specified above shall be lost at the first registration opportunity after a student:

- Is placed on academic or progress probation or any combination thereof as defined by Board Policy and Procedure 4250 for two consecutive terms; or
- Has earned 100 or more degree-applicable units; or
- Has earned a bachelor's degree or higher.

For this section, a unit is earned when a student receives a grade of A, B, C, D, or P.

### **Registration**

Registration is the process of becoming officially enrolled in college. Students may register, add and/or drop courses online through the MYBCC portal at [www.barstow.edu](http://www.barstow.edu).

The last day of registration, without instructor permission, for all classes is the day before the class begins. Students may continue to add classes after this only by obtaining an add authorization code from the instructor. Instructors may issue add authorization codes up through the day prior to census for their courses. [Add deadlines](#) are posted each semester online. Failure to register prior to these deadlines will result in the student not being allowed to attend classes or receive credit. Drop deadlines are listed on the student's Schedule and Account Information page by logging in through MYBCC at [www.barstow.edu](http://www.barstow.edu).



Add and drop dates are mandated by the State of California and Barstow Community College administrative procedures. Separate deadline dates are listed for fee refunds (10% of class meetings), dropping without a "W" (20% of class meetings), and dropping with a "W" (75% of class meetings). Deadlines must be adhered to and failure to do so may result in a failing grade and/or owing fees.

### **Adding Courses**

After a student completes registration, the student may add additional classes online through MYBCC at [www.barstow.edu](http://www.barstow.edu). Once a course has begun, the instructor must issue an add authorization code for the student to register.

### **Waitlist Policy**

Once a class reaches capacity, students may add themselves to the waitlist until the list becomes full or until the Friday before the course begins, whichever comes first.

If a student drops the course, creating an available seat, the first student on the waitlist will receive an automated notification sent to their my.barstow.edu email address. The notification will include a 72-hour deadline to log into the registration system and enroll in the course.

If the student does not complete registration within the 72-hour window, they will be removed from the waitlist, and the next eligible student will be notified. Students who miss the 72-hour window must rejoin the waitlist if it is still open.

It is the student's responsibility to:

- Monitor their my.barstow.edu email regularly
- Ensure all registration holds or issues are resolved before attempting to enroll

The waitlist operates continuously, even when the College is closed. Email notifications are sent automatically.

### *After the Course Begins*

Once the class has started, only the instructor may authorize students to add the course. This is done by issuing an add authorization code, which students must use to register.

Instructors are strongly encouraged to prioritize students on the waitlist in the order they appear when issuing add codes. Waitlisted students should attend the first class meeting and request an add authorization code if space permits.

### *If the Waitlist is Full*

Students who were unable to join the waitlist because it was full are still encouraged to attend the first class meeting. If space is available, the instructor may issue an add authorization code at their discretion.

Note: The integrity of the waitlist will be maintained at all times. Students will not be added to a full class in a way that bypasses the waitlist.

### **Section Change**

A section change refers to withdrawing from one section of a course and enrolling in another section of the same course that differs by instructor, meeting days, times, or instructional modality. It may also include transferring between different levels of a course sequence (e.g., from a lower to a higher level or vice versa).

Instructor approval is required for the section being added.

## **FEES & TUITION**

### **Fees and Expenses**

Barstow Community College provides affordable, high-quality education. As a publicly funded institution, student registration fees are kept low. To ensure financial barriers do not limit access to education, financial aid is available to assist eligible students.

Fees are assessed each term and are due at the time of registration or by the second Friday of the semester, whichever comes first. Fees may be paid online via the MyBCC portal (using VISA, MasterCard, Discover, or American Express) or in person at Admissions and Records (cash, check, or money order). Failure to pay fees by the deadline will result in a registration hold.

Stopping payment on a check does not constitute a withdrawal and will result in a \$10 returned check fee.

All fees are subject to change without notice by action of the California Legislature, the California Community Colleges Board of Governors, or the Barstow Community College District Board of Trustees.

### **Enrollment Fee**

The enrollment fee is \$46 per unit for all students who qualify as California residents. Students may be eligible for the California College Promise Grant (CCPG), which waives enrollment fees. Contact the Financial Aid Office at [finaid@barstow.edu](mailto:finaid@barstow.edu) or 760-252-2411 ext. 7205 for more information.

Dual enrollment students taking 11.5 or fewer units are exempt from all fees.

### **Nonresident Tuition**

For 2025–2026, nonresident and international students are charged \$400 per unit, in addition to the \$46 per unit enrollment fee.

*Note: Nonresident ESL students may qualify for exemptions if they are recent immigrants, refugees, or asylees who settled in California.*

### **Instructional Materials Fee**

Some courses require a non-waivable fee for instructional materials (e.g., CPR cards, exams, lab kits). Students enrolled in courses with these fees will be administratively dropped if the fee is not paid by noon on the Wednesday before the class begins. Refer to the college website for the current list of courses and associated fees.

### **Supplemental Fees**

- **Auditing:** \$15 per unit (waived for students enrolled in 10+ units)
- **Credit by Examination:** Assessed at the regular enrollment fee per unit
- **CLEP/DANTES Exams:** \$70 exam fee + \$45 administration fee  
(Waived for active-duty military and National Guard members)
- **Returned Check Fee:** \$10; must be repaid via cash or money order. Future check payments will be disallowed.
- **Diploma/Certificate Replacement:** \$11
- **Transcripts:**
  - First two copies: Free
  - Online: \$7.50 each
  - Standard (in person/mail): \$10 each
  - Same-day rush: \$14 per address
- **Enrollment Verifications:**
  - Free via self-service portal
  - Standard processing: Free via Admissions (within 10 business days)
  - Same-day processing: \$14 per form

### **Student Identification Card**

Students are entitled to one free photo ID card, available at the Welcome Center. This card is required for access to the library, fitness lab, and computer labs. If students are unable to obtain an ID card during regular hours (Monday–Thursday 8:00 a.m.–6:00 p.m., Friday 8:00 a.m.–12:00 p.m.), they may contact 760-252-6796 or email [welcome@barstow.edu](mailto:welcome@barstow.edu) to arrange an alternative time.

**Associated Student Government (ASG) Fee**

Students are automatically assessed a \$10 optional ASG membership fee during registration. To decline, students must submit the Decline Student Activities Fee form. ASG membership provides benefits including:

- Discounts at the Viking Bookstore
- Local merchant and restaurant discounts
- Free admission to BCC athletic and ASG-sponsored events
- Discounted tickets to campus performing arts programs

For a full list of benefits, visit the ASG office or email [studentlife@barstow.edu](mailto:studentlife@barstow.edu).

**Student Representation Fee**

The \$2 Student Representation Fee supports student participation in statewide legislative advocacy and representation through CalSACC. Students may waive this fee for religious, political, financial, or moral reasons by completing the Student Representation/Activities Fee Waiver form.

**Refund Policy**

- 100% refunds are granted if a student drops a class within the first 10% of scheduled meetings or if the class is cancelled.
- Refunds are processed automatically and mailed within 2–4 weeks.
- Students should verify individual course refund deadlines on the Schedule and Account Information page in the MyBCC portal, as dates may be as early as the first day of instruction.

**Military Refunds:**

Students who are active or reserve military personnel and are issued PCS or TDY orders may receive a full refund upon submission of orders and a completed petition, unless a final grade has been posted.

**Outstanding Financial Obligations**

The College reserves the right to withhold registration privileges and/or transcripts for students with unpaid obligations, including:

- Registration and course fees
- Library fines and unreturned items
- Returned checks
- Unpaid materials, lab fees, or damage to campus property

**Note:** This does not apply to unpaid student organization dues.

Barstow Community College participates in the Chancellor's Office Tax Offset Program (COTOP), which collects debts through the California Franchise Tax Board. If a student is owed a tax refund, lottery prize, or unclaimed property, the State may redirect those funds to satisfy the student's debt.

Students will receive two mailed notices before submission to COTOP:

1. Initial notice after the semester ends
2. Final notice at least 30 days before referral

Students may dispute charges by submitting a written appeal and supporting documents to Admissions and Records by the deadline in the notice. A 25% collection fee will be added to all accounts submitted to COTOP.

# COUNSELING & STUDENT SUCCESS SERVICES

## **Accessibility Coordination Center and Education Support Services (ACCESS)**

[www.barstow.edu/student-services/access](http://www.barstow.edu/student-services/access)

**760-252-2411 ext. 7225**

Barstow Community College is committed to providing support services and special classes to students with a disability. ACCESS works with the departments throughout the college to assure the programs and facilities of the college are accessible to every student. ACCESS provides counseling services and reasonable accommodations that equalize educational opportunities for students.

## **Counseling Services**

[www.barstow.edu/Student-Services-Counseling.html](http://www.barstow.edu/Student-Services-Counseling.html)

**760-252-2411 ext. 7351**

Barstow Community College's professional counselors are here to support students with academic planning, career exploration, and personal development. Whether students need help choosing a major, selecting courses, setting career goals, or managing personal challenges, they are here to guide BCC students along the way. Services are available by appointment, walk-in, email, or phone.

## **The Mindful Space, Mental Health Services**

<https://www.barstow.edu/student-services/mindful-space> **760-252-2411 ext. 6873**

The Mindful Space, the mental health center, is a place where students can receive mental health services from a licensed mental health counselor. Services are tailored to meet the needs of each individual and are provided free to both full-time and part-time students. Services that are provided through The Mindful Space include the following: individual psychotherapy, coaching, group therapy, mental health assessments, crisis intervention, consultations, disciplinary intervention, and referrals to additional services in the community. Mental health counseling services are available during the day by appointment with confidential sessions through face-to-face, video, or telephone. The same services are also available twice a month at the Ft. Irwin campus. In addition, students can obtain free Naloxone (Narcan), fentanyl test strips, and drink spiking test kits.

## **Student Success and Equity**

[www.barstow.edu/Student-Success.html](http://www.barstow.edu/Student-Success.html)

[success@barstow.edu](mailto:success@barstow.edu)

The Student Success & Equity (SSE) Department is dedicated to advancing inclusive excellence at Barstow Community College by promoting the success and belonging of our diverse and historically marginalized student populations. SSE leads multiculturally affirming programs and creates holistic development opportunities, both on campus and virtually, that empower students to achieve their academic, personal, and professional goals. Services include equity-centered workshops, leadership development, culturally relevant events and celebrations, personalized advising, and comprehensive online student success resources. SSE recognizes that every student brings unique experiences and are dedicated to providing the resources and opportunities you need to succeed.

Student Success & Equity oversees the Multicultural and Equity Communities, this vibrant space serves as a hub for students to connect with identity-affirming programs, cultural organizations, and equity-based support networks. Whether you plan to transfer, enhance your skills, or achieve your career goals, we are here to ensure you have the tools, community, and support to reach your full potential. Explore our Multicultural and Equity Communities landing page:

[www.barstow.edu/multicultural-and-equity-communities](http://www.barstow.edu/multicultural-and-equity-communities)

## **Transfer Center**

[www.barstow.edu/student-services/transfer-career-center](http://www.barstow.edu/student-services/transfer-career-center)

**760-252-2411 ext. 7321**

The Transfer Center provides services and activities to support students through the process of transferring to a 4-year college/university. A variety of resources are available, including academic counseling, guidance in researching and selecting a transfer institution, individual appointments with representatives from CSU, UC, and independent colleges and universities, transfer workshops, Transfer Admission Guarantees (TAG) information, important dates and deadlines, college research, transfer fairs, and more! Connect with us today by sending an email to [transfer@barstow.edu](mailto:transfer@barstow.edu).

# FINANCIAL AID & SCHOLARSHIPS

<https://www.barstow.edu/admissions-aid/financial-aid>

Norman Smith Student Services Center

760-252-2411 ext. 7205 / [finaid@barstow.edu](mailto:finaid@barstow.edu)

The College takes pride in a personal approach to helping students meet the cost of education. A variety of resources are available including fee waivers, scholarships, grants, and part-time employment on campus. Application for all Barstow Community College financial aid programs begin with completion of the Free Application for Federal Student Aid (FAFSA) online at <https://studentaid.gov/h/apply-for-aid/fafsa>, which is available as early as October 1, for the following Fall semester (School Code 001119).

Students are urged to contact Financial Aid when they register to see if they qualify for any type of financial aid. The office aids students in completing all necessary applications and forms. It is the responsibility of the Financial Aid Office to ensure that students have the necessary knowledge to seek financial aid.

Section 601 of Title VI provides that no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.

## California Dream Act

The **California Dream Act** allows undocumented students, or those with T/U Visas, who attended and graduated from a California high school for at least 3 years to apply for state financial aid (CCPG and Cal Grants).

### Requirements:

- Submit the **Nonresident Tuition Exemption** form to Admissions & Records.
- Complete the **Dream Act Application** at [dream.csac.ca.gov](http://dream.csac.ca.gov) between **October 1 and March 2** for the upcoming academic year. (School Code: 001119)

## California State Financial Aid Programs

### California College Promise Grant (CCPG)

Covers tuition for eligible students. Apply via **FAFSA** or **Dream Act Application**.

### Ways to Qualify:

- Meet income criteria or demonstrate financial need.
- Receive public assistance (CalWORKs, SSI, General Assistance).
- Be a disabled veteran or dependent of a deceased/displaced veteran or public safety personnel.
- Medal of Honor recipient or dependent.

### Academic Standards (since Fall 2016):

- Maintain a **2.0 GPA** and complete at least **50% of attempted units**.
- Two consecutive terms of not meeting these standards results in **loss of CCPG**.

### Two-Year Fee Waiver (Promise Program):

Eligible if student:

- Is a California resident or AB540-eligible.
- Is a first-time college student.
- Enrolls full-time (12+ units).
- Completes 24 units with a minimum 2.0 GPA in year one.
- Has unmet need over \$1,104.

## Cal Grants

State-funded grants for low-to-middle-income students.

### Types:

- **Cal Grant A:** Tuition assistance at 4-year colleges.
- **Cal Grant B:** Living expenses & tuition (community/4-year colleges).
- **Cal Grant C:** For vocational/trade program expenses.

### Requirements:

- Submit **FAFSA/Dream Act Application** and **GPA Verification** by:



- **March 2** (High School Seniors)
  - **September 2** (Community College students)
- Enroll in at least **6 units**.

### **Student Success Completion Grant (SSCG)**

Provides additional aid for full-time Cal Grant B or C recipients.

#### **Award Amounts:**

- \$1,298/semester (12–14.99 units)
- \$4,000/semester (15+ units)
- Foster youth (12+ units): \$5,250/semester

#### **Eligibility:**

- Must meet **SAP**, have **unmet need**, and attend full-time.

### **Chafee Grant**

Up to **\$5,000/year** for current/former foster youth.

Apply at: [chafee.csac.ca.gov](http://chafee.csac.ca.gov)

## **Federal Financial Aid Programs**

### **General Eligibility:**

- Have **unmet need, SSN**, and be a **U.S. citizen/eligible noncitizen**.
- Enroll in an **eligible program** (AA, AS, certificate).
- Maintain **SAP**.
- Not be in **loan default** or owe **grant refunds**.
- Have a **high school diploma/GED** or meet ATB provisions (pre-July 1, 2012).

### **Pell Grant**

Need-based aid for undergraduates. Amount based on **EFC** and **enrollment status**. Limited to **6 years (12 full-time semesters)**.

### **Supplemental Educational Opportunity Grant (SEOG)**

For students with exceptional financial need. Limited funds; not guaranteed.

### **Federal Work Study (FWS)**

On-campus jobs for eligible students (6+ units). Apply via **FAFSA** and FWS application at [schooljobs.com](http://schooljobs.com).

### **Direct Loans**

- **Subsidized:** Based on need; interest paid by the government during enrollment.
- **Unsubsidized:** Not need-based; interest accrues immediately.

*BCC does not participate in Parent PLUS or private loans.*

## **Other Financial Aid Resources**

### **College Financing Plan**

Standardized tool showing a student's full financial aid package to simplify comparison across schools.

### **Scholarships**

Annual awards between **\$100–\$1,500**, based on academic merit, need, and involvement. Apply online by **early March**.

### **Enrollment Status (for Disbursement):**

- **Full-Time:** 12+ units (15+ for SSCG)
- **¾ Time:** 9–11.5 units
- **Half-Time:** 6–8.5 units
- **<Half-Time:** <6 units

### **Satisfactory Academic Progress (SAP)**

#### **Requirements:**

- **2.0 GPA** (Qualitative)
- **67% completion rate** (Pace)
- Complete program within **150% of program length** (Max Timeframe)

Examples:

- Associate Degree: 90 units
- High Unit Cert: 27 units
- Mid Unit Cert: 18 units

- Low Unit Cert: 9 units

Withdrawals after 20% of term, failed courses, and incompletes may affect SAP status.

**SAP Status:**

- **Good Standing:** Meets all requirements.
- **Warning:** One term grace to regain eligibility.
- **Suspension:** No aid unless successfully appealed.
- **Probation:** Aid reinstated after successful appeal; reviewed each term.

**Appeals:**

- Based on **mitigating circumstances** (death, illness, etc.).
- Requires meeting with a counselor.
- Must include explanation of changes and supporting documents.
- Denials can be re-appealed after showing academic improvement (6 units, 2.0 GPA).

**Title IV (Federal Aid) Refunds & Withdrawals**

Aid is earned by **attending/participating** in class. Withdrawal before completing **60% of the term** triggers a **Return to Title IV (R2T4)** calculation.

**Order of Return:**

1. Unsubsidized Loans
2. Subsidized Loans
3. Pell Grant
4. SEOG

Students will be notified of any repayment owed. Overpayments not repaid in **45 days** are reported to the U.S. Dept. of Education.

**Other Financial Considerations**

**Overpayments**

Occur from added resources or dropped classes. May result in **debts to BCC or U.S. Dept. of Ed.** Must be resolved before further aid is disbursed.

**Loan Repayment**

Begins 6 months after dropping below half-time. Students must complete **Exit Counseling**.

**Bookstore Authorizations**

Eligible students may access **bookstore vouchers** before disbursement. Otherwise, they must purchase books out-of-pocket until aid is released.

**Tuition Assistance**

Barstow Community College accepts tuition assistance from active-duty students to pay enrollment fees, including out-of-state tuition.

Applying for tuition assistance (TA) through the military involves several steps and requirements. Here's a general guide on how to apply for tuition assistance based on common procedures across different branches of the U.S. military:

**1. Check Eligibility:**

Each branch of the military has its own eligibility criteria for tuition assistance. Typically, service members must be on active duty or in the Selected Reserve and meet certain service requirements. Eligibility criteria may include minimum service time, educational goals that align with the military's mission, and satisfactory performance evaluations.

**2. Contact Your Education Office:**

Contact the education office within your military branch (e.g., Army, Navy, Air Force, Marines, Coast Guard) for specific guidance and forms related to tuition assistance.

They can provide information on eligibility requirements, application procedures, approved educational institutions, and funding limits.

**3. Choose an Eligible Program and Institution:**

Ensure that the educational program and institution you plan to attend are eligible for tuition assistance. Most accredited colleges, universities, and vocational schools are eligible, but it is important to confirm with your education office.

**4. Submit Application:**

Complete the tuition assistance application form provided by your branch of the military. This may involve filling out forms electronically through your branch's education portal or submitting paperwork directly to your education office.

Some branches may require you to create an account on their tuition assistance portal and submit your course enrollment information online.

**5. Receive Approval:**

Your education office will review your application after you submit it. If approved, you will receive confirmation of your tuition assistance funding.

Keep copies of all communications and approvals related to your tuition assistance application for your records.

**6. Complete Courses and Maintain Eligibility:**

Attend your approved courses and maintain satisfactory academic progress. Most military branches require you to maintain a minimum grade point average (GPA) to continue receiving tuition assistance.

**7. Submit Grades and Reimbursement (if applicable):**

Some military branches require you to submit your grades at the end of each course or semester to verify your progress.

If you paid tuition upfront and seek reimbursement through TA, follow your branch's procedures for submitting reimbursement requests.

**8. Renew or Reapply:**

Tuition assistance benefits must be reapplied for each academic term or year. Check with your education office for deadlines and procedures for renewing your tuition assistance for subsequent courses.

It's important to note that each branch of the military may have specific nuances in their tuition assistance programs, so it's advisable to contact your education office early in your planning process to ensure you understand and meet all requirements. They can provide the most up-to-date information and guide you through the application process.

For more information, students should contact Military and Veterans Programs at (760)252-7601 or email [ftirwin@barstow.edu](mailto:ftirwin@barstow.edu). Students may also visit their branch of service's TA site at:

[Army](#)

[Navy](#)

[Marines](#)

[Dept. of the Air Force](#)

[Coast Guard](#)

**Special Note: All active-duty military members must contact their Educational Services Officer (ESO) before enrolling to review all of their educational options.**

**Return of Unearned Military Tuition Assistance**

Military Tuition Assistance (TA) is awarded to a student under the assumption that the student will attend school for the entire period for which the assistance is awarded. When a student withdraws, the student may no longer be eligible for the full amount of TA funds originally awarded. To comply with the Department of Defense (DOD) policy, Barstow Community College will return any unearned TA funds on a prorated basis through at least the 60% portion of the period for which the funds were

provided. TA funds are earned proportionally during an enrollment period, with unearned funds returned based upon when a student stops attending.

In instances when a Service member stops attending due to a military service obligation, Barstow Community College will work with the affected service member to identify solutions that will not result in a student debt for the returned portion in compliance with the DOD policy.

This policy serves to fully inform students receiving military tuition assistance (TA) of the required actions the College must take to comply with the DOD Memorandum of Understanding Return Policy for Military Tuition Assistance (TA) funds rules and align with the return of unearned student aid rules applicable to the Federal Student Aid as required under section 484B of the Department of Education

Title IV of the Higher Education Act of 1965.

This policy applies to all students receiving Military Tuition Assistance (TA) for the Army, Navy, Air Force and Marines.

Military Tuition Assistance (TA) is a benefit paid to eligible members of the Army, Navy, Marines, Air Force and Coast Guard. Congress has given each service the ability to pay up to 100% for the tuition expenses of its member. Each service has its own criteria for eligibility, obligated service, application processes and restrictions. This money is usually paid directly to the institution by the individual services. This policy only applies to this type of educational benefit. The TA program is a benefit that is available only while the student is in the service. This policy does not apply to Veterans or Veterans benefits.

To remain in compliance with the Department of Defense's policy, Barstow Community College will return any unearned TA funds through at least 60% of the semester on a prorated basis. The amount of unearned TA that is returned is based on the date of withdrawal from the course.

After 60% of the semester has passed, TA will not be evaluated for a return to the DOD.

As an institution, the DOD will be billed after 60% of the semester has passed to reduce the amount of incorrect TA funds being disbursed by the DOD to Barstow Community College. We will only bill for the amount the students earned given their enrollment.

**18-week Course Withdraw submitted, the 60% of course is completed at 10.8 weeks**

Before or during weeks 1-2 100% return

During weeks 3-4 75% return

During weeks 5-9 50% return

During weeks 10-10.8 40% return (60% of course is completed)

During weeks 10.9-18 0% return

**12-week Course Withdraw submitted, the 60% of course completed at 7.2 weeks**

Before or during week 1.2 100% return

During weeks 1.3-3 75% return

During weeks 4-7.1 50% return

During weeks 7.2 40% return (60% of course is completed)

During weeks 7.3-12 0% return

**9-week Course Withdraw submitted, the 60% of course completed at 5.4 weeks**

Before or during week 1 100% return

During weeks 2-3 75% return

During weeks 4 50% return

During weeks 5.4 40% return (60% of course is completed)

During weeks 5.5-9 0% return

**8-week Course Withdraw submitted, the 60% of course completed at 6 weeks**

Before or during week 1 100% return  
During week 2 75% return  
During weeks 3-4 50% return  
During week 5 40% return (60% of course is completed)  
During weeks 6-8 0% return

**6-week Course Withdraw submitted, the 60% of course completed at 3.6 weeks**

Before or during week 1 100% return  
During week 2 75% return  
During weeks 3-3.5 50% return  
During week 3.6 40% return (60% of course is completed)  
During weeks 3.7-6 0% return

**Less than 6-week Courses Withdraw submitted**

Percentage of the enrollment period earned: Divide the number of days attended by the number of days in the term (including weekends and holidays).

Calculation of the portion of unearned TA funds up to the 60 percent point in time:

- Subtract the percentage earned (rounded up to the nearest .1%) from 100 to determine the percentage unearned TA funds.
  - $100\% - 90\% = 10\%$  return
  - $89.9\% - 75\% = 14.9\%$  return
  - $74.9\% - 50\% = 24.9\%$  return
  - $49.9\% - 40.1\% = 9.8\%$  return
  - 40% or less = 0% return

Example: Student drops an 18-day course on day 7  
 $7 \div 18 = .3888$  or 38.88%  
 $100\% - 38.8\% = 61.2\%$   
61.2% = 50% is considered unearned TA funds to be returned to the military branch.

If withdrawal occurs after the 60 percent date, all of the TA funds received will have been earned and no refund will be required.

## SPECIAL PROGRAMS

[www.barstow.edu/Special-Programs-and-Services.html](http://www.barstow.edu/Special-Programs-and-Services.html)

Special Programs and Services K Building

760-252-2411 ext. 7255

**Extended Opportunity Programs & Services (EOPS)** is a state-funded student support program at Barstow Community College that provides academic and personal support to students who are both economically and educationally disadvantaged. EOPS is designed to promote student success through services such as personalized counseling, priority registration, textbook assistance, school supplies, workshops, and transfer support. To be eligible, students must be California residents or meet AB540 criteria, qualify for the California College Promise Grant (formerly BOG Fee Waiver) A or B, be enrolled full-time (12 or more units) during the fall and spring semesters, have completed fewer than 70 degree-applicable units, and meet educational disadvantage criteria as outlined in the EOPS application. Some exceptions to full-time enrollment may be considered on a case-by-case basis.

**Cooperative Agencies Resources for Education (CARE)** is a component of EOPS that provides additional support to EOPS students who are single parents receiving CalWORKs/TANF benefits. CARE is designed to help students succeed in college while balancing the responsibilities of parenting and employment. In addition to EOPS services, CARE students receive grants, gas or meal cards, school supplies, and access to workshops, conferences, and other parent-focused resources. To qualify for

CARE, students must be the single head of household, have at least one dependent child under the age of 18, and be currently receiving CalWORKs benefits for themselves and/or their children.

**NextUp** is a state-funded support program at Barstow Community College designed specifically for current and former foster youth. The program provides dedicated counseling, need-based grants, school supplies, textbook assistance, transportation support, meal cards, and life skills development opportunities. To be eligible for NextUp, students must be current or former foster youth whose dependency was established or continued by the court on or after their 13th birthday, be no older than 26 years of age at the start of the academic year and have the intent of registering in at least 9 units, with some flexibility based on individual circumstances.

**California Work Opportunity and Responsibility to Kids (CalWORKs)** is a state-funded program that provides support services to students who are current recipients of Temporary Assistance for Needy Families (TANF)/CalWORKs. The program is designed to help eligible students achieve long-term self-sufficiency through education, training, and employment. CalWORKs at Barstow Community College offers a range of services including academic and career counseling, priority registration, work-study opportunities, childcare referrals, transportation assistance, school supplies, and advocacy with the County. To qualify, students must receive cash aid for themselves and/or their children and must have an active CalWORKs case with the County.

The **Basic Needs Center** is dedicated to supporting students with various essential services, such as housing, assistance with CalFresh applications, addressing food insecurity, providing mental health referrals, offering transportation assistance, and connecting students with community agencies and resources. To further support our students, the Food Pantry provides a diverse selection of fresh, frozen, and non-perishable food items daily, as well as a monthly Produce Market where students can access a wide variety of fresh fruits and vegetables.

## SUPPORT SERVICES

### Athletics

[www.barstowvikings.com](http://www.barstowvikings.com)

#### Fitness and Wellness Center

**760-252-2411 ext. 7266**

Barstow Community College is a member of the Inland Empire Athletic Conference (IEAC) and the CCCAA (California Community College Athletic Association). The Vikings compete in men's basketball, men's baseball, women's basketball, and women's softball.

Students must be actively enrolled in 12 or more units to be eligible for intercollegiate athletics. To be eligible for the second season of a sport, the student-athlete must complete and pass 24 units beginning from the first semester of competition and ending the day before the second season of competition begins, with 18 of those semester units coming from academic classes. Up to 6 semester units can come from Physical Education classes. Students must maintain a minimum cumulative grade point average of 2.0.

### Bookstore/Viking Shop

[www.bkstr.com/barstowccstore](http://www.bkstr.com/barstowccstore)

#### D Building

**760-252-2411 ext. 7262**

The Viking Shop is the campus and community resource for textbooks, supplies and other course materials. In addition to required class items, the Viking Shop has a variety of additional study aids available. The campus store offers a selection of college logo items, including clothing and gift items. An array of snack items can also be purchased at the bookstore. They are now located in the "D" Building, which is the first building from the Barstow Campus entrance. The Viking Shop offers used and rental books, when available, as a cost-saving alternative.

### Returns

Textbooks may be returned for full term classes up to two weeks after the class start date. Textbooks purchased for short term courses may be returned up to one week after the start of class. Some restrictions may apply. Please contact the Viking Shop for more information.

### Book Buy Back

Textbook buy back is available every day. Buy back is an opportunity to receive money back for books used during the term that are not eligible for return. There is no guarantee by the bookstore that a book will be bought back at the end of the term. However, when a book is eligible to be bought back it may be worth up to 50% of the initial purchase price.

#### *Rentals*

Rentals are available to return for a refund for one week after the term begins. Rentals eligible for refund must be in the same condition as time of purchase.

### **Career Technical Education (CTE)**

**760-252-6799/**[cte@barstow.edu](mailto:cte@barstow.edu)

[www.barstow.edu/Career-Technical-Education.html](http://www.barstow.edu/Career-Technical-Education.html)

#### **CTE Complex**

Career Technical Education (CE) programs at Barstow Community College offer industry-linked programs and courses that prepare students for entry-level and middle-skill employment opportunities, typically within one to four semesters. The courses are led by educators with extensive expertise in their field, with many CTE instructors and trainers also holding active positions outside of BCC. CTE programs leading to Associate degrees, Certificates of Achievement, and Certificates of Career Preparation are offered in a wide variety of fields, including:

- Accounting
- Administration of Justice
- Automotive Technology
- Business Administration
- Computer Business Information Systems
- Cosmetology
- Diesel Technology
- Early Childhood Education
- Electrical Skills
- Entrepreneurship and Innovation
- Industrial Maintenance Technology
- Management
- Warehousing and Logistics
- Welding Technology

Students who successfully complete a CTE program leave BCC with a wide range of knowledge — theoretical, hands-on, applied, and experiential — and a strong relationship with employers.

### **Distance Education**

[www.barstow.edu/online\\_students.html](http://www.barstow.edu/online_students.html)

#### **L-14, Learning Resource Center (LRC)**

**760-252-**

**2411 ext. 7319 /** [DG\\_OnlineOffice@barstow.edu](mailto:DG_OnlineOffice@barstow.edu)

Barstow Community College offers distance education and services to students who, for a variety of reasons, are unable to travel to the campus. Distance education, sometimes referred to as distance learning, online learning, or e-learning, provides students with the opportunity to learn when learning is best for them.

Many courses are offered fully online, which means that students can complete their courses or programs of study without ever stepping on campus. If students have access to a computer and the Internet, students can complete courses from anywhere in the world (at home, at work, and even at play).

Hybrid courses combine on-campus (face-to-face) and online learning, allowing students to have the best of both worlds. Students can do course work online and meet on campus for reinforcement, practice, lab, or discussion. With hybrid courses, students can reduce the number of trips to the campus.

Hyflex courses require students to attend a class live on campus or live synchronously online. Students will have the opportunity to attend classes with a live instructor. Time commitments will remain stable for the duration of the class with students attending at the same day/time each week.

Students do course work online and meet regularly on campus or online for reinforcement, practice, lab, or discussion.

Enrollment, registration, payment, academic counseling, books, library resources, and learning support services are available to students through the main website and through Canvas. For course offerings, technology requirements, admission and registration procedures, student services, and other information, please visit the main website.

### **Health Insurance**

#### **Norman Smith Student Services Building**

Applications for voluntary insurance may be obtained from Admissions and Records. All students are insured to provide benefits for accidental injury during regular attendance at the college, while attending college-sponsored activities, and while traveling under college supervision to and from such activities. The benefits are secondary and paid after any valid and collectible benefits provided by other insurance plans covering a student, and benefits are paid to the limit of the policy only.

### **Homeless and Housing Insecurity Program (HHIP)**

#### **760-252-2411 ext. 6898**

BCC has recognized the potential needs of homeless and housing insecure students who attend our community college. HHIP provides eligible students with college focused rapid rehousing and housing stabilization services. This may include temporary rental stipends, move-in costs or utility arrears. Emergency housing grants are provided to help homeless students secure housing or to prevent the imminent loss of housing. Through partnership with local nonprofit organizations, we provide case management, housing navigation and transitional housing. The HHIP Program Manager also serves as our Homeless Youth Liaison to ensure these students have access to educational resources.

### **Military and Veterans Programs**

#### **760-252-2411 ext. 6801/[vets@barstow.edu](mailto:vets@barstow.edu)**

The mission of Military & Veterans Programs at Barstow Community College is to provide comprehensive support and resources to military service members, veterans, and their dependents as they pursue their educational goals. This is achieved through multiple forms of support, services, and locations including the Barstow Community College main campus, Fort Irwin campus, and Education Center locations.

#### *Veteran's Resource Center (VRC)*

In accordance with the Chancellor's Office guidelines, BCC has dedicated a space for student veterans and their dependents called the Veterans Resource Center (VRC). Within the VRC students can find computers to work on, free printing, a quiet study space, school supplies and a textbook lending library.

Veterans can also meet with peers for study groups. There is also a lounge space where student veterans can relax between classes, engage with other veterans, or meet with representatives from other Veteran agencies including the Department of Veterans Affairs, VA health, service organizations and more.

The VRC is open to all veterans, military personnel, and their dependents who are welcome to enjoy the space or a free cup of coffee or snack while visiting the VRC.

#### *Priority Registration*

Eligible veterans and active-duty military members may qualify for priority registration and should contact the School Certifying Official prior to registering for courses.

#### *Education Benefits*

Students who are eligible for the VA Educational Benefits, Chapter 35 Dependents Educational Assistance (DEA), or Chapter 31 Veterans Readiness and Employment (VR&E) may choose to use their education benefits at Barstow Community College by completing a comprehensive educational plan and submitting it to the School Certifying Official along with the Veterans Request for Benefits, Certificate of Eligibility, a copy of the DD214 and all prior transcripts. Veterans will be certified with the VA within 30 days of submitting all their documentation.



GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at <https://www.benefits.va.gov/gibill>.

To determine eligibility for Education Benefits or any of the available support programs, military members and student veterans should meet with the School Certifying Official to complete the necessary applications.

#### *Veterans Education and Transitional Support (VETS) Program*

Veterans Services has developed the Veterans Education and Transitional Support (VETS) Program offering eligible student veterans assistance with books, school supplies, transportation, as well as workshop opportunities and special events. This program is funded through various sources and aims to improve access, retention, completion, and transfer rates for military veterans at BCC. *Student Veterans Organization (SVO)*

The Student Veterans Organization, a chapter of the national organization, Student Veterans of America, is a club on campus open to all interested students who support the mission of the SVO. The club is part of the Barstow Community College Associated Student Government (ASG) and seeks to create a welcoming campus for student veterans and military members attending Barstow Community College. The SVO meets in the VRC on a bi-weekly basis. For more information, contact [vets@barstow.edu](mailto:vets@barstow.edu) or call (760)252-6801.

#### **Servicemembers Opportunity College Services (SOC)**

**Building 285, Fort Irwin**

**760-252-2411 ext. 7601**

In recognition of the special efforts extended to meet postsecondary needs of Service members, veterans and their dependents, Barstow Community College has been designated a Servicemembers Opportunity College by the American Association of Community and Junior Colleges. As much as 80% of graduation requirements may be completed at other colleges and/or through nontraditional methods. Barstow Community College will honor SOC agreements for a period of three years, thereafter a re-evaluation and current catalog requirements will be imposed.

#### **Student Email Address**

**[Login.barstow.edu](http://Login.barstow.edu)**

Barstow Community College will provide a college email account to each admitted student. The primary purpose of these accounts is to ensure a standardized channel for faculty and staff to communicate with students as needed. Official college communications sent to all students will include reminders of important dates such as registration information, waitlist notifications, financial aid awards, deadlines to pay tuition fees, apply for graduation, etc. Students are responsible for checking their official student email regularly and reading college-related communications.

#### **Student Housing**

Barstow Community College does not maintain student housing.

#### **Student Life and Associated Student Government**

**[www.barstow.edu/Student-Life.html](http://www.barstow.edu/Student-Life.html)**

**Norman Smith Student Services Building**

**760-252-2411 ext. 7374**

Student Government at the college is represented by the Associated Student Government (ASG). Administrative officers and student senators are elected annually and are provided with practical leadership training and education in the functions of government. In addition, the ASG elects its own student trustee to the District Board of Trustees. ASG is afforded a variety of opportunities to participate in various college-wide committees and task forces. All these activities serve to provide students with opportunities to participate in the decision-making and policy-making processes of the college.

Student activities at the college provide a rich variety of opportunities to participate in the planning, development, and implementation of a wide variety of educational, cultural, social, and recreational activities. Activities are offered in the game room, which is open Monday – Friday, except during the summer.

## **Honor Societies**

### *Alpha Gamma Sigma*

Alpha Gamma Sigma, or AGS, is the California Community College Scholastic Honor Society. The Greek letters in the name were selected because they are the initials from Greek words whose meanings represent the motto of AGS: "Add to good character, knowledge and judgement." ALPHA stands for "arête" meaning "excellence;" GAMMA stands for "gnosis" meaning "knowledge;" and SIGMA stands for "sophrosyne" meaning "wisdom." The purpose of AGS is to foster, promote, maintain, and recognize scholarship. The function of the state organization is to encourage local chapters to develop, in themselves or in cooperation with other chapters, programs offering cultural, social, or enrichment experiences as part of the total experience of community college students. The state organization annually awards scholarships to members and encourages chapters to provide opportunities for participation in service activities and to award scholarships of their own.

Temporary membership may be granted to all students entering BCC and all Life Members of the California Scholarship Federation. In addition, high school graduates who earned a minimum cumulative GPA of 3.5 will be offered a temporary membership in AGS. Continuing membership may be attained by achieving not less than a 3.0 GPA in the previous semester in courses of recognized college standing.

### *Phi Theta Kappa*

Phi Theta Kappa is the international honor society of the community college system worldwide. Its central mission is to encourage scholarship among two-year college students. To achieve this purpose, Phi Theta Kappa provides opportunity for the development of leadership and service, for an intellectual climate for exchange of ideas and ideals, for lively fellowship for scholars and for stimulation of interest in continuing academic excellence. Students achieving a 3.5 cumulative grade point average for a total of 12 or more college transfer-level courses will be invited to join Phi Theta Kappa. As an international organization, members have access to thousands of scholarship opportunities, and many private four-year colleges have specialized programs for the recruitment of Phi Theta Kappa members.

## **Vocational and Technical Education (VTEA)**

The VTEA program assists eligible vocational students majoring in any of the following areas: Accounting, Administration of Justice, Automotive Technology, Business, Computer and Business Information Systems, Cosmetology, Diesel Technology, Early Childhood Education, Heating, Ventilation, and Air Conditioning, Industrial Maintenance Electrical and Instrumentation, Industrial Maintenance Mechanic Technology, Management, Photography, Warehouse and Logistics and Welding. Students must be CCPG-eligible and enrolled in a qualified vocational class. VTEA provides book loans and academic/vocational counseling.

## **Welcome Resource Center**

### **Norman Smith Student Services Building**

**[https://www.barstow.edu/admissions-aid/welcome-barstow-community-college-](https://www.barstow.edu/admissions-aid/welcome-barstow-community-college-welcome-resource-center)**

**[welcome-resource-center](https://www.barstow.edu/admissions-aid/welcome-barstow-community-college-welcome-resource-center) 760-252-2411 ext. 6796/[welcome@barstow.edu](mailto:welcome@barstow.edu)**

The Welcome Resource Center is a convenient "one-stop shop" where new students can find the information, services, and support they need to make a smooth transition to BCC. The Welcome Resource Center has advisors available to answer questions and assist new students with admission and enrollment processes. At the Welcome Resource Center, new students can:

- Get help to resolve any admission or enrollment issues.
- Take part in one-on-one and small-group counseling sessions.
- Use computers to apply to BCC, enroll in classes, complete their online orientation, and access their education plans.

Tours of the Barstow Community College campus can be arranged through the Welcome Resource Center.

# LEARNING SUPPORT SERVICES

## Learning Resource Center (LRC)

[www.barstow.edu/Learning-Resource-Center.html](http://www.barstow.edu/Learning-Resource-Center.html)

The mission of the Learning Resource Center (LRC) is to support the instructional and student support needs of the campus community by providing the following:

## Library

<http://www.barstow.edu/Library.html> 760-252-2411 ext. 7270/[DG\\_Library@Barstow.edu](mailto:DG_Library@Barstow.edu)

Approximately 42,000 books, 150 magazine titles, 1,200 audio-visual materials (DVDs, videotapes, and musical recordings), and a selection of electronic databases and e-books can be accessed in the library or remotely. In addition, the library provides quiet spaces to study, study rooms for group work, and access to over 40 computers. Please contact the library to obtain passwords for remote access to electronic resources. Most books and some DVDs can be checked out. Reserve and reference items cannot be checked out. The library also has textbooks reserved for student use. The library can assist with research and answer students' reference questions in person, via email, or over the phone.

## Teaching and Learning Support Center (TLSC)

### LRC

760-252-2411 ext. 7288/[TLSC@Barstow.edu](mailto:TLSC@Barstow.edu)

<http://www.barstow.edu/Tutorial.html>

The Teaching and Learning Support Center (TLSC) is a comfortable and collaborative learning environment that provides various resources and services designed to help students succeed including:

- Tutorial Services – tutoring is free to all students in Math, English, and many other subject areas.
  - By Appointment – to ensure time with a tutor, students are encouraged to make appointments with a tutor. Appointments can be made online through SARS on the Single Sign-on Portal, by phone or by email.
  - Walk-in Tutoring – peer tutors are generally available to take walk-ins, so even if students do not have appointments, they are welcome to walk-in and see if any tutors are available. While waiting for a tutor to become available, students are encouraged to use the NetTutor online tutoring service or many of the online resources available to them.
  - One-on-One or Group Tutoring – One-on-one tutoring is generally the preferred method for most students. However, group tutoring is also available to students who want to get tutoring as a group.
  - Remote Tutoring – many peer tutors are available to provide tutoring services remotely. This means that students can schedule appointments for remote tutoring if they have access to a computer with a webcam and reliable Internet via SARS on the Single Sign-on Portal
  - Online Tutoring Services – in addition to peer tutoring, students also have access, free of charge, to NetTutor, an online tutoring service.
  - Embedded Tutoring – some courses offered have embedded tutors that can provide additional assistance to students.
- Test Proctoring Services – On-site exam proctoring is available in the TLSC as well as at Fort Irwin. Please contact the TLSC for details.
- Access to Counseling and Instructional Faculty – in addition to the availability of Counseling and Instructional Faculty during their regular office hours, many of them are also available in the TLSC to provide academic advisement and assistance to students.
- The TLSC also provides the following:
  - Academic skills workshops and orientations
  - Study Hall
  - Basic computer assistance
  - Canvas login and navigation assistance
  - Single Sign-on and password reset assistance
  - Assistance with email and Office 365 (Word, Excel, PowerPoint, etc.)
  - Access to computers, Smartboard, copy machine, printer, and scanner

- Access to and assistance with a variety of learning resources

### **The Distance Education and Instructional Technology Department**

#### **L-14 LRC**

**760-252-2411 ext. 7319/[DG\\_OnlineOffice@barstow.edu](mailto:DG_OnlineOffice@barstow.edu)**

Barstow Community College offers a comprehensive distance education program that includes fully online, hyflex, and hybrid courses. Additionally, many of the face-to-face course offerings are enhanced with Canvas and other instructional technologies. The mission of the Distance Education and Instructional Technology Department (DEITD) is to enhance the teaching and learning process by providing support and training to faculty, staff, and students in the use of instructional technologies.

### **Fort Irwin**

**Building 285 Barstow Road, Fort Irwin, CA 760-252-2411 ext. 7601/[FtIrwin@Barstow.edu](mailto:FtIrwin@Barstow.edu)**

Barstow Community College also offers classes at the National Training Center at Fort Irwin. Student support services, such as counseling, tutoring, and exam proctoring are also offered at the Fort Irwin satellite campus.

## **ACADEMIC POLICIES**

### **Academic Standing**

#### *Probation*

Each student is entitled to be notified of his/her/their academic difficulty and the availability of college support services to respond to the academic difficulty before the student is dismissed. Notification will consist, at a minimum, of the following: At the end of the semester in which the student's GPA falls below 2.0 in all units attempted, a notice that the student is on probation shall be sent to the student informing him/her/them that he/she/they is on probation. "All units attempted" is defined as all units of credit for which the student is enrolled in at the community college they attend.

If the percentage of a student's recorded entries of "W," "I," "NC" and "NP" reaches or exceeds 50% of all units in which a student has enrolled, the student shall be placed on progress probation.

At the end of the second semester in which the student is on academic or progress probation, a notice that the student is subject to dismissal will be sent to the student informing him/her/them that he/she/they is subject to dismissal and to continue enrollment, must meet with a counselor prior to the Friday before classes begin for the upcoming semester. Failure to meet with a counselor will result in dismissal and the student will be administratively dropped from all classes for the upcoming semester.

#### *Probationary Letter*

The letter notifying the student of probation will cover the significance of probation and description of services available.

#### *Removal from Probation*

A student on academic probation shall be removed from probation when the student's cumulative grade point average is 2.0 or higher.

A student on progress probation shall be removed from probation when the cumulative percentage of entries of "W," "I," "NC" and "NP" no longer reaches or exceeds 50%.

#### *Standards for Dismissal*

A student who is on academic probation shall be subject to dismissal if the student has earned a cumulative GPA of less than 2.0 in all units attempted in two consecutive semesters. A student who has been placed on probation shall be subject to dismissal if the percentage of units in which the student has been enrolled, for which entries of "W," "I," "NC," and "NP" are recorded in two consecutive semesters, reaches or exceeds 50%.

#### *Dismissal Letter*

The letter notifying the student that he/she/they is subject to dismissal will reference this procedure, explanation of what dismissal means, procedure for reinstatement, and procedure to appeal the dismissal.

#### *Appeal of Dismissal*

The student has the right to appeal a proposed dismissal action if the student feels that facts exist that warrant an exception to the dismissal action.

#### *First Level Dismissal Status*

The student must meet with a counselor prior to the Friday before classes begin to be readmitted and continued on probation. If the student fails to meet with a counselor prior to the Friday before classes begin, the student will be dismissed and administratively dropped from any classes for which enrollment has occurred for the upcoming semester.

#### *Second Level Dismissal Status*

If a student has previously been continued on probation after dismissal but does not make significant academic progress (semester GPA of 2.0 and/or the percentage of units in which the student has been enrolled, for which entries of "W," "I," "NC" and "NP", must be less than 50%), the student will be dismissed. If the student feels that facts exist that warrant an exception to the dismissal action, the student must file a written petition to Admissions and Records within one week after the dismissal letter was mailed. If the student fails to file a written petition within one week, the student waives all future rights to appeal the dismissal action. It is the student's responsibility to indicate on the petition a clear statement of the grounds on which continued enrollment should be granted and to provide evidence supporting the reasons. Petitions will be reviewed by the Academic Exceptions Committee.

The student will be continued on probation until the Academic Exceptions Committee decides on the student's appeal. The decision of the Academic Exceptions Committee will be communicated to the students in writing by the Director of Enrollment Services. The Director will notify the student of its action within two weeks of receipt of the student's appeal. The student may appeal the decision of the Academic Exceptions Committee in writing to the Vice President of Student Services, within five working days of the date of notification of the decision of the Academic Exceptions Committee. The decision of the Vice President of Student Services is final.

#### *Standards for Evaluating Appeals*

Dismissal appeals may be granted under the following circumstances:

- If the dismissal determination is based on the academic record for one semester in which the record does not reflect the student's usual level of performance due to accident, illness, or other circumstances beyond the control of the student. Verification should be submitted with the appeal.
- The student enrolls in a corrective program designed to assist him/her/them in improving academic skills, such as obtaining academic counseling, and/or limiting course load.
- When there is evidence of significant improvement in academic achievement.

#### *Re-Admission after Dismissal*

In considering whether students may be re-admitted after a dismissal and two semesters absence, the following criteria will be considered:

- Documented extenuating circumstances (considered during appeal).
- Marked improvement between the semesters on which disqualification was based.
- Semesters on which disqualification was based were atypical of past academic performance.
- Formal or informal education experiences since completion of semesters on which disqualification was based.
- Improved GPA because of grade changes, fulfillment of incomplete courses, or academic renewal.

#### **Course Repetition**

Generally, students may take a course only once. Students may repeat a course if:

- The course is required to meet a legally mandated training requirement as a condition of paid or volunteer employment.

- If there has been a significant lapse of time of no less than 36 months and
  - BCC has established a recency requirement for a course or program OR
  - The institution the student is transferring has an established recency requirement that the student cannot satisfy without repeating the course.
- The student has earned a substandard grade (D, F or NP), or was assigned a withdrawal.
  - The student may attempt the course two additional times to successfully complete the course.
    - A fourth enrollment may be granted by the Academic Exceptions Committee if the student has documented extenuating circumstances of why they did not complete successfully during the third attempt.
      - Documented circumstances include verified cases of accidents, illness, or other circumstances beyond the student's control that prevented completion of the course. The student must submit required documentation with the repetition request.

In cases where the student earns a letter grade in the subsequent attempt, the most recent grade earned will be computed in the cumulative GPA and the student's record so notated.

Courses in which an incomplete has been recorded may not be repeated until an evaluative grade has been recorded. Student permanent records shall reflect all work attempted so that the student's transcripts are a true and complete academic record. Students must submit the [Petition to Repeat a Class form](#).

### **Academic Renewal (without Course Repetition)**

Academics renewal provides students the opportunity to reverse the negative impact of previous substandard performance at Barstow Community College without course repetition. To qualify for academic renewal:

- A period of 12 months must have elapsed between the period since the end of the term of the substandard work to be disregarded.
- Must not have received any "F" grades that have not been renewed after the twelve-month period has elapsed.
- A maximum of 30 units may be alleviated.
- Courses that have already been removed from GPA calculation through course repetition will not be renewed.
- Only substandard grades of "D", "F", "FW", "NC", or "NP" can be disregarded.
- A student may only petition for academic renewal once.
- Since completion of the work to be disregarded, student's cumulative GPA for all units completed at the time of adjustment must be one of the following:
  1. Completion of a minimum of 9 semester units with a minimum GPA of 3.5; OR
  2. Completion of a minimum of 12 semester units with a minimum GPA of 3.0; OR
  3. Completion of a minimum of 15 units with a minimum GPA of 2.5.
  4. Completion of a minimum of 20 units with a minimum GPA of 2.0.

Academic renewal is irreversible. Action taken under this regulation will not remove the courses, units, grades, or any other information from the official transcript. Academic renewal granted at BCC does not guarantee that other institutions will recognize such action. To request academic renewal, the student should complete the [Academic Renewal petition](#) and meet with a counselor.

### **Student Honors**

#### *Dean's and President's Lists*

At the close of the fall and spring semesters, the Dean's and President's Lists are compiled. Students who have earned six or more graded units and have achieved a semester GPA of 3.5 or higher are placed on the Dean's List. Students who have earned 12 or more graded units and have achieved a semester GPA of 3.75 or higher are placed on the President's List.

#### *Graduation Honors*

The following graduation honors are assigned to those who fulfill the requirements for Certificates and Associate degrees and earn the following cumulative GPA for all units applied toward the degree:

- **Summa Cum Laude**-3.75 GPA or higher
- **Magna Cum Laude**-3.5 to 3.74 GPA
- **Cum Laude**-3.25 to 3.49 GPA

The GPA used to determine the student's honors status for commencement shall be based on the student's cumulative GPA at the end of the semester preceding graduation for spring graduates and the end of the semester of graduation for summer and fall graduates. The GPA used to determine the honors reflected on the student's diploma and academic transcript shall be based on the student's cumulative GPA as of the end of the semester of graduation.

## **Course Drops and Withdrawals**

### *Dropping Courses*

Should it become necessary to withdraw from a class, it is the student's responsibility to drop online. Failure to withdraw officially from a class will result in a failing grade. Drop deadlines are listed on the student's Schedule and Account Information page by logging into their personal account. Drop deadlines are mandated by the State of California and Barstow Community College administrative procedures. Separate deadline dates are listed for fee refunds (10% of class meetings), dropping without a "W" (approximately 20% of class meetings), and dropping with a "W." Deadlines should be adhered to and failure to do so may result in a failing grade or owing fees. Students may drop classes and still receive a "W" if the drop occurs before 75% of the total days the course meets has elapsed.

"W's" are considered honorable withdrawals and will not be used in calculating grade point averages. However, excessive "W's" will be used as factors in determining progress probation and dismissal status.

### *Dropping After the Drop Deadline*

A student must have documented circumstances beyond his/her/their control to initiate a drop after the published deadline. Examples of circumstances beyond the control of the student may include, but are not limited to, accidents, illness, change in work schedule, or other documented circumstances. Students should complete the [Request for Excused Withdrawal Form](#) and submit it to Admissions and Records. Requests will not be processed if initiated two years after the end of the semester in question.

## **Attendance**

Barstow Community College places high importance on regular and punctual class attendance. Students are responsible for adhering to the attendance requirements established by their instructors, which are typically outlined in the course syllabus.

### *Student Responsibilities*

- It is the student's responsibility to attend all class meetings and to drop any course they no longer plan to attend. Failure to officially withdraw may result in a failing grade (F or NP) and continued financial liability for course fees.
- Not attending a class does not absolve a student of payment obligations. Students are responsible for all fees incurred unless courses are dropped by the published refund deadline.
- There is no such thing as an "excused absence" in college. If you anticipate being absent, notify your instructor in advance to arrange for missed assignments or exams. Unanticipated absences should be reported to your instructor immediately upon return.

### *Communication with Instructors*

- Contact instructors directly via email, voicemail, or by leaving a message in their mailbox located in the Administration Building.
- Review each course syllabus carefully for the instructor's attendance, tardiness, and participation policies.

### *Arriving Late or Instructor Absence*

- Arrive to class on time to avoid disruption. If an instructor is absent and there is no notice posted, students are expected to wait 15 minutes. If the instructor does not arrive, contact the Office of Academic Affairs at 760-252-2411 ext. 7223.

### *No-Show and Census Participation*



- State regulations require instructors to drop students who are considered “no-shows”—those who do not attend or participate before the census date (approximately 20% of class meetings).
- Instructors may also drop students who fail to attend the first class meeting. If you are unable to attend the first meeting, you must contact your instructor in advance to request that your seat be held. Instructors are not obligated to grant this request.

#### *Instructor Drops and Reinstatement*

- If you are dropped as a “no-show” but believe you attended the class, you may petition for reinstatement by submitting a Late Add Petition to the instructor.
- If the instructor verifies your attendance, they will forward the form to Admissions and Records for processing.
- Students who miss the census and are dropped for non-participation may not be re-added unless the drop was in error.

### **Auditing Courses**

Students may attend regular college classes for no credit. The following conditions apply:

- The student must be eligible for admission.
- The instructor must approve.
- Space must be available. Credit students have priority; therefore, auditing students may register only after the second-class meeting.
- Audit status may not be changed to regular status or vice versa.
- The \$15 per unit audit fee is non-refundable.
- Out-of-state tuition is not charged.
- Students who carry ten or more units will not be charged for auditing three or fewer units.

### **Grades, Units and Transcripts**

#### *Grading System*

Evaluation of student achievement relates to the attainment of specified course objectives. At the beginning of each course, student learning objectives, along with the basis for the determination of the grades, are specified in the course syllabus.

The following symbols shall be used:

<b>A</b>	Excellent
<b>B</b>	Good
<b>C</b>	Satisfactory
<b>D</b>	Less than Satisfactory
<b>F</b>	Failing
<b>P</b>	<b>Pass:</b> At least satisfactory; units awarded not counted in GPA. Has the same meaning as “CR” as that symbol was defined prior to June 30, 2007.
<b>SP</b>	<b>satisfactory Progress:</b> Satisfactory progress towards completion of a Noncredit course.
<b>NP</b>	<b>No Pass:</b> Less than satisfactory or failing; units not counted in GPA. Has the same meaning as “NC” as that symbol was defined prior to June 30, 2007.
<b>UG</b>	Ungraded
<b>W</b>	<b>Withdrawal:</b> Not used in calculating GPA but shall be used in determining probation and dismissal.
<b>MW</b>	<b>Military Withdrawal:</b> Occurs when a student, who is a member of an active or reserve U.S. military service, receives orders compelling a withdrawal from courses. Upon verification of such orders, a withdrawal symbol will be assigned after 30% of the class. Military withdrawals shall not be used in calculating GPA or in determining progress probation and dismissal calculations.
<b>I</b>	<b>Incomplete:</b> Incomplete academic work for unforeseeable, emergency and justifiable reasons at the end of the term may result in an “Incomplete” symbol being entered in the student’s record. For more information, review the tutorial: <a href="#">Petition for Incomplete Grade</a>
<b>IP</b>	<b>In Progress:</b> Used only in those courses that extend beyond the end of the normal academic term. It indicates that the work is in progress, but the assignment of a grade must await its completion. The “IP” symbol shall not be used in calculating GPA.



<b>RD</b>	<b>Report Delayed:</b> Assigned by Admissions and Records when there is a delay in reporting a grade due to circumstances beyond the control of the student. The "RD" symbol shall not be used in calculating GPA.
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#### *Pass/No Pass*

Petitions to be graded on a Pass/No Pass basis must be submitted to Admissions and Records prior to 30% of class meetings. Pass/No Pass grades may not be converted to a letter grade after the deadline. Students electing Pass/No Pass grading must meet all course requirements. Units earned on a "P" basis satisfy college requirements for degrees and certificates but are disregarded in computing grade point average (GPA). No more than 50% of all transcript classes may be graded as Pass/No Pass. Students planning to transfer to a four-year institution are urged to check with a counselor to determine if units earned as Pass/No Pass are acceptable for transfer.

#### **Grade Points**

Academic achievement is reported in terms of grade point average (GPA). This is derived from the following weighted system:

A	4 grade points per unit earned
B	3 grade points per unit earned
C	2 grade points per unit earned
D	1 grade point per unit earned
F	0 grade points per unit earned

#### **Grade Point Average (GPA)**

All units and grade points are counted on a cumulative basis. A student's GPA is calculated by dividing the total number of grade points earned by the total number of units attempted in which a grade was assigned.

Incomplete grades are not used in computing GPA, which include the following: W, MW, P, NP, IP, and RD; however, W, NP and "Incomplete" are used in determining progress probation and dismissal status.

#### **Grade Notification**

Grades are available approximately two weeks after the end of each term. Students may receive grades in one or more of the following ways:

- By web: login to MYBCC at [www.barstow.edu](http://www.barstow.edu)
- In person: request an unofficial transcript in Admissions and Records or from any counselor.

#### **Grade Changes**

To protect the student from an arbitrary change of a grade earned in a course, Education Code Section 76224 states:

"When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor, and in the absence of mistake, fraud, bad faith, or incompetence, shall be final."

A student who thinks there is a grade error should first confer with the instructor concerning the error. Students having a grievance relative to a grade received from an instructor should follow the Student Rights and Grievance Procedure (AP 5530) available from the Office of Student Services.

In accordance with Title V (section 55024) a "W" shall not be assigned, or if assigned, shall be removed from a student's academic record, if a determination is made that the student withdrew from the course due to discriminatory treatment or due to retaliation for alleging discriminatory treatment or that the student withdrew because he/she/they reasonably believed that remaining in the course would subject him/her/them to discriminatory treatment or retaliation for alleging discriminatory treatment.

#### **Student Classifications**

<i>Fall/Spring Enrollment</i>	
Full-time student	12 or more units
Part-time student	Less than 12 units
Three-quarters time student	9.5-11.5 units

Half-time student	6-7.5 units
Less than half-time student	Less than 6 units
<i>Summer Enrollment</i>	
Full-time student	6 or more units
Part-time student	Fewer than 6 units

**Freshman:** student who has completed fewer than 30 units.

**Sophomore:** student who has completed 30 units or more.

**Graduate:** student who has been awarded an AA or AS, or a higher degree by a recognized collegiate institute.

### Maximum Units

To meet graduation requirements in four semesters, students must complete an average of 15 degree-applicable units each semester. During the fall and spring semesters, students may register for up to 18 units without approval. Students desiring to enroll in more than 18 units must have a 3.0 GPA and complete the Maximum Unit Increase Form.

During the summer session, students may enroll in 10 units or fewer without approval. Students desiring to enroll in more than 10 units must have a 3.0 GPA and complete the [Maximum Unit Increase Form](#).

### Unit of Credit

A unit of credit is earned based on one hour of lecture-recitation per week or on three hours of laboratory per week for one 18-week semester. In some physical education, art, drama, and music courses, a unit of credit is earned for each two hours of class time. In courses composed of learning activities resulting in combinations of lecture and recitation, independent and tutorial study or directed and individual laboratory experiences, the hours are equated with units of credit. The terms semester unit or hour and credit hour are synonymous.

### Conversion of Units

Quarter units of credit are converted to semester units by dividing the number of quarter units by one and one-half (1.5). Semester units of credit are converted to quarter units by multiplying the number of semester units by one and one-half.

### Transcripts

Transcripts of work at Barstow Community College will be furnished upon written request by the student. Students should allow up to ten (10) working days for processing. Students who attend Barstow Community College prior to 1993 should allow fifteen (15) working days to process. The first two official transcripts requested are provided without charge; if requested by paper, additional copies may be obtained at \$10 per copy. Students may also request same day rush service for \$14 for each separate address. Students may request transcripts online using the [Transcript Request Form](#). Transcripts requested online are \$7.50. When requested online, transcripts are typically mailed within three business days. Transcript charges are due and payable at the time of the request. Official sealed transcripts are sent to colleges, employers, government, or other agencies. Unofficial transcripts are available for student use and may be obtained online or from a counselor.

### Independent Study

Upon petition a student may be allowed to take a course as independent study if the following criteria are met:

- Course is not offered during the current term;
- Course is needed to meet graduation requirements for student's program of study; and
- Student is within one semester of completing graduation requirements.

To begin the petition process a student should meet with a counselor. It is the student's responsibility to secure an instructor and submit the completed application to the appropriate Dean of Instruction for approval.

### Class Schedule

Barstow Community College publishes a [Schedule of Classes](#) prior to each term that contains detailed information concerning registration, enrollment, and related administrative deadlines. Schedules are available online. The college reserves the right to make additions or deletions to the class schedule. Any class in which the enrollment is too small to justify continuance may be cancelled.

Barstow Community College classes are based on a 50-minute academic hour followed by a 10-minute break. Classes meet from one to five days per week (Monday – Saturday). Day classes begin at 6:00 a.m. and run to 4:50 p.m.; evening classes begin at 5:00 p.m. and run to 10:00 p.m.

### **Prerequisites, Corequisites, and Recommended Preparation**

Prerequisites, corequisites, and recommended preparation advice are listed with some courses in this catalog and the schedule of classes. A prerequisite is a course or assessment that must be completed before enrolling in a specific course. Satisfactory completion of a prerequisite course requires a grade of P, `C or better.

A corequisite is a course in which the student must be enrolled at the same time as a companion course. Corequisites are often used in science classes that include a lab. In some cases, a student may be allowed to complete the corequisite course in a prior semester.

A recommended preparation statement is a set of skills or a course that will significantly increase a student's probability of success but is not necessarily required for success.

If a student has completed a prerequisite or corequisite at another college or in high school, the student must submit a copy of the official transcript to Admissions and Records for clearance.

### **Challenging Course Requisites**

Students may challenge a requisite for any of the following reasons:

- A requisite course is not reasonably available over a period of several semesters.
- The student believes the requisite was established in violation of a regulation or district-approved process for establishing requisites.
- The student believes the requisite is discriminatory or is being applied in a discriminatory manner.
- The student believes he/she/they has the documented knowledge or ability to succeed in the course.

A student may challenge the requisite using the following process:

- Meet with a counselor to discuss the challenge process and obtain a challenge form if, appropriate:
  - Student submits challenge form to the counselor with appropriate supporting documentation at least five business days prior to the start of the class.
  - If the challenge is approved, the student can enroll in the course.
  - If denied, the student, if already enrolled, will be administratively withdrawn from the class.

The student may appeal following the grievance process set forth in Administrative Procedure 5530.

## **COLLEGE POLICIES, RULES & REGULATIONS**

### **Student Right-to-Know Disclosure**

**Completion Rate: 28.36%**

**Transfer Rate: 10.82%**

In accordance with the Student Right-to-Know and Campus Security Act of 1990 (Public Law 101-542), Barstow Community College makes its completion and transfer rates available to all current and prospective students. Beginning in Fall 2019, a cohort of first-time, full-time students seeking a certificate, degree, or transfer was tracked over a three-year period. The completion and transfer rates for this cohort are listed above.

Please note that these rates reflect only the outcomes for this specific cohort and do not represent the success rates of the entire student population. They also do not account for student outcomes occurring after the designated tracking period.

A Completer is defined as a student who earned a certificate or degree or became 'transfer prepared' - defined as having completed 60 transferable units with a GPA of 2.0 or higher – within the three-year period from Fall 2019 to Spring 2022. A 'Transfer Student' is defined as a student who transferred to another post-secondary institution before completing a degree, certificate, or becoming transfer prepared during the five-semester period from Spring 2020 to Spring 2022.

For more information about Student Right-to-Know rates and guidance on interpreting this data, visit the the California Community Colleges Student-Right-to-Know Information Clearinghouse : <http://srtk.cccco.edu/index.asp>.

### **Crime Awareness and Campus Security (Cleary Act)**

BCC is committed to a safe and secure work and learning environment. Information concerning occurrences of criminal and non-criminal acts for which records are required to be kept under the Crime Awareness and Campus Security Act of 1990 (as amended) and Education Code Section 67380 is published at <https://www.barstow.edu/consumer-information>.

### **Books & Materials**

The Federal Higher Education Opportunity Act (HEOA) requires Barstow Community College to provide students with the International Standard Book Number (ISBN), retail price, and/or other information (subject to change) about the required or recommended textbooks and supplemental materials for each course offered at BCC. Please go to [www.bkstr.com/barstowccstore](http://www.bkstr.com/barstowccstore) and click on "Textbooks" for details as well as other book-related information.

### **Computer Use**

Employees and students who use district computers and networks and the information they contain, and related resources, have a responsibility not to abuse those resources and to respect the rights of others. Users must respect software copyrights and licenses, respect the integrity of computer-based information resources, refrain from seeking to gain unauthorized access, and respect the rights of other computer users. Students failing to observe the college's Computer and Network Use Policy and Procedure 3720 will be subject to disciplinary action.

### **Federal Tax Credit**

Selected education expenses may be deducted from federal income taxes by qualifying students. As required by federal tax credit legislation, Barstow Community College ensures each registered student has access to a copy of IRS verification form 1098T (Tuition Statement) each year through my Barstow Portal. This information is also reported to the IRS. Students should be sure to have their correct Social Security number on file in the Admissions and Records Office for the sake of accurate reporting to the IRS. Students should check with their tax preparer to determine whether they are eligible to take advantage of this tax credit and the amount they may deduct from their federal and/or state taxes.

### **Name Changes, Date of Birth & Social Security Corrections**

Name changes will be recorded only for students who are currently enrolled. Documentation, such as a marriage license, court order, or naturalization papers, may be required for verifying a legal name change. Requests to have a student's name changed on official college records are submitted to Admissions and Records. Submit date of birth and Social Security Number corrections to Admissions and Records. Documentation substantiating correction will be required.

If the student completes a Free Application for Federal Student Aid (FAFSA), name, date of birth, and/or Social Security Number will be updated to reflect correct information provided on the FAFSA that has been verified through the Social Security Administration.

## **Student Conduct**

A student admitted to BCC has an obligation to conduct him/her/themself in a manner compatible with the social and educational functions of this institution. The District Superintendent-President, or his/her/their designee, shall establish procedures for the imposition of discipline on students in accordance with the requirements for due process of federal and state laws and regulations.

The procedures shall clearly define the conduct that is subject to discipline and shall identify potential disciplinary actions, including but not limited to the removal, suspension, or expulsion of a student.

The procedures shall be made widely available to students through the college catalog and other means. Regarding disciplinary action, all students shall be entitled to due process in accordance with Education Code Sections 66017 and 76037, and Board Procedure 5800.

The following conduct shall constitute good cause for discipline, including but not limited to the removal, suspension, or expulsion of a student.

1. Causing, attempting to cause, or threatening to cause physical injury to another person.
2. Possession, sale or otherwise furnishing any firearm, knife, explosive or other dangerous object, including but not limited to any facsimile firearm, knife or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from a district employee, which is concurred in writing by the District Superintendent-President.
3. Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Chapter 2 (commencing with Section 11053) of Division 10 of the CA Health and Safety Code, an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in CA Health and Safety Code Section 11014.5.
4. Committing or attempting to commit robbery or extortion.
5. Causing or attempting to cause damage to district property or private property on campus.
6. Stealing or attempting to steal district property or private property on campus, or knowingly receiving stolen district property or private property on campus.
7. Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the college or the District.
8. Committing sexual harassment as defined by law or by District policies procedures.
9. Engaging in harassing or discriminatory behavior based on race, sex (i.e., gender), religion, age, national origin, disability, sexual orientation, or any other status protected by law, including but not limited to verbal or written slurs or threats, physical attacks, or defacing property.
10. Willful misconduct which results in injury or death to a student or to college personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the District or on campus.
11. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent abuse of college personnel. Stalking, harassing, hazing, or abusing physically or verbally any College employee, any other student or visitor, or threatening to use force or violence against any member of the college community.
12. Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty.
13. Dishonesty; forgery, alteration or misuse of college documents, records, or identification; or knowingly furnishing false information to the District.
14. Unauthorized entry upon or use of college facilities.
15. Lewd, indecent, or obscene conduct on District-owned or controlled property, or at District-sponsored or supervised functions.
16. Engaging in expression which is obscene, libelous or slanderous, or which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises, or the violation of lawful District administrative procedures, or the substantial disruption of the orderly operation of the District.
17. Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
18. Violation of published College rules, policies, and/or procedures.

19. Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes, except as permitted by any district policy or administrative procedure.
20. Failure to comply with directions of College officials or law enforcement officers acting in the performance of their duties; failure to identify oneself or provide identification to these persons when requested to do so.
21. Violating College or CA Education Code regulations pertaining to student organization, distribution of literature, and place and manner of public expression.
22. Unauthorized use of the name of Barstow Community College.
23. Failure to pay financial obligations to the College or to agencies for which the College acts as agent, or failure to return College property.
24. Solicitation of funds for political action or political party campaigns in violation of Board Policy.
25. Failure to appear at a disciplinary hearing after being cited as a defendant or as witness by a College administrator on behalf of either a plaintiff, or by a defendant under citation.
26. Disobeying traffic or parking regulations.
27. Attending or attempting to attend class(es) when not enrolled in the College or in the class(es).
28. Interfering with the instructional process, administrative duties, or other College activities or programs.
29. Abuse of computing facilities or computer time, including but not limited to unauthorized entry into a file to use, read or change the contents or any other purpose; unauthorized transfer of a file; unauthorized use of another individual's identification or password; use of computing facilities to interfere with the work of another student, faculty member or College official; use of computing facilities to interfere with a College computing system; and/or violation of the BCC "Computer Use Contract."
30. Responsibility:
  - a. The Superintendent-President is responsible for establishing appropriate procedures for the administration of disciplinary actions. In this regard, refer to Administrative Procedure 5520, which will deal with matters of student discipline and student grievance.
  - b. The Vice President of Student Services will be responsible for the overall implementation of procedures which are specifically related to all non-academic, student related matters contained in Administrative Procedure 5520.
  - c. The Vice President of Academic Affairs will be responsible for the overall implementation of procedures which are specifically related to academic, student related matters contained in the Administrative Procedure 5520.
  - d. The Vice President for Human Resources will be responsible for the overall implementation of procedures which are specifically related to the prohibition of discrimination and harassment contained in Administrative Procedure 3430.

## **Academic Honesty**

### ***Academic Standards and Ethics***

- All assignments must be the student's own, original work.
- Plagiarism or other unethical behavior will result in a zero on the assignment.
- Plagiarism or cheating of any kind will not be tolerated and suspected cases will be reported and could result in suspension or expulsion.
- Plagiarism is the intentional use of the ideas or words of another person, Artificial Intelligence (AI), published writing, or of any other information taken from the internet, book, magazine, or another person without properly citing the original source.
- Plagiarism is not properly or fully citing words or ideas taken directly or paraphrased from an outside source, turning in work that has been written by another person/AI, even being given excessive assistance on assignments.
- Plagiarism is reusing or recycling papers written from one class in another class without explicit permission from the instructor.
- Also, ideas that are "borrowed" from people, internet, or textbooks must be cited.

- Academic Honesty is expected from all students at Barstow Community College. Dishonesty in the classroom or the laboratory, cheating, plagiarism or knowingly furnishing false information to the College are all grounds for discipline.

### **Drug and Alcohol Policy**

BCC is committed to maintaining a drug-free environment. Both the abuse and even moderate use of alcohol or illegal drugs can result in injury or death. While chronic issues are linked to long-term abuse, harm may also occur from a single instance of use. Alcohol and drug use can severely impair learning and motivation, disrupt the classroom environment, jeopardize physical and mental health, expose users to criminal penalties, strain families and relationships, and hinder educational success.

As such, BCC encourages all students to support and promote a drug-free learning environment by staying informed about college policies, utilizing referral resources, and understanding the serious legal, personal, and health consequences associated with substance use. If you or someone you know is struggling with alcohol or drug issues, confidential assistance is available on campus and through community agencies.

- **District Policy** - In compliance with federal and state law, it is strictly prohibited to manufacture, possess, use, sell, or distribute alcohol, narcotics, or other controlled substances on college property or at any college-sponsored activity. Violations are subject to disciplinary action.
- **BCC Legal Sanctions** – Students and employees of BCC are subject to both college regulations and California state law regarding alcohol and drug offenses. Students found to be under the influence of alcohol and/or drugs, or engaged in the sale or distribution of drugs on campus or at college-sponsored events, may face suspension, expulsion, and criminal prosecution. Employees found in violation may be placed on probation, terminated, and referred for criminal prosecution for the use, possession, or distribution of illegal drugs and/or alcohol on campus or at college-sponsored activities.

### **Prohibition Harassment Policy**

The District is committed to providing an academic and work environment that respects the dignity of individuals and groups. The District shall be free of sexual harassment and all forms of sexual intimidation and exploitation. It shall also be free of other unlawful harassment, including that which is based on any of the following: age, race, color, religion, ancestry, national origin, disability, gender, sexual orientation, or the perception that a person has one or more of the foregoing characteristics. Sexual harassment violates state and federal laws, as well as this policy, and will not be tolerated. It is also illegal to retaliate against any individual for filing a complaint of sexual harassment or for participating in a sexual harassment investigation, and retaliation constitutes a violation of this policy.

Sexual harassment is further defined as unwelcome sexual advances, requests for sexual favors, and other conduct of a sexual nature when:

- Submission to the conduct is made a term or condition of an individual's employment, academic status, or progress.
- Submission to or rejection of the conduct by the individual is used as a basis for employment or academic decisions affecting the individual.
- The conduct has the purpose or effect of having a negative impact upon the individual's work or academic performance, or of creating an intimidating, hostile, or offensive work or educational environment; or
- Submission to or rejection of the conduct by the individual is used as the basis for any decision affecting the individual.

Romantic or sexual relationships between supervisors and employees, or between administrators, faculty or staff members and students are discouraged. There is an inherent imbalance of power and potential for exploitation in such relationships. A conflict of interest may arise if the administrator, faculty, or staff member must evaluate the student's or employee's work or make decisions affecting the employee or student. The relationship may create an appearance of impropriety and lead to charges of favoritism by other students or employees. A consensual sexual relationship may change, with the result that sexual conduct that was once welcome becomes unwelcome and harassing. By

definition, sexual harassment is not within the course and scope of an individual's employment with the District.

The policy applies to all aspects of the academic environment, including but not limited to classroom conditions, grades, academic standing, employment opportunities, scholarships, recommendations, disciplinary actions, and participation in any community college activity. In addition, this policy applies to all terms and conditions of employment, including but not limited to hiring, placement, promotion, disciplinary action, layoff, recall, transfer, leave of absence, training opportunities, and compensation. For more information regarding this policy and the procedures involved, contact the Human Resources Director (for staff) at 760-252-2411 ext. 7277 or the Vice President of Student Services (for students) at ext. 7353.

### **Title IX Policy**

BCC is committed to supporting all regulations under Title IX of the Education Amendments of 1972. "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving federal financial assistance." Questions regarding Title IX policies can be directed to the Vice President of Human Resources.

### **Sexual Violence – Prevention and Education (AB 1088: Sexual Violence)**

Section 67385 of the Education Code requires that community college districts adopt and implement procedures to ensure prompt response to victims of sexual violence which occur on campus as well as providing them with information regarding treatment options and services. Any sexual violence or physical abuse, as defined by California law — whether committed by an employee, student, or member of the public — occurring on College-owned or controlled property, at College-sponsored or supervised functions, or related to or arising from College attendance or activity is a violation of District policies and regulations, and is subject to all applicable punishment, including criminal and/or civil prosecution and employee or student discipline procedures. To report criminal behavior occurring on a BCC campus, students should call 760-252-2411 ext. 7353; staff, faculty, and members of the public should call 760-252-2411 ext. 7232.

### **Student Grievances**

Barstow Community College is committed to resolving student concerns promptly and fairly. Students are encouraged to address issues informally whenever possible; however, formal complaints may be submitted in writing when necessary.

Students may file complaints for reasons including, but not limited to:

- Alleged violation of law or district policy/procedure
- Harassment or discrimination
- Mistreatment by college personnel
- Accessibility barriers or failure to provide accommodations

To initiate a complaint, students must complete the Student Complaint Form and submit it to the Office of Student Life and Conduct. Complaints must typically be submitted within one calendar year of the alleged incident. The office will coordinate the review or refer the matter to the appropriate department (e.g., Title IX Coordinator, Section 504 Coordinator, or Human Resources).

More information and complaint forms are available at: <https://www.barstow.edu/student-complaints-and-grievances>

### **Student Records and Privacy Rights**

In accordance with the Family Educational Rights and Privacy Act (FERPA) of 1974 and the California Education Code, students at Barstow Community College have the right to:

- Inspect and review their official education records by appointment during regular business hours.
- Request the correction of records they believe are inaccurate, misleading, or otherwise in violation of their privacy rights.



- Submit a written statement to be included in the record if the College does not amend the record as requested.
- Provide written consent before the College discloses personally identifiable information, except where FERPA permits disclosure without consent.

**Please note:** All documents submitted to Barstow Community College become the property of the College and will not be returned.

### **Disclosure Without Consent**

FERPA permits the release of information without student consent to “school officials” with a legitimate educational interest. School officials include:

- Barstow Community College employees
- Contractors, consultants, volunteers, or other outside parties performing services on behalf of the College
- Students serving on official committees or assisting another school official

A legitimate educational interest exists if the official needs to review a record to fulfill their professional responsibility.

The College may also disclose records without consent in other FERPA-authorized circumstances, such as:

- To another institution where the student seeks or intends to enroll
- In connection with financial aid
- To comply with a judicial order or lawfully issued subpoena
- For health and safety emergencies

### **Directory Information**

Barstow Community College has designated the following as “directory information” which may be released without prior consent:

- Student’s name
- Major field of study
- Participation in officially recognized activities and sports
- Dates of attendance
- Degrees and awards received
- Number of units enrolled

Students who wish to restrict the release of their directory information must file a written request with the Admissions and Records Office.

For full details on FERPA rights and procedures, including how to file a complaint, please visit:

[www.barstow.edu/student-right-privacy-ferpa](http://www.barstow.edu/student-right-privacy-ferpa)

### **Traffic and Parking Regulations**

Parking permits are not required at Barstow Community College. However, all vehicles using designated disabled parking spaces must display a valid state-issued placard or license plate, such as a DMV-issued Disabled Person (DP) placard or Disabled Veteran (DV) plate.

The campus speed limit is:

- 25 MPH on all campus roads (unless otherwise posted)
- 10 MPH in campus parking lots

Repeated violations of BCC traffic or parking regulations may result in disciplinary action in accordance with college policy.

# ACADEMICS

## **Transfer of Credit from Other Colleges**

Courses listed on official transcripts from regionally accredited colleges may be accepted for transfer to a degree or certificate program. Transcripts, once submitted, become the property of the College and will not be returned or released to any party, including the student.

Prior to submitting official transcripts, students should meet with a counselor to review unofficial transcripts to determine if any coursework is applicable to the current program of study. Once a counselor has affirmed that coursework is applicable, a student should submit official transcripts to Admissions and Records. Students will be notified when official transcripts are received. California Community College coursework will be automatically reviewed and posted for general education coursework. Students must meet with a counselor to complete the evaluation process.

Students may clear prerequisites without submitting official transcripts by submitting the [Prerequisite Validation Form](#) to Admissions and Records.

Students may use lower-division coursework from a regionally accredited institution to fulfill subject requirements of a comparable Barstow Community College course with approval from the articulation officer and transcript evaluator. Students may use lower-division coursework completed at another regionally accredited institution to fulfill program, general education, and/or elective unit requirements for the associate degree or certificate programs. Specifically, students may use lower-division coursework from another regionally accredited institution to fulfill any of the following:

- Course or program requirements applicable to a certificate or the major for an associate degree
- General education requirements for graduation, including approved courses in the same or equivalent general education areas from another California Community College; **and**
- Elective units needed to satisfy the 60-semester-unit minimum required for an associate degree

Although Barstow Community College may accept and apply lower-division coursework completed at another regionally accredited institution toward specific program, general education, and/or elective unit requirements for a Barstow Community College degree, the College cannot guarantee that the same coursework will transfer to or fulfill equivalent requirements at another institution.

Note: Students may not apply external coursework to meet the 12-unit residency requirement for graduation at Barstow Community College.

Students who have previously earned a bachelor's degree from a regionally accredited institution may be exempt from completing Barstow Community College's general education requirements.

## **Credit for Foreign Schools**

Students who have attended institutions outside the United States must submit an official transcript evaluation from a member of the National Association of Credential Evaluation Services (NACES), an organization licensed and bonded to evaluate foreign academic records. Transcripts evaluated by non-NACES agencies may be submitted for consideration through an appeal to the Vice President of Student Services. Students are strongly encouraged to meet with a counselor before purchasing an evaluation to determine whether foreign transcript evaluation will support their educational goals at Barstow Community College.

## **Credit for Military Service**

In accordance with the American Council on Education (ACE) Guide, Barstow Community College will allow a maximum of 30 semester units for military experience and training. Such units will be posted as "Military Credit" on the student's transcript following the completion of six units at the college. To apply for these units, the student must submit an official Joint Service Transcript (JST).

Completion of a minimum of one-year active duty with the Armed Forces of the United States, including completion of a basic or recruitment training program and receipt of an honorable discharge, provides six semester units of elective credit toward the associate degree.

To receive credit for military service, students must provide an original DD-214 or an official JST. The verification of this service credit may also be used to satisfy the subject and unit requirements for CSU GE Breadth Area E, Lifelong Learning and Self-Development.

### **Credit for Prior Learning**

Barstow Community College (BCC) awards Credit for Prior Learning (CPL) to students who demonstrate that previous academic, military, professional, or experiential learning meets the outcomes of approved college coursework. Students may petition for CPL in any of the following categories:

- Achievement of a satisfactory score on a qualifying Advanced Placement (AP), International Baccalaureate (IB), or College-Level Examination Program (CLEP) exam
- Satisfactory completion of a District-administered examination in lieu of course completion
- Satisfactory completion of an exam administered by another agency and approved by the appropriate discipline faculty
- Evaluation of Joint Services Transcripts (JST) or other approved military records
- Assessment of industry-recognized credentials
- Evaluation of a student-created portfolio
- Other pre-approved assessments authorized by the District

### **Eligibility Requirements**

To qualify for CPL, students must:

- Be currently registered at BCC
- Meet with a counselor to initiate CPL evaluation
- Ensure official transcripts or documents are on file with Admissions and Records, if applicable

Credit may be awarded only for courses listed in the BCC Catalog and must align with subject matter determined equivalent to the prior learning. Elective credit may be granted if no additional general education or program credits are needed to meet a student's educational goal. All course equivalencies must be approved by the appropriate discipline faculty.

Note: CPL does not satisfy the 12-unit residency requirement for graduation. Students may not earn CPL for courses in which they have previously earned a passing grade or are currently enrolled.

### **Assessment Categories and Procedures**

#### *Advanced Placement (AP)*

Students who earn a score of 3 or higher on a College Board AP exam may receive course or general education credit. Where a direct course match is not available, elective credit may be awarded. AP credit equivalencies are posted in the College Catalog.

#### *International Baccalaureate (IB)*

Students earning a satisfactory score on a District-approved high-level IB exam may receive credit. If no matching general education area exists, elective credit may be awarded. IB credit equivalencies are posted in the Catalog.

#### *College-Level Examination Program (CLEP)*

Students earning a satisfactory score on a District-approved CLEP exam may receive course or general education credit. CLEP credit equivalencies are posted in the Catalog.

### **Credit by Examination**

Students may petition to take a District exam in lieu of course completion if:

- The course is currently offered in the Catalog or Addendum
- The student has not previously earned a "C" or better or is not currently enrolled in the course
- The exam is prepared and evaluated by the appropriate discipline faculty

Credit by exam is not applicable toward Selective Service deferment, Veterans or Social Security benefits, or the 12-unit residency requirement.

### **Military Service/Training**

Students may receive credit based on recommendations from the American Council on Education (ACE) or the Military Articulation Platform (MAP), using verified records such as:

- JST, SMART, AARTS, CCAF, CGI, DLIFLC, DMDC, DD214/295, and others.

### **Industry Recognized Credentials**

Students may petition to receive credit for credentials evaluated and approved by discipline faculty. If credentials are not already approved:

- Students submit documentation to the Articulation Officer or designee
- The faculty reviews the credential for alignment with course content
- Upon approval, credit is granted and recorded by Admissions and Records

### **Student-Created Portfolios**

Students may request CPL for portfolios if:

- A discipline-approved portfolio rubric is on file
- The student submits a petition and meets with a faculty designee
- The portfolio is evaluated and determined to demonstrate mastery of course content

### **Other Pre-Approved Assessments**

Students may receive CPL for other assessments pre-approved by the District, including those authorized by the appropriate discipline faculty. Students should meet with the Articulation Officer or designee to initiate the process.

### **Transcription of Credit**

The student's academic record will be clearly annotated to indicate credit was earned through Credit for Prior Learning. Students have the right to accept, decline, or appeal the outcome of the CPL process.

### **Advanced Placement**

Barstow Community College currently awards credit for Advanced Placement Test Scores as follows:

<b>Advanced Placement Exam with Score of 3, 4, or 5</b>	<b>BCC Course Equivalency</b>	<b>BCC Unit Credit (Semester)</b>	<b>CSU Semester Units Earned Toward Transfer</b>	<b>UC Semester Units Earned Toward Transfer</b>	<b>Cal-GETC</b>
<b>Art History</b>	ARTS 1 and 3 elective units	6 units	6 units	5.3 units	Areas 3A or 3B
<b>Biology</b>	BIOL 2	4 units	6 units	5.3 units	Areas 5B and 5C
<b>Calculus AB</b>	MATH 4A	4 units	3 units	2.6 units	Area 2
<b>Calculus BC</b>	MATH 4A and MATH 4B	8 units	6 units	5.3 units	Area 2
<b>Chemistry</b>	CHEM 1A	4 units	6 units	5.3 units	Areas 5A and 5C
<b>Chinese Language &amp; Culture</b>	N/A	4 units	6 units	5.3 units	Area 3B
<b>Comparative Government and Politics</b>	POLI 2	3 units	3 units	2.6 units	Area 4

<b>Computer Science A</b>	CBIS 1	4 units	3 units	5.3	N/A
<b>Computer Science Principles</b>	N/A	N/A	3 units	2. 6 units	N/A
<b>English Language &amp; Composition</b>	ENGL C1000	4 units	6 units	5.3 units	Area 1A
<b>English Literature</b>	ENGL C1000 and ENGL 1B	7 units	6 units	5.3 units	Areas 1A or 3B
<b>Environmental Science</b>	BIOL 1	3 units	4 units	2.6 units	Areas 5A and 5C
<b>European History</b>	N/A	3 units	3 units	2.6 units	Areas 3B and 4
<b>French Language &amp; Culture</b>	N/A	4 units	6 units	5.3 units	Area 3B
<b>German Language &amp; Culture</b>	N/A	4 units	6 units	5.3 units	Area 3B
<b>Human Geography</b>	N/A	3 units	3 units	2. 6 units	Area 4
<b>Italian Language &amp; Culture</b>	N/A	4 units	6 units	5.3 units	Area 3B
<b>Japanese Language &amp; Culture</b>	N/A	4 units	6 units	5.3 units	Area 3B
<b>Latin</b>	N/A	4 units	6 units	5.3 units	Area 3B
<b>Macroeconomics</b>	ECON 1	3 units	3 units	2.6 units	Area 4
<b>Microeconomics</b>	ECON 2	3 units	3 units	2.6 units	Area 4
<b>Physics 1</b>	N/A	4 units	4 units	5.3 units	5A and 5C
<b>Physics 2</b>	N/A	4 units	4 units	5.3 units	5A and 5C
<b>Physics C-Mechanics</b>	PHYS 2A	4 units	4 units	2.6 units	5A and 5C
<b>Physics C-Electricity &amp; Magnetism</b>	PHYS 2B	4 units	4 units	2.6 units	5A and 5C
<b>Psychology</b>	PSYC C1000	3 units	3 units	2.6 units	Area 4
<b>Spanish Language &amp; Culture</b>	SPAN 1B	4 units	6 units	5.3 units	Area 3B
<b>Spanish Literature &amp; Culture</b>	N/A	4 units	6 units	5.3 units	Area 3B
<b>Statistics</b>	STATS C1000	4 units	3 units	2.6 units	Area 2
<b>Studio Art – 2D Design</b>	Arts 3	3 units	N/A	5.3 units	N/A
<b>Studio Art – 3D Design</b>	Arts 5	3 units	N/A	5.3 units	N/A

<b>Studio Art – Drawing</b>	Arts 7	3 units	N/A	5.3 units	N/A
<b>U.S Government and Politics</b>	POLS C1000	3 units	3 units	2.6 units	Area 4
<b>U.S. History</b>	Hist 2A	3 units	3 units	2.6 units	3B or 4
<b>World History</b>	HIST 8A	3 units	3 units	2.6 units	3B or 4
<b>World History Modern</b>	HIST 8B	3 units	3 units	2.6 units	3B or 4

-Actual AP transfer credit and the number of units awarded for AP exams towards CalGETC and towards admission is determined by the CSU and UC systems.

-The AP chart is based on the most current information available at the time of catalog publication.

-The UC system-wide Policy for AP credit (units towards admission) can be found at:  
<https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ap-credits/>

-The CSU system-wide policy for AP (units towards admission and towards CSU GE Breadth) can be found at:  
<https://www.calstate.edu/apply/transfer/Pages/External-Exam-Credit.aspx>

-Cal-GETC Version 1.2  
<https://www.cccco.edu/-/media/CCCCO-Website/docs/curriculum/calgetcstandards122024a11y.pdf?la=en&hash=F52572F7F2037840FEA49993779508FEB0DACBF7>

-Important Note: Each CSU and UC campus determines how an AP exam may count toward credit in a particular major and which scores they consider acceptable. This information may be found in either the university's college catalog or on their website. Students should see a counselor to review the applicability of AP credits towards the different academic requirements.

### CLEP Credit

Barstow Community College currently awards credit for the CLEP subject standardized testing as follows:

<b>CLEP Examinations</b>	<b>Minimum Scores</b>	<b>Satisfies BCC GE Area</b>	<b>BCC Semester Units</b>
<b>Humanities</b>			
American Literature	50	Humanities	3
Analyzing and Interpreting Literature	50	Humanities	3
English Literature	50	Humanities	3
French – Level 1*	50	N/A	0
French – Level 2*	59	Humanities	3
German – Level 1*	50	N/A	0
German – Level 2*	60	Humanities	3
Humanities	50	Humanities	3
Spanish – Level 1*	50	N/A	0
Spanish - Level 2*	63	Humanities	3
Spanish with Writing II	63	Humanities	3
<b>Social and Behavioral Sciences</b>			
American Government	50	Social and Behavioral Sciences	3
History, United States I	50	Social and Behavioral Sciences	3
History, United States II	50	Social and Behavioral Sciences	3
Human Growth and Development	50	Social and Behavioral Sciences	3
Introductory Psychology	50	Social and Behavioral Sciences	3

Introductory Sociology	50	Social and Behavioral Sciences	3
Principles of Macroeconomics	50	Social and Behavioral Sciences	3
Principles of Microeconomics	50	Social and Behavioral Sciences	3
Western Civilization I	50	Social and Behavioral Sciences	3
Western Civilization II	50	Social and Behavioral Sciences	3
<b>Science and Mathematics</b>			
Mathematics	50		
College Algebra	50	Math Competency	3
College Algebra - Trigonometry	50	Math Competency	3
Trigonometry	50	Math Competency	3
Calculus	50	Math Competency	3
Pre-Calculus	50	Math Competency	3
Biology	50	Natural Science	3
Chemistry	50	Natural Science	6
Natural Sciences	50	Natural Science	3
<b>Business</b>			
Introductory Business Law	59	N/A	3
Information Systems and Computer Applications	50	N/A	3
Principles of Management	50	N/A	3
Principles of Marketing	50	N/A	3
<p>Note: All CSU campuses will accept the minimum units toward fulfillment of the designated general education area if the examination is included in full or toward fulfillment subject area certification; individual CSU campuses may choose to accept more units than those specified towards the completion of the general education breadth.</p> <p>* If a student passes more than one CLEP test in the same language other than English (e.g., two exams in French), then only one examination may be applied to the associate degree or to the baccalaureate.</p> <p>N/A = Not Applicable</p>			

### DANTES Credit (DSST)

Barstow Community College currently awards credit for the DANTES subject standardized testing as follows:

<b>DANTES Examination</b>	<b>Minimum Scores</b>	<b>BCC Semester Units</b>	<b>BCC GE Credit/Area</b>
<b>Mathematics</b>			
Fundamentals of College Algebra	400	3	3 units/Mathematics
Math for Liberal Arts	400	3	3 units/Mathematics
Principles of Statistics	400	3	3 units/Mathematics
<b>Social Science</b>			
Art of the Western World	400	3	3 units/Humanities
Human/Cultural Geography	400	3	3 units/Social and Behavioral Sciences
Introduction to Law Enforcement	400	0	N/A
Human/Cultural Geography	400	3	3 units/Social and Behavioral Sciences
History of the Soviet Union	400	3	N/A
A History of the Vietnam War	400	3	3 units/Social and Behavioral Sciences
The Civil War and Reconstruction	400	0	N/A
Foundations of Education	400	3	N/A
Lifespan/Developmental Psychology	400	3	3 units/Social and Behavioral Sciences

General Anthropology	400	3	3 units/Social and Behavioral Sciences
Substance Abuse	400	3	N/A
Criminal Justice	400	3	3 units/Social and Behavioral Sciences
Fundamentals of Counseling	400	3	N/A
<b>Business</b>			
Principles of Finance	400	0	N/A
Human Resource Management	400	3	N/A
Organizational Behavior	400	3	N/A
Principles of Supervision	400	3	N/A
Ethics and Society	400	3	N/A
Introduction to Computing	400	3	N/A
Introduction to Business	400	3	N/A
Money and Banking	400	0	N/A
Personal Finance	400	0	N/A
Management Information Systems	400	3	N/A
Business Mathematics	400	3	N/A
<b>Physical Science</b>			
Astronomy	400	3	3 units/Natural Science
Health and Human Development	400	3	3 units/Natural Science
Environmental Science	400	3	3 units/Natural Science
Physical Geography	400	3	3 units/Natural Science
<b>Technology</b>			
Computing and Information Technology	400	3	N/A
Fundamentals of Cybersecurity	400	3	N/A
<b>Humanities</b>			
Ethics in America	400	3	3 units/Humanities
Introduction to World Religions	400	3	3 units/Humanities
Principles of Public Speaking	400	3	3 units/Oral Communication
Principles of Advanced English Composition	400	3	N/A
*DANTES Subject Standardized Test (DSST) is evaluated for credit at Barstow Community College only. Check with individual institutions for details. N/A = Not Applicable			

### INTERNATIONAL BACCALAUREATE (IB) EXAM CREDIT

Barstow Community College will grant credit for International Baccalaureate exams. A score of 5, 6, or 7 on a Higher-Level exam is required to grant credit for Cal-GETC Certification. An acceptable IB score for Cal-GETC or IGETC equates to either 3-semester or 4-quarter units for certification purposes.

Students who have earned credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both.

Please see a counselor about using IB exam scores and credits to meet graduation and/or transfer requirements.

To receive credit, students must:

1. Have successfully completed 12 units of residency at Barstow Community College
2. Have an official copy of their test scores sent to Admissions and Records

Barstow Community College currently awards credit for the International Baccalaureate Exam subject standardized testing as follows:

<b>International Baccalaureate Exam (IB)</b>	<b>Cal-GETC AREA</b>	<b>Local GE</b>
IB Biology HL	5B	5
IB Chemistry HL	5A	5
IB Economics HL	4	4



<b>International Baccalaureate Exam (IB)</b>	<b>Cal-GETC AREA</b>	<b>Local GE</b>
IB Geography HL	4	4
IB History (any region) HL	3B or 4	3 or 4
IB Language A: Literature HL (Any language except English)	3B	3
IB Language A: Lang & Lit HL (any language except English)	3B	3
IB Language A: Language & Literature HL (any language)	3B	3
IB Language B (any language) HL	N/A	N/A
IB Mathematics: Analysis & Approaches HL	2	2
IB Mathematics: Applications & Interpret HL	2 (select UCs only)	2
IB Physics HL	5A	5
IB Psychology HL	4	4
IB Theatre HL	3A	3

### **Educational Options**

Barstow Community College offers programs and courses designed to prepare students for a new career field or to upgrade work skills related to a current occupation; to earn an Associate Degree; an Associate Degree for Transfer (ADT) in Art (AA-T) or Science (AS-T); or to transfer to four-year colleges or universities.

### **Choosing a College Major**

A major is a field of study that students emphasize in their college education. It is what students “specialize” in with their degrees. It is important to remember that a major is what students will study at the university they transfer to. To narrow down options, students often begin to select their major by one of the following techniques:

- If students have an idea of a career field they want to enter, you can find majors that are related to, or prepare for, that career field. Majors and career fields are not always “perfectly matched.” However, knowing an intended career field can help narrow options.
- If students know what university they want to attend, they can select from the list of majors at that university. Lists of majors at California State Universities are available at [www.assist.org](http://www.assist.org).

### **Catalog Rights**

Catalog rights dictate that a student may satisfy the requirements of a degree or certificate by completing the general education and major or area of emphasis requirements in effect at any time of their continuous enrollment. Continuous enrollment is defined as enrollment in consecutive fall and spring semester until completion. A student is entitled to receive a degree or certificate provide the student has met all degree or certificate requirements consistent with catalog rights. If a student’s major includes course work that has been discontinued, the student must petition through a counselor the authorization of course substitutions. The “withdrawal” (W) symbol constitutes enrollment. If a student’s major includes course work that has been discontinued, the student must petition through a

counselor for the authorization of course substitutions. BCC may require a student changing majors to complete major requirements in effect at the time of the change.

### **Petitioning for Graduation**

Degrees and certificates are granted three times a year – at the end of the fall, spring, and summer terms. Students may petition to graduate once all required courses are completed or the student is enrolled in all required courses. Petitions may be submitted to Admissions and Records up until the published Graduation Deadline. Students may submit petitions after the published Graduation Deadline but will not be included in the Commencement program.

All degrees and certificates will be awarded after successful completion of all requirements and after the end of the semester in which the petition was submitted.

BCC is authorized to confer upon a student a degree or certificate without requiring the student to first petition for conferral. Admissions and Records shall establish a procedure by which it notifies potential awardees of the intent to confer the degree or certificate and avail the student of the opportunity for postponement by a specified deadline.

### **Multiple Degrees**

Students may earn more than one associate degree by completing additional major requirements for the subsequent degree. Courses used to fulfill general education requirements for the first degree will fulfill general education requirements for subsequent degrees.

For an associate degree for Transfer (AA-T or AS-T), students must complete the remaining major requirements and the California General Education General Education Transfer Curriculum (Cal-GETC) for the specific major of the subsequent degree.

### **Commencement**

Commencement exercises are held annually at the end of the spring semester. A student may participate in commencement exercises when all degree requirements have been met upon completion of his/her/their final semester of enrollment in required courses. Students who petition for summer may participate in the preceding commencement if they are completing requirements during the following summer, are enrolled in all required courses, and have petitioned, but should note that their information will not be included in the Commencement Program until the following year as the academic year is defined as summer, fall, and spring and will not be allowed to participate in the following Commencement. Students who participate in commencement but fail to complete their degree requirements will not be allowed to participate again for the same degree. Exceptions will be considered upon written petition to the Vice President of Student Services.

### **Transfer**

Students planning to enter a university or four-year college after attending Barstow Community College, commonly referred to as transfer students, should take note of the following recommendations:

Students should consult the catalog of the college or university they plan to transfer to for important information regarding requirements, major prerequisites, and general education or breadth requirements. It's especially important to identify courses that must be completed as preparation for the major, as well as those required within the major itself.

Remember that community college courses transfer to four-year colleges in terms of specific or elective credit depending upon the school and major selected. Refer to the ASSIST (Articulation System Stimulating Interinstitutional Student Transfer) website at [www.assist.org](http://www.assist.org), which is the official California statewide database listing a selection of campus-approved transfer agreements, general education requirements, and information on UC and CSU transferable courses and major preparation. Students are advised to contact a BCC counselor for more information, and for details regarding other transfer agreements and options not available on ASSIST for other college choices.

Students should note policies regarding the maximum number of units which may be transferable. A maximum of 70 transferable units completed at the community college level may be applied toward the total number of units required for a bachelor's degree by the University of California or the California



# ***BARSTOW COMMUNITY COLLEGE***

***2025-2026 COURSE CATALOG***

***LEVEL UP AND UNLOCK  
NEW OPPORTUNITIES***

# TABLE OF CONTENTS

<b>ACADEMIC CALENDAR</b>	1
Locations	1
<b>PRESIDENT'S WELCOME/BOARD OF TRUSTEES</b>	2
<b>GENERAL INFORMATION</b>	3
Accreditation	3
Open Enrollment	3
Non-Discrimination Policy	3
Academic Freedom	3
Academic Accommodation and Information Technology for Students with Disabilities	4
BCC Vision, Mission, Values & General Education Philosophy	5
2025-2030 Strategic Plan for Transformational Improvement	6
History and Description of BCC	7
<b>ADMISSIONS &amp; ENROLLMENT INFORMATION</b>	9
Admissions	9
Residency Requirements	9
Steps to Become a Student	14
Special Admission of Minor Students	14
International Students	14
Priority Registration	16
Adding Courses	17
Waitlist Policy	17
<b>FEES &amp; TUITION</b>	17
Enrollment Fee	18
Non-Resident Tuition	18
Supplemental Fees	18
Refund Policy	19
Outstanding Financial Obligations	19
<b>SERVICES</b>	20
Counseling & Student Success Services	20
Financial Aid & Scholarships	21
Special Programs	26
Support Services	27
Learning Support Services	32
<b>ACADEMIC POLICIES</b>	33
Academic Standing	33
Course Repetition	34
Honors	35
Drops & Withdrawals	36
Attendance	36
Grades	37

Prerequisites, Corequisites and Recommended Preparation	40
<b>COLLEGE POLICIES, RULES &amp; REGULATIONS</b>	40
Student Right-to-Know Disclosure	40
Crime Awareness	41
Books & Materials	41
Computer Use	41
Student Conduct	42
Drug & Alcohol Policy	44
Prohibition of Harassment	44
Title IX Policy	45
Sexual Violence	45
Student Grievances	45
Student Records & Privacy Rights	45
<b>ACADEMICS</b>	47
Transfer of Credit	47
Credit for Foreign Schools	47
Credit for Prior Learning	48
Credit for Test Equivalencies	48
Educational Options	54
Catalog Rights	54
Graduation	55
Multiple Degrees	55
Degree/Certificate Requirements	56
California General Education Transfer Curriculum (Cal-GETC)	58
Barstow Community College General Education Requirements	59
<b>PROGRAMS OF STUDY</b>	60
<b>COURSE INFORMATION</b>	138
<b>APPENDICES</b>	
Appendix A: Administration	214
Appendix B: Full-Time Faculty	215
Appendix C: Staff	217



State University. Subject credit for transferable courses in excess of 70-units may also be granted to satisfy university graduation requirements. Any courses accepted as equivalent to those offered in lower-division by the transfer university completed at the community college, even if beyond the 70-unit maximum, will be applied where needed to meet specific lower-division major and/or general education/breadth requirements. Students are strongly advised to complete all courses designated as required lower-division preparation for the major prior to transfer, especially where admission to the major is contingent upon completion of specific courses.

Students are encouraged to take advantage of opportunities to meet with college and university representatives who visit the Transfer Center throughout the academic year.

The Transfer Center also offers a variety of resources available from the University of California, California State University, and other institutions to assist with transfer planning and research. Students should also visit college and university websites to access the most current catalog information.

All students must assume complete responsibility for compliance with regulations and instructions set forth in university or college catalogs for their intended transfer institution, and for selecting the courses which will permit them to meet their educational objectives and for satisfying prerequisites for any programs or courses which they plan to take for transfer.

### **Associate Degrees for Transfer (ADT) Requirements**

ADTs are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing to the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college 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 or 90 quarter units.

The following are required for all AA-T and AS-T degrees:

- Completion of a minimum of 60 CSU-transferable semester units.
- Earn a minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. (While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information).
- Completion of all required courses identified as part of an AA-T or AS-T as indicated in the College Catalog with a "C" or better (or a "P" if the course is taken on a "pass/no pass" basis).
- Completion of the California General Education Transfer Curriculum (CalGETC) pattern general education requirements.

BCC offers several associate degrees for transfer. To view the most current list of BCC's Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please meet with a counselor or view online at [www.barstow.edu/student-services/transfer-career-center/articulation-agreementstransfer-guarantees](http://www.barstow.edu/student-services/transfer-career-center/articulation-agreementstransfer-guarantees).

### **Credit Certificate Requirements**

Barstow Community College shall award certificates to students who fulfill the following requirements:

- Completion of all course work in a designated certificate program with a "C" or better.
- Completion of a minimum of 12 units at Barstow Community College or all required coursework if less than 12 units.

#### *Certificates of Career Preparation*

Awarded after completing specific courses related to a specific occupational area. They are intended for students seeking quick employment or job skills in a specific career field. Certificates of Career Preparation are awarded for programs of at least six, but less than 16 units, which are approved locally. Certificates of Career Preparation are not posted to student transcripts. Certificates of Career Preparation are not eligible for financial aid.

#### *Certificate of Achievement*

Certificates of Achievement are presented to students who satisfactorily complete certain business, vocational, and technical programs that are part of the programs approved by the California Community Colleges Chancellor's Office. The required units range from 12-18 or more. They are intended for students seeking employment, improving their job skills, or pursuing career advancement in a specific career field.

### **Noncredit Certificate Requirements**

Barstow Community College shall award certificates to students who complete all course work in a designated certificate program.

#### *Certificate of Competency*

Certificates of Competency are intended for students who do not need credit for transfer but who wish to improve their basic skills in English or Mathematics or learn English as a second language.

#### *Certificate of Completion*

Certificates of Completion are intended for students who do not need credit for transfer but who wish to obtain the knowledge and preparation of skills needed for entry level positions in the workforce or to obtain short-term vocational skills needed for immediate employment.

### **Associate Degree Requirements**

The educational objectives and intellectual interests of students working for an associate degree may differ; however, the awarding of the degree is based on the concept that students must achieve a defined minimum level of knowledge. The granting of the degree assures the community that the individual has acquired those common areas of knowledge and processes of thought and work that are expected of a community college graduate by the general populace. The program for obtaining the associate degree has been designed based on this philosophy.

The following requirements apply to all Associate of Art or Associate of Science degrees offered by Barstow Community College:

#### *Unit Requirements*

A minimum of 60 semester units to include 18 units in the chosen program of study, 18 units in general education coursework, competency requirements, and any remaining units in elective course work. All major course work must be completed with a grade of "C" or better.

#### *Competency Requirements*

Must complete one course from each of the following areas with a grade of "C" or better.

- Written Communication: ENGL 1A
- Oral Communication: COMM 1 (formerly SPCH 1) or COMM 3 (formerly SPCH 3)
- Mathematics: MATH 55, 1, 2, 3, 4A, 4B, 4C, 5, 6, 7
- Humanities: Any one class from HUMA

#### *Scholarship Requirement*

An institutional and cumulative GPA of 2.0 or higher in all work attempted and grades of "C" or better in course work for the major.

#### *Residence Requirement*

Completion of a minimum of 12 semester units at the college. This requirement may be waived under the provisions of the Servicemembers Opportunity College.

#### *Associate Degree Option: Cal-GETC*

The general education requirements are the same as the requirements for the California General Education Transfer Curriculum (Cal-GETC). This pathway is designed for students who plan to transfer to a University of California campus (UC), California State University campus, or a private university.

#### *Associate Degree Option: Local*

The general educational requirements satisfy the local degree requirements and are designed for students who are planning to seek immediate employment after graduation. Students intending to transfer to a 4-year institution should follow the Cal-GETC option.

# CALIFORNIA GENERAL EDUCATION TRANSFER CURRICULUM 2025 - 2026 TRANSFER PATTERN

Completion of the California General Education Transfer Curriculum (Cal-GETC) ensures that a student does not need to take additional lower-division general education courses to satisfy campus general education requirements.

Courses used for certification must be completed with grades "C" or better and be a minimum of 3 semester units. A course cannot be certified unless it was on the Cal-GETC list during the year in which it was taken by the student. Students beginning in Fall 2025 must follow the 2025-2026 Cal-GETC requirements.

Partial Cal-GETC certification is allowed with a maximum of two courses missing, which have to be completed after transfer. Students need Areas 1 and 2 to meet minimum transfer admission requirements. Partial certification acknowledging a deficiency in Area 1 and/or Area 2 may also indicate a student does not meet the minimum transfer requirements.

<div> <b>AREA 1: ENGLISH COMMUNICATION (three courses — 9 semester units)</b> </div> <div> <b>1A - English Composition</b>                      English C1000 ESL College Composition and Reading 1A                 </div> <div> <b>1B - Critical Thinking and Composition</b>                      English C1001, Philosophy 1C                 </div> <div> <b>1C - Oral Communication</b>                      Communications C1000                 </div> <div> <b>AREA 2: MATHEMATICAL CONCEPTS AND QUANTITATIVE REASONING (one course — 3 semester units)</b> </div> <div>                     Mathematics 3, 4A, 4B, 4C, 4D, 5, 9, 10                      Statistics C1000                 </div>	<div> <b>AREA 5 – PHYSICAL AND BIOLOGICAL SCIENCES (two courses, one Physical Science and one Biological Science; at least one of the two courses must be associated with a laboratory — 7 semester units)</b> </div> <div> <b>5A - Physical Sciences:</b>                      Astronomy <u>1</u>                      Chemistry <u>1A</u>, <u>1B</u>, <u>2A</u>, <u>2B</u>, <u>3A</u>, <u>3B</u>, <u>10</u>                      Geology <u>1L</u>, 4                      Oceanography 1                      Physical Science <u>2</u>                      Physics <u>2A</u>, <u>2B</u>, <u>2C</u> </div> <div> <b>5B - Biological Sciences:</b>                      Biology 1, <u>2</u>, <u>4</u>, <u>5</u>, <u>8</u>, <u>20A</u>, <u>20B</u> </div> <div> <b>5C - Laboratory Science:</b>                      This requirement is satisfied by completion of any course in 5A or 5B with a laboratory. Lab courses are <u>underlined</u>.                 </div>
<div> <b>AREA 3 – ARTS AND HUMANITIES (two courses — 6 semester units)</b> </div> <div> <b>3A - Arts:</b>                      Arts 1, 2, 13A                      Humanities 1, 4                      Music 2, 3                 </div> <div> <b>3B - Humanities:</b>                      Arts 13A                      English 1B, 2, 3, 4, 5, 6, 11, 12, 12B, 13A                      History 1A, 1B, 8A, 8B                      Humanities 1, 2, 3, 4, 5                      Philosophy 1, 4, 5, 6, 7, 8, 9, 10                      Theatre Arts 3                 </div>	<div> <b>AREA 6 – ETHNIC STUDIES (one course — 3 semester units)</b> </div> <div>                     Required- 1 course:                      Ethnic Studies 1, 5, 6                 </div> <div> <b>CSU GRADUATION REQUIREMENT IN U.S. HISTORY, CONSTITUTION, and AMERICAN IDEALS</b> </div> <div>                     Not a UC requirement. May be completed prior to transfer. At the discretion of each CSU, these courses may also be used for Cal-GETC certification.                 </div> <div> <b>US 1: Historical Development of American Institutions &amp; Ideals</b>                      History 2A, 2B, 4                 </div> <div> <b>US 2: U.S. Constitution and Government</b>                      Political Science C1000                 </div> <div> <b>US 3: California State and Local Government</b>                      Political Science C1000                 </div>
<div> <b>AREA 4 – SOCIAL AND BEHAVIORAL SCIENCES (two courses from two different academic disciplines — 6 semester units)</b> </div> <div>                     Required -2 courses minimum; two different disciplines:                 </div> <div>                     Administration of Justice 1, 3, 5                      Anthropology 1                      Child Development 4, 6                      Economics 1, 2                      Ethnic Studies 1, 5, 6                      Geography 3                      History 1A, 1B, 2A, 2B, 4, 5, 8A, 8B                      Political Science C1000, 2, 3                      Psychology C1000, 2, 6, 12, 14                      Sociology 1, 2, 3, 7, 9, 10, 12, 20, 22, 25                 </div>	<div>                     If you have maintained continuous enrollment by keeping your catalog rights (see pg. 54 for additional information regarding catalog rights), you may be able to use the CSU GE Breadth or IGETC from previous catalogs to fulfill general education requirements. It is important that you meet with a counselor to discuss your options.                 </div>



# BARSTOW COMMUNITY COLLEGE GENERAL EDUCATION BREADTH 2025 - 2026

Completion of the general education requirements satisfy the local degree requirements and is designed for students who are planning to seek immediate employment after graduation. Students intending to transfer to a 4-year institution should follow the California General Education Transfer Curriculum (Cal-GETC).

Courses in Areas I, II, and III must be completed with grades "C" or better.

While a course might satisfy more than one general education requirement, it may not be used more than once within the general breadth. However, a course may be used to satisfy both a general education requirement and a major requirement.

See a counselor for more details regarding double counting courses.

<b>I. English Composition, Oral Communication and Critical Thinking (minimum 6 units)</b>	
English C1000 Comm C1000 or Engl C1001 or Phil 1C	
<b>II. Mathematical Concepts and Quantitative Reasoning (minimum 3-4 units)</b>	
Mathematics 1, 3, 4A, 4B, 4C, 4D, 5, 6, 7, 9, 10; Statistics C1000 Computer Science 18	
<b>III. Arts and Humanities (minimum 3-4 units)</b>	
Arts 1, 2, 3, 5, 7, 10A, 10B, 13A, 16, 17, 18A, 18B, 18C, 19 English 1B, 1C, 2, 3, 4, 5, 6, 7, 11, 12, 12B, 13A History 1A, 1B, 8A, 8B Humanities 1, 2, 3, 4, 5 Music 2, 3, 4ABCD, 5ABCD, 6ABC, 7ABCD, 8ABCD, 12ABC, 14	Philosophy 1, 1C, 3, 4, 5, 6, 7, 8 Photography 1C, 2C, 3C, 4C, 9 Spanish 1A, 1B Theatre 1, 3, 4ABCD, 5ABCD, 6,10, 12ABCD, 13ABCD, 14ABCD 15, 16, 17, 18, 19, 23 ABCD, 24ABCD
<b>IV. Social and Behavioral Sciences (minimum 3-4 units)</b>	
Administration of Justice 1, 2, 3, 4, 5, 6, 7, 8, 14, 15, 16, 17, 18 Anthropology 1 Business Administration 1, 2, 5, 6, 19 Child Dev 4, 6, 9, 11A, 14, 20, 25, 49 Economics 1, 2 Ethnic Studies 1, 5, 6	Geography 3 History 1A, 1B, 2A, 2B, 4, 5, 8A, 8B Political Science C1000, 2, 3 Psychology C1000, 2, 6, 11, 12, 14, 15 Sociology 1, 2, 3, 7, 9, 10, 12, 20, 22, 25
<b>V. Natural Sciences (minimum 3-4 units)</b>	
Astronomy 1 Biology 1, 2, 4, 5, 8, 20A, 20B Chemistry 1A, 1B, 2A, 2B, 3A, 3B, 10 Geology 1L, 4,	Oceanography 1 Physical Science 2 Physics 2A, 2B, 2C Psychology 11
<b>VI. Ethnic Studies (minimum 3 units)</b>	
Ethnic Studies 1, 5, 6	
<b>VII. Lifelong Understanding and Self-Development (minimum 2 units)</b>	
Allied Health 51, 55A, 62A, 63 (or valid/current American Heart Association/American Health & Safety Institute CPR, ARC or AHS First Aid Care) Athletics 1, 2, 3, 4, 9, 10, 14, 20, 22, 23, 25, 31 Child Development 4 Counseling 5 Health 1, 2 Music 2, 3, 4ABCD, 5ABCD, 6ABC, 7ABCD, 8ABCD, 12ABC, 14 Kinesiology 1, 2A, 3A, 4A, 5A, 6A, 7A, 8A, 9A, 10A, 16A, 17A, 18A, 21A, 22A, 23A, 24A, 30A, 31A	

# PROGRAMS OF STUDY

## Arts, Communication, & Humanities

### Art Cluster

#### Associate of Arts Degree for Transfer, Art History

This program offers academic and career preparation that provides students with the skills and knowledge needed to transfer to a four-year college or to establish a career as a studio artist—or to achieve both opportunities. In addition to preparing students to enter the professions or acquire jobs that require a bachelor's degree or higher, the program offers courses of study that enhance the creativity of students who choose different careers.

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

(A) The California General Education Transfer Curriculum (Cal-GETC) requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

#### 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
<b>Required Core Courses</b>		
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	3.0
	<b>Subtotal</b>	<b>9.0</b>
<b>List A</b>		
ARTS 13A	Asian Art History: Early Cultures	3.0
	<b>Subtotal</b>	<b>3.0</b>
<b>List B: Choose one course from the following</b>		
ARTS 3	Two-Dimensional Design	3.0
ARTS 5	Three-Dimensional Design	3.0
ARTS 10A	Beginning Painting	3.0
ARTS 18A	Beginning Ceramics	3.0
ARTS 19	Beginning Sculpture	3.0
	<b>Subtotal</b>	<b>3.0</b>
<b>List C: Choose one course from the following or any course not previously used from List A or B</b>		
HIST 8B	Survey of World Civilizations II: From the 1500's to the Present	3.0
HUMA 4	Survey of Film	3.0
PHIL 1	Introduction to Philosophy	3.0
PHIL 3	Logic	3.0
PHIL 4	Ethics	3.0
PHIL 5	World Religions	3.0
PHIL 6	Introduction to the Bible	3.0

PHIL 7	Ancient and Medieval Philosophy	3.0
PHIL 8	Modern Philosophy	3.0
	<b>Subtotal</b>	<b>3.0</b>
	<b>Major Units Required</b>	<b>18.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>17.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Communication Cluster

### Associate of Arts Degree for Transfer, Communication Studies 2.0

The Associates in Arts in Communication Studies for Transfer 2.0 focuses on concepts such as public communication, argument, rhetoric, and theories of human communication. The core courses are designed to provide students with a background and foundation to explore any of the various fields in communication in depth. The curriculum will provide students with knowledge and understanding of how to apply effective communication in their daily lives. The program is designed for students who intend on transferring to a four-year institution to pursue a bachelor's degree in preparation for a career in government, social service, industry, and/or further education in areas such as teaching, announcing, public relations, and law.

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

(A) The California General Education Transfer Curriculum (Cal-GETC) requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate an ability to communicate ethically and responsibly on local, national, and global levels.
- Identify and analyze the foundational theories, principles, and forms of communication in various contexts.
- Demonstrate effective research and critical thinking skills as they apply to the study of communications.

Subject	Course Title	Units
<i>Required Core Courses</i>		
COMM C1000	Introduction to Public Speaking	3.0
COMM 3	Interpersonal Communications	3.0
	<b>Subtotal</b>	<b>6.0</b>
<b>List A: Choose 3 courses from the following</b>		
COMM 2	Oral Interpretation of Literature	3.0
COMM 4	Argumentation and Debate	3.0
COMM 5	Introduction to Communication Theory	3.0
COMM 6	Intercultural Communication	3.0
	<b>Subtotal</b>	<b>9.0</b>
<b>List B: Choose one course from the following or any course not previously used from List A</b>		
ANTH 1	Introduction to Cultural Anthropology	3.0
PSYC C1000	Introduction to Psychology	3.0
SOCI 1	Introduction to Sociology	3.0
	<b>Subtotal</b>	<b>3.0</b>

	<b>Major Units Required</b>	<b>18.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>11.0-14.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Humanities Cluster

### Associate of Arts 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.

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

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

- (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
- (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major

### 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
<b>Required Core Courses</b>		
ENGL 1B	Introduction to Literature	3.0
ENGL C1001	Critical Thinking and Writing	4.0
	<b>Subtotal</b>	<b>7.0</b>
<b>List A: Choose 2 courses from the following</b>		
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
	<b>Subtotal</b>	<b>6.0</b>
<b>List B: Choose one from the following or any course not previously used from List A</b>		
ENGL 5	Introduction to Children's Literature	3.0
ENGL 7	Creative Writing	3.0
	<b>Subtotal</b>	<b>3.0</b>
<b>List C: Choose one from the following or any course not used from List A or B</b>		

ENGL 6	Bible as Literature	3.0
ENGL 11	Graphic Novel as Literature	3.0
ENGL 13A	African-American Literature	3.0
	<b>Subtotal</b>	<b>3.0</b>
	<b>Major Units Required</b>	<b>19.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>13.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Arts Degree for Transfer, Philosophy

The Associate in Arts in Philosophy degree for Transfer (AA-T) prepares the student to transfer to the CSUs as a junior to further their studies of Philosophy. This degree concentrates on providing students with knowledge of the primary methodologies and practices relevant to philosophy. As a practice, philosophy is concerned with the establishment and exploration of fundamental questions about human beings, the world they live in, and how to make good decisions. The practical skills learned in philosophy include the construction and critical evaluation of logical arguments, critical thinking skills, detailed analysis, problem solving, interpersonal relations, formulating new solutions, ethical reasoning, and a historical understanding of western thought. These skills are foundational for preparation for a number of careers including medicine, law, business, and education. Furthermore, a philosophy major not only provides a foundation for general career education, it is the foundation of creating good people that are active and concerned citizens.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

## Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Analyze critically and creatively the work of major figures in philosophy.
- Express philosophical ideas and defend them effectively in argument, both in writing and orally.
- Demonstrate a basic understanding of methods of philosophy.
- Evaluate the most important topics in a range of areas which are typically regarded as lying at the center of contemporary philosophical thought, including ethics, logic, metaphysics, theory of knowledge, religion, aesthetics, political philosophy, Asian philosophy, or feminist philosophy.

Subject	Course Title	Units
<b>Required Core Courses</b>		
PHIL 3	Logic	3.0
<b>Choose one course from the following</b>		
PHIL 1	Introduction to Philosophy	3.0
PHIL 4	Ethics	3.0
	<b>Subtotal</b>	<b>6.0</b>
<b>List A: Choose one course from the following or any course not previously used from Required Core Courses</b>		
PHIL 7	Ancient and Medieval Philosophy	3.0
PHIL 8	Modern Philosophy	3.0
	<b>Subtotal</b>	<b>3.0</b>
<b>List B: Choose 2 from the following or any course not previously used from List A</b>		

HIST 1A	Survey of Western Civilization I: The Ancient Near East to 1648	3.0
HIST 1B	Survey of Western Civilization II: The Renaissance to Present Day	3.0
PHIL 5	World Religions	3.0
	<b>Subtotal</b>	<b>6.0</b>
<b>List C:</b> Choose one course from the following or any course not previously used from List A or B		
HUMA 1	Humanities Through The Arts	3.0
HUMA 2	Antiquity to Renaissance	3.0
HUMA 3	Renaissance to Modern	3.0
HUMA 4	Survey of Film	3.0
HUMA 5	Multi-Cultural Mythology	3.0
PHIL 6	Introduction to the Bible	3.0
	<b>Subtotal</b>	<b>3.0</b>
	<b>Major Units Required</b>	<b>18.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>11.0-14.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Arts Degree, Humanities

This degree emphasizes the study of cultural, literary, humanistic activities, and artistic expression of human beings. Students will evaluate and interpret the ways in which people through the ages in different cultures have expressed themselves and responded to the world around them in artistic and cultural creation. This program requires 18 units in Humanities including a minimum of 3 units in at least three different departments from the list below.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate communication skills in written, musical, verbal, and visual forms.
- Analyze the cultural and historical foundation of contemporary human experiences; recognize the interconnectedness of all things, historical context, writing, composing poetry, creating art, singing, acting, and have developed a healthy curiosity about the world and its peoples.
- Analyze different historical/artistic/literary movements throughout history and how those movements developed; demonstrate skills to become more historically and culturally literate; and demonstrate a deeper appreciation of people's use of history, language, and cultural mediums.
- Demonstrate the willingness to explore and discover through writing, performing or creating works of art; demonstrate respect and appreciation for humans' place in the world and the diversity of the human experience; and demonstrate an appreciation for history, art, music, literature, culture and philosophy.

Subject	Course Title	Units
<i>Choose 6 courses (18 units) from three different subjects</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 3	Two-Dimensional Design	3.0
ARTS 5	Three-Dimensional Design	3.0
ARTS 7	Drawing and Composition	3.0
ARTS 10A	Beginning Painting	3.0
ARTS 10B	Intermediate Painting	3.0
ARTS 13A	Asian Art History: Early Cultures	3.0
ARTS 16	Freehand Sketching	3.0
ARTS 17	Watercolor Painting	3.0
ARTS 18A	Beginning Ceramics	3.0
ARTS 18B	Intermediate Ceramics	3.0
ARTS 18C	Advanced Ceramics	3.0
ARTS 19	Beginning Sculpture	3.0
COMM C1000	Introduction to Public Speaking	3.0
COMM 2	Oral Interpretation of Literature	3.0
COMM 3	Interpersonal Communications	3.0
COMM 4	Argumentation and Debate	3.0
COMM 5	Introduction to Communication Theory	3.0
COMM 6	Intercultural Communication	3.0
ENGL C1000	Academic Reading and Writing	4.0
ENGL 1B	Introduction to Literature	3.0
ENGL C1001	Critical Thinking and Writing	4.0
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 4	Introduction to Shakespeare	3.0
ENGL 5	Introduction to Children's Literature	3.0
ENGL 6	Bible as Literature	3.0
ENGL 7	Creative Writing	3.0
ENGL 11	Graphic Novel as Literature	3.0
ENGL 12	Survey of American Literature to 1865	3.0
ENGL 12B	Survey of American Literature II 1865-Present	3.0
ENGL 13A	African-American Literature	3.0

HIST 1A	Survey of Western Civilization I: The Ancient Near East to 1648	3.0
HIST 1B	Survey of Western Civilization II: The Renaissance to the Present Day	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 21 <sup>st</sup> Century	3.0
HIST 4	The US in the 20 <sup>th</sup> Century	3.0
HIST 5	History of California	3.0
HIST 8A	Survey of World Civilizations I: From the Dawn of Humankind to the 1300's	3.0
HIST 8B	Survey of World Civilizations II: From the 1500's to the Present	3.0
HUMA 1	Humanities Through The Arts	3.0
HUMA 2	Antiquity to Renaissance	3.0
HUMA 3	Renaissance to Modern	3.0
HUMA 4	Survey of Film	3.0
HUMA 5	Multi-Cultural Mythology	3.0
MUSI 2	Music Appreciation (Classical)	3.0
MUSI 3	Music Appreciation (American Music)	3.0
MUSI 4A	Beginning College Choir	1.0
MUSI 4B	Intermediate College Choir	1.0
MUSI 4C	Advanced College Choir I	1.0
MUSI 4D	Advanced College Choir II	1.0
MUSI 5A	Beginning Concert Band	1.0
MUSI 5B	Intermediate Concert Band	1.0
MUSI 5C	Advanced Concert Band	1.0
MUSI 5D	Advanced Concert Band II	1.0
MUSI 6A	Beginning Symphonic Band	1.0
MUSI 6B	Intermediate Symphonic Band	1.0
MUSI 6C	Advanced Symphonic Band	1.0
MUSI 7A	Beginning Jazz Ensemble	1.0
MUSI 7B	Intermediate Jazz Ensemble	1.0
MUSI 7C	Advanced Jazz Ensemble	1.0
MUSI 7D	Masters Jazz Ensemble	1.0
MUSI 8A	Beginning Chamber Singers	1.0
MUSI 8B	Intermediate Chamber Singers	1.0
MUSI 8C	Advanced Chamber Singers I	1.0
MUSI 8D	Advanced Chamber Singers II	1.0
MUSI 12A	Beginning Piano I	2.0
MUSI 12B	Beginning Piano II	1.0
MUSI 12C	Intermediate Piano	1.0
MUSI 14	Beginning Guitar I	2.0
PHIL 1	Introduction to Philosophy	3.0
PHIL 1C	Critical Thinking	3.0
PHIL 3	Logic	3.0
PHIL 4	Ethics	3.0
PHIL 5	World Religions	3.0
PHIL 6	Introduction to the Bible	3.0
PHIL 7	Ancient and Medieval Philosophy	3.0
PHIL 8	Modern Philosophy	3.0
TART 1	Beginning Acting	3.0
TART 3	Theatre Appreciation	3.0
TART 4A	Beginning Broadway Voice	1.0
TART 4B	Intermediate Broadway Voice	1.0
TART 4C	Advanced Broadway Voice I	1.0
TART 4D	Advanced Broadway Voice II	1.0
TART 5A	Beginning Contemporary Theatre Production	1.0-4.0
TART 5B	Intermediate Contemporary Theatre Production	1.0-4.0



TART 5C	Advanced Contemporary Theatre Production I	1.0-4.0
TART 5D	Advanced Contemporary Theatre Production II	1.0-4.0
TART 13A	Beginning Musical Theatre Production	0.5-4.0
TART 13B	Intermediate Musical Theatre Production	1.0-4.0
TART 13C	Advanced Musical Theatre Production I	1.0-4.0
TART 13D	Advanced Musical Theatre Production II	1.0-4.0
TART 23A	Beginning Jazz Dance	1.0
TART 24A	Beginning Modern Dance	1.0
	<b>Major Units Required</b>	<b>18.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>3.0-22.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Studio & Performing Arts Cluster

### Associate of Arts Degree for Transfer, Studio Arts

This program offers academic and career preparation that provides students with the skills and knowledge needed to transfer to a four-year college or to establish a career as a studio artist—or to achieve both opportunities. In addition to preparing students to enter the professions or acquire jobs that require a bachelor's degree or higher, the program offers courses of study that enhance the creativity of students who choose different careers.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Employ technical skills, creativity, critical thinking, and conceptual problem-solving in completing independent projects in the Visual Arts, Design, and Studio Arts.
- Demonstrate expert and safe use of a variety of equipment, materials, software, and tools, when performing, writing about, and/or creating works of art.
- Participate in a variety of visual arts, demonstrate accomplishment of skills, techniques and processes involved in their creation through a portfolio of work.

Subject	Course Title	Units
<i>Required Core Courses</i>		
ARTS 2	Art History and Appreciation: Early Renaissance to Post Modern	3.0
ARTS 3	Two-Dimensional Design	3.0
ARTS 5	Three-Dimensional Design	3.0
ARTS 7	Drawing and Composition	3.0
	<b>Subtotal</b>	<b>12.0</b>
<b>List A: Choose one course from the following</b>		
ARTS 1	Art History and Appreciation: Prehistory Through the Middle Ages	3.0
ARTS 13A	Asian Art History: Early Cultures	3.0
	<b>Subtotal</b>	<b>3.0</b>
<b>List B: Choose any 3 courses from the following</b>		
ARTS 10A	Beginning Painting	3.0
ARTS 16	Freehand Sketching	3.0
ARTS 17	Watercolor Painting	3.0
ARTS 18A	Beginning Ceramics	3.0
ARTS 19	Beginning Sculpture	3.0
	<b>Subtotal</b>	<b>9.0</b>
	<b>Major Units Required</b>	<b>24.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>5.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Arts Degree for Transfer, Theatre Arts

The Associate in Arts for Transfer Degree, Theatre Arts (ADT) focuses on the solid foundation of fundamental skills learned through a variety of performance and technical theatre courses to help students build confidence and emphasize the importance of responsibility, dedication, collaboration, and commitment. It connects the study of script analysis and history to create complex characters and theatrical designs. Students are encouraged to develop their artistic expression and technical ability in preparation for their continuing education and future careers. A degree in Theatre Arts can lead to careers in teaching, design, technical theatre, theatre management, professional performance, stage direction, stage management, and related areas. Our hope is to challenge and channel students' talents into having an equitable, local, and global impact as artists, technicians, educators, audience members, and supporters of the arts.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate an understanding of and empathy for the racial, ethnic, social, and cultural diversity of U.S. and World theatre.
- Describe, analyze, interpret, and evaluate dramatic literature and theatrical productions.
- Demonstrate competence in the technical, design, and/or acting aspects of theatrical production.

Subject	Course Title	Units
<b>Required Core Courses</b>		
TART 1	Beginning Acting	3.0
TART 3	Theatre Appreciation	3.0
	<b>Subtotal</b>	<b>6.0</b>
<b>Select: (3 units maximum)</b>		
TART 5A <b>OR</b> TART 5B	Beginning Contemporary Theatre Production <b>OR</b> Intermediate Contemporary Theatre Production	1.0-4.0
TART 12A <b>OR</b> TART 12B	Beginning Classical Theatre Production <b>OR</b> Intermediate Classical Theatre Production	1.0-4.0
TART 13A <b>OR</b> TART 13B	Beginning Musical Theatre Production <b>OR</b> Intermediate Musical Theatre Production	1.0-4.0
TART 14A <b>OR</b> TART 14B	Technical Theatre in Production I <b>OR</b> Technical Theatre in Production II	1.0-4.0
	<b>Subtotal</b>	<b>3.0</b>
<b>List A: Select three courses (9 units)</b>		
TART 6	Intermediate Acting	3.0
TART 10	Introduction to Theatre Design	3.0

TART 17	Introduction to Stage Lighting	3.0
TART 18	Introduction to Stage Costume	3.0
TART 19	Introduction to Stage Makeup	3.0
TART 15	Script Analysis	3.0
TART 16	Stagecraft	3.0
<b>Select from the following REQUIRED CORE courses no already used: (3 units maximum)</b>		
TART 5A <b>OR</b> TART 5B	Beginning Contemporary Theatre Production <b>OR</b> Intermediate Contemporary Theatre Production	1.0-4.0
TART 12A <b>OR</b> TART 12B	Beginning Classical Theatre Production <b>OR</b> Intermediate Classical Theatre Production	1.0-4.0
TART 13A <b>OR</b> TART 13B	Beginning Musical Theatre Production <b>OR</b> Intermediate Musical Theatre Production	1.0-4.0
TART 14A <b>OR</b> TART 14B	Technical Theatre in Production I <b>OR</b> Technical Theatre in Production II	1.0-4.0
	<b>Subtotal</b>	<b>9.0</b>
	<b>Major Units Required</b>	<b>18.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>11.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Certificate of Achievement, Technical Theatre

A Certificate of Achievement in Technical Theatre is recommended for those considering a professional career in the entertainment industry or theatre. A certificate would demonstrate support and knowledge for those who are attempting to gain entry-level employment as a Theatre Technician, Theatrical Stage Employee, Moving Picture Technician, Entertainment Artist, or in Allied Crafts.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate competence in the technical, design, and/or acting aspects of theatrical productions.
- Describe, analyze, interpret, and evaluate dramatic literature and theatrical productions.
- Demonstrate an understanding of and empathy for the racial, ethnic, social, and cultural diversity of U.S. and World theatre.

Subject	Course Title	Units
<i>Required Core Courses</i>		
TART 10	Introduction to Theatre Design	3.0
TART 17	Introduction to Stage Lighting	3.0
TART 18	Introduction to Stage Costume	3.0
TART 19	Introduction to Stage Makeup	3.0
TART 15	Script Analysis	3.0
TART 16	Stagecraft	3.0
	Total Units Required	18.0

# Business and Entrepreneurship

## Business and Entrepreneurship Cluster

### Associate of Science Degree for Transfer, Business Administration 2.0

The Associate of Science in Business Administration 2.0 for Transfer degree is intended for students who plan to complete a bachelor's degree in Business Administration at a California State University system. 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.

Upon completion of the Associate of Science in Business Administration 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 Associate in Science in Business Administration 2.0 for Transfer will have satisfied the lower division requirements for transfer into Business Administration or similar major for many campuses in the California State University system.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. ADTS also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Evaluate the performance business environments and their impact on organizational growth.
- Demonstrate a basic understanding of monetary and legal aspects of the business environment.
- Analyze the functions of businesses and their impact on organizational performance.

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 I	3.0
STAT C1000	Introduction to Statistics	4.0
<b>Subtotal</b>		<b>19.0</b>
<i>Choose any 1 course from the following</i>		
MATH 4D	Business Calculus	4.0
MATH 3	College Algebra	4.0
<b>Subtotal</b>		<b>4.0</b>
<i>Choose any 1 course from the following</i>		
BADM 5	Introduction to Business	3.0

BADM 6	Business Communications	3.0
<b>Subtotal</b>		<b>3.0</b>
	<b>Major Units Required</b>	<b>26.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>6.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## 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
<b>Subtotal</b>		<b>6.0</b>
<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	4.0
CBIS 40	Spreadsheet Applications	4.0
ECON 1	Macroeconomics	3.0
ECON 2	Microeconomics	3.0
<b>Subtotal</b>		<b>12.0-14.0</b>
	<b>Major Units Required</b>	<b>18.0-20.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>1.0-22.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Science Degree, Business

The Associate of Science in Business degree focuses on the study of Business and allows the student to obtain a fundamental background in business principles and techniques, or a focus on specific areas or specialties. Students can obtain a degree with a focus in four areas: Management, Accounting, Entrepreneurship, and General Business. Each focus area shares a core of business courses that provide a foundation for a business career with an emphasis on ethics and collaboration.

The Management focus prepares students with practical knowledge of the skills utilized by managers to facilitate efficiency and effectiveness in small, medium, or large organizations. An Accounting focus prepares students to gain entry level employment in a financial environment. The Entrepreneurship focus introduces the concept of small business ownership with course options that cover entrepreneurial mindset, design thinking, startup, and money and finance. The General Business focus is designed for the students who want to acquire or enhance their speaking, writing, collaboration, and overall efficiency/effectiveness in the contemporary work environment.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate a working knowledge of the 21<sup>st</sup> century skills common to the contemporary business environment.
- Speak and write business communications efficiently and effectively.
- Demonstrate a basic understanding of monetary and legal aspects business.

Subject	Course Title	Units
<b>Required Core Courses</b>		
ACCT 1	Financial Accounting	3.0
BADM 1	Business Law I	3.0
BADM 5	Introduction to Business	3.0
BADM 19	Marketing	3.0
<b>Subtotal</b>		<b>12.0</b>
<b>Select 1 Track</b>		
<b>Track 1: Accounting</b> <i>Choose any 2 courses from the following</i>		
ACCT 4	Managerial Accounting	3.0
ACCT 5	Personal Financial Planning	3.0
ACCT 68	Federal Tax I	3.0
<b>Subtotal</b>		<b>6.0</b>
<b>Track 2: Business</b> <i>Choose any 2 courses from the following</i>		
BADM 6	Business Communications	3.0
ECON 1	Macroeconomics	3.0
ECON 2	Microeconomics	3.0
<b>Subtotal</b>		<b>6.0</b>
<b>Track 3: Entrepreneurship</b> <i>Choose any 2 courses from the following</i>		
ENTR 1	Entrepreneurial Mindset	3.0
ENTR 2	Entrepreneurship Basic: Design Thinking and Supply Chain	3.0
ENTR 3	Starting a Business with Limited Resources	3.0
ENTR 4	Money, Finance and Accounting for Entrepreneurs	3.0
<b>Subtotal</b>		<b>6.0</b>
<b>Track 4: Management</b> <i>Choose any 2 courses from the following</i>		
MGMT 1	Introduction to Management	3.0
MGMT 3	Human Resource Management	3.0
MGMT 5	Organization and Management	3.0
MGMT 7	Small Business Management	3.0
<b>Subtotal</b>		<b>6.0</b>
	<b>Major Units Required</b>	<b>18.00</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>

	<b>Electives Required</b>	<b>3.0-22.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Science Degree, Warehousing and Logistics

The Associate of Science Degree in Warehousing and Logistics is designed for people working in the fields of logistics and/or operations management with a desire to expand their knowledge of the industry. The degree is also applicable for persons with an interest to enter the industry with knowledge that will rapidly lead to expanding responsibilities.

Upon completion of the graduation requirements and the required degree courses with at least a "C" grade or better on each course, the student will be awarded an Associate of Science Degree in Warehousing and Logistics.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Develop strategic understanding of logistics and supply chain management and be able to take into account the relationships between this discipline and other areas of business to make holistic judgements when analyzing business solutions.
- Demonstrate critical thinking skills, making the intellectual connection between quantitative and qualitative tools, theories and context to properly and effectively solve problems and make decisions, as well as develop new and innovative business opportunities to strategically navigate the complex demands of the current and dynamic national and international business environments.
- Read, interpret, comprehend and apply the theories of warehousing and logistics and how they relate to the supply chain management.
- Ability to address logistical supply chain management (LCSM) problems in a holistic approach by taking into account general management concepts, human resources, environmental concerns, and qualify, technological and economic aspects.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WARE 51	Introduction to Operations and Supply Chain Management	3.0
WARE 52	Introduction to Warehousing and Distribution	3.0
WARE 54	Material Handling	3.0
WARE 55	Principles of Logistics	3.0
WARE 59	Introduction to Purchasing	3.0
CBIS 1	Computer Concepts	4.0
	<b>Major Units Required</b>	<b>19.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>2.0-21.0</b>
	<b>Total Units Required</b>	<b>60.0</b>



## 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 68	Federal Tax I	3.0
BADM 1	Business Law I	3.0
BADM 2	Business Law II	3.0
ENTR 1	Entrepreneurial Mindset	3.0
	<b>Total Units Required</b>	<b>18.0</b>

## Certificate of Achievement, Entrepreneurship and Innovation

This certificate will provide students who desire to start a new business with the training that includes creative and innovative thinking strategies, toolbox of entrepreneurial training, networking, a start-up Business Model Canvas and/or Business Plan, and resources to support development of a new venture ecosystem.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate the ability to plan, organize, and execute a project or new venture with the goal of bringing new products and service to the market.
- Demonstrate a fundamental comprehension of business opportunity evaluation, from the perspective of a prospective investor.
- Compile and interpret for basic financial statements used by business owners to attract potential investors to finance start-ups and/or expansion of the business.
- Effectively communicate, interpersonally and collaboratively, with basic computer proficiency, including the use of word processing, presentation, and spreadsheet software packages, as well as a basic facility with the internet and other research tools.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BADM 5	Introduction to Business	3.0
CBIS 1	Computer Concepts	4.0
ENTR 1	Entrepreneurial Mindset	3.0
ENTR 2	Entrepreneurship Basic: Design Thinking and Supply Chain	3.0
ENTR 3	Starting a Business with Limited Resources	3.0
ENTR 4	Money, Finance and Accounting for Entrepreneurs	3.0
	<b>Total Units Required</b>	<b>19.0</b>

## 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 21<sup>st</sup> 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	Entrepreneurial Mindset	3.0
MGMT 1	Introduction to Management	3.0
MGMT 3	Human Resource Management	3.0
MGMT 5	Organization and Management	3.0
	<b>Total Units Required</b>	<b>18.0</b>

## Certificate of Achievement, Warehousing and Logistics, Level 1

This course of study prepares students for entry-level positions in industry and service occupations requiring skills in Logistics and Materials Transportation. Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Warehouse & Logistics Level 1.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Develop strategic understanding of logistics and supply chain management and be able to take into account the relationships between this discipline and other areas of business to make holistic judgements when analyzing business solutions.
- Demonstrate critical thinking skills, making the intellectual connection between quantitative and qualitative tools, theories and context to properly and effectively solve problems and make decisions, as well as develop new and innovative business opportunities to strategically navigate the complex demands of the current and dynamic national and international business environments.
- Read, interpret, comprehend, and apply the theories of warehousing and logistics and how they relate to supply chain management.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WARE 52	Introduction to Warehousing and Distribution	3.0
WARE 54	Material Handling	3.0
WARE 55	Principles of Logistics	3.0
	<b>Total Units Required</b>	<b>9.0</b>

## Certificate of Achievement, Warehousing and Logistics, Level 2

The Certificate of Achievement in Warehousing and Logistics is designed for people working in the fields of logistics and/or operations management with a desire to expand their knowledge of the industry. The certificate is also applicable for persons with an interest to enter the industry with knowledge that will rapidly lead to expanding responsibilities.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Develop strategic understanding of logistics and supply chain management and be able to take into account the relationships between this discipline and other areas of business to make holistic judgements when analyzing business situations.
- Demonstrate critical thinking skills, making the intellectual connection between quantitative and qualitative tools, theories and context to properly and effectively solve problems and make decisions, as well as develop new and innovative business opportunities to strategically navigate the complex demands of the current and dynamic national and international business environments.
- Read, interpret, comprehend and apply the theories of warehousing and logistics and how they relate to the supply chain management.
- Address logistical supply chain management (LCSM) problems in a holistic approach by taking into account general management concepts, human resources, environmental concerns, and qualify, technological and economic aspects.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WARE 51	Introduction to Operations and Supply Chain Management	3.0
WARE 52	Introduction to Warehousing and Distribution	3.0
WARE 54	Material Handling	3.0
WARE 55	Principles of Logistics	3.0
WARE 59	Introduction to Purchasing	3.0
CBIS 1	Computer Concepts	4.0
	<b>Total Units Required</b>	<b>19.0</b>

# Computer Business Information Systems Cluster

## Associate of Science, Computer Business Information Systems

This degree is designed to prepare students for the employment market at the entry level in computer and business information technology in all sizes and types of organizations. The program provides a foundation for those students who plan to complete a four-year program in computer business information systems or related fields of study. The program also provides skills to upgrade current skills to assume greater responsibility in a current employment position. This major prepares students for Information Technology careers in networking, hardware support, cyber security, Internet and Web development, or other emerging technologies.

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded an Associates of Science Degree in Computer Business Information Systems.

### Program Learning Outcomes

Upon successful completion, the student will be able to:

- Demonstrate the use, synthesis, and application of computer and business information technology skills required to assume an entry-level position in all sizes and types of organizations.
- Apply the use, knowledge, and application of computer and business information technology skills required to upgrade current skills to assume greater responsibility in a current or new employment position.
- Demonstrate the use and application of computer and business information technology skills required to transfer to a four-year college or university program in Computer Information Systems or related majors in Information Technology.

Subject	Course Title	Units
<b>Required Core Courses</b>		
CBIS 1	Computer Concepts	4.0
ADJU 1	Introduction to the Administration of Justice	3.0
ADJU 3	Concepts of Criminal Law	3.0
<b>Subtotal</b>		<b>10.0</b>
<b>Select 1 Track</b>		
<b>Track 1: Cyber Security Specialist</b> (must complete the following courses)		
CBIS 14	Internet Security	4.0
CBIS 15	Information Networking	3.0
CBIS 17	Database Design and Management-Microsoft Access	3.0
<b>Subtotal</b>		<b>10.0</b>
<b>Track 2: Management Information Systems</b> (must complete the following courses)		
CBIS 13	Management of 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
<b>Subtotal</b>		<b>12.0</b>
	<b>Major Units Required</b>	<b>20.0-22.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>0-20.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Certificate of Achievement, Cyber Security Specialist

This certificate is designed to provide students with the knowledge to configure, install, diagnose, and support hardware and software issues and design, analyze, and support computer networks. Completion of this certificate provides opportunities of employment in the information technology industry with an emphasis in computer and cyber security for potential positions as information security specialists, information security technicians, information assurance technicians, networking security technicians, and cyber security technicians.

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Computer and Cyber Security Specialist (Security+).

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Configure, install, diagnose, and support hardware and software issues and design, analyze, and support computer networks.
- Utilize identifying tools and methodologies that hackers, use to break into a network computer and defend a computer and local area networks against a variety of different types of security attacks using a number of hands-on techniques.
- Apply problem-solving, programming, and application development including the ability to design, test, debug, and implement complex computer programs.
- Read and interpret technical information, as well as communicate with and write clearly for wide ranges of audiences.

Subject	Course Title	Units
<i>Required Core Courses</i>		
CBIS 1	Computer Concepts	4.0
ADJU 1	Introduction to Administration of Justice	3.0
CBIS 14	Internet Security	4.0
CBIS 15	Information Networking	3.0
CBIS 17	Database Design and Management-Microsoft Access	3.0
	<b>Total Units Required</b>	<b>17.0</b>

## Certificate of Achievement, Management Information Systems

This certificate program will prepare students to acquire basic knowledge in developing skills needed to analyze and solve business problems using the tools of information technology. Areas of interest emphasized include information system design and methodologies, system hardware and software, system analysis and design, database systems development and management, data communication, and Web development.

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement. Management Information Systems.

### 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 understating 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 management.

Subject	Course Title	Units
<i>Required Core Courses</i>		
CBIS 1	Computer Concepts	4.0
CBIS 13	Management of 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
	<b>Total Units Required</b>	<b>16.0</b>

## Education

### Associate of Arts Degree for Transfer, Elementary Teacher Education

The Associate in Arts in Elementary Teacher Education for Transfer Degree offers students a breadth of study across disciplines. The courses are designed to inspire and prepare students, future educators, to teach in urban classrooms, to learn essential professional knowledge including professional teaching standards and ethics, to conduct fieldwork in order to learn how to meet the diverse needs of students and roles of the teacher, and to gain a broad foundation of knowledge across the disciplines that will be necessary to teach elementary students. Students also develop critical reading, writing, and thinking skills that are pertinent to working in the era of a standards based classroom instruction. Students completing this ADT in Elementary Teacher Education degree are guaranteed admission to the CSU system, but not necessarily to a particular CSU campus of their choice.

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

- (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
- (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate introductory subject matter competency and knowledge of integrated studies found in liberal studies.
- Summarize practical knowledge of the teaching profession after completing 45 hours of fieldwork in a public elementary classroom.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BIOL 2	Concepts in Biology	4.0
CHLD 4	Child Growth and Development	3.0
COMM C1000	Introduction to Public Speaking	3.0
EDUC 1	Introduction to Teaching and Learning in K-12 Education	3.0
ENGL C1000	Academic Reading and Writing	4.0
HIST 2A	Survey of US History I: The Colonial Period through Reconstruction	3.0
POLS C1000	American Government and Politics	3.0
<i>Choose one course from the following</i>		
ENGL 1B	Introduction to Literature	3.0
HIST 8A	Survey of World Civilizations I: From the Dawn of Humankind to the 1300's	3.0
<b>Subtotal</b>		<b>26.0</b>
<b>List A: Choose one course from the following</b>		
CHEM 10	Survey of Chemistry and Physics	4.0
PHSC 2	Introduction to Earth Science	4.0
<b>Subtotal</b>		<b>4.0</b>
<b>List B: Choose one course from the following</b>		
MUSI 2	Music Appreciation (Classical)	3.0
TART 3	Theatre Appreciation	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>List C: Complete the following courses</b>		
HEAL 1	Health Education	3.0
HIST 5	History of California	3.0
<b>Subtotal</b>		<b>6.0</b>
	<b>Major Units Required</b>	<b>39.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>9.0-12.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Science Degree for Transfer, Early Childhood Education

The AS-T in Early Childhood Education 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.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### 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	3.0
CHLD 6	Child, Family, Community	3.0
CHLD 9	Introduction to Early Childhood Curriculum	3.0
CHLD 11A	Principles and 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
	<b>Subtotal</b>	<b>25.0</b>
	<b>Major Units Required</b>	<b>25.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>4.0</b>
	<b>Total Units Required</b>	<b>60.0</b>



## Associate of Science Degree, Child Development

The child development tracks are designed for students to select based on personal needs or interest regarding their career or possible job opportunities. Recommendation is to review the catalog description for each certificate.

### 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 assessment that contribute toward the development of the young child.
- Advocate, identify and implement policies, principles, and laws which support infants and toddlers, or preschool age children or children with special needs, or after-school aged children.
- Demonstrate skills learned to create a high quality learning environment that facilitates the emotional, cognitive, language and social domains of the child.

Subject	Course Title	Units
<i>Required Core Courses</i>		
CHLD 4	Child Growth and Development	3.0
CHLD 9	Introduction to Early Childhood Curriculum	3.0
<b>Subtotal</b>		<b>6.0</b>
<b>Select 1 Track for Specialization</b>		
<b>Track 1: Family Day Care</b>		
CHLD 12A	Creative Activities for Early Childhood Education	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
<b>Subtotal</b>		<b>12.0</b>
<b>Track 2: Associate Teacher</b>		
CHLD 6	Child, Family, Community	3.0
CHLD 11A	Principles and 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
<b>Subtotal</b>		<b>12.0</b>
<b>Track 3: Teacher</b>		
CHLD 6	Child, Family, Community	3.0
CHLD 11A	Principles and 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
<b>Subtotal</b>		<b>19.0</b>
<b>Track 4: Master Teacher: Infant and Toddler Specialization</b>		
CHLD 6	Child, Family, Community	3.0

CHLD 11A	Principles and Practices in 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 15A	Infants and Toddlers: Development	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
<b>Subtotal</b>		<b>28.0</b>
<b>Track 5: Master Teacher: School-Age Children Specialization</b>		
CHLD 6	Child, Family, Community	3.0
CHLD 11A	Principles and Practices in Early Childhood Education	3.0
CHLD 14	Child Health, Safety, and Nutrition	3.0
CHLD 17	Programs for School-Age Children: Curriculum and Teaching	3.0
CHLD 17A	Activities for School-Age Children	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
<b>Subtotal</b>		<b>28.0</b>
<b>Track 6: Master Teacher: Language and Literacy Specialization</b>		
CHLD 6	Child, Family, Community	3.0
CHLD 11A	Principles and Practices in Early Childhood Education	3.0
CHLD 14	Child Health, Safety, and Nutrition	3.0
CHLD 30	Child Language Development	3.0
CHLD 30A	Early Childhood Literacy	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
<b>Subtotal</b>		<b>28.0</b>
<b>Track 7: Master Teacher: Children with Special Needs Specialization</b>		
CHLD 6	Child, Family, Community	3.0
CHLD 11A	Principles and Practices in Early Childhood Education	3.0
CHLD 14	Child Health, Safety, and Nutrition	3.0
CHLD 35	Introduction to Children with Special Needs	3.0
CHLD 35A	Children with Challenging Behaviors	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
<b>Subtotal</b>		<b>28.0</b>
<b>Track 8: Site Supervisor</b>		
CHLD 6	Child, Family, Community	3.0
CHLD 11A	Principles and 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
		<b>28.0</b>
<b>Major Units Required</b>		<b>18.0-34.0</b>

	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>0-21.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## 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](http://www.childdevelopment.org) or the Commission on Teacher Credentialing via email at [www.ctc.ca.gov](mailto: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	3.0
CHLD 6	Child, Family, Community	3.0
CHLD 9	Introduction to Early Childhood Curriculum	3.0
CHLD 11A	Principles and 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
	<b>Total Units Required</b>	<b>18.0</b>

## 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](http://www.childdevelopment.org) or the Commission on Teacher Credentialing via email at [www.ctc.ca.gov](http://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	3.0
CHLD 6	Child, Family, Community	3.0
CHLD 9	Introduction to Early Childhood Curriculum	3.0
CHLD 11A	Principles and 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
	<b>Total Units Required</b>	<b>25.0</b>

## 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](http://www.childdevelopment.org) or the Commission on Teacher Credentialing via email at [www.ctc.ca.gov](mailto: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	3.0
CHLD 6	Child, Family, Community	3.0
CHLD 9	Introduction to Early Childhood Curriculum	3.0
CHLD 11A	Principles and 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
<b>Subtotal</b>		<b>28.0</b>
<i>Choose one of the following specializations</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
<b>Subtotal</b>		<b>6.0</b>
<b>Total Units Required</b>		<b>34.0</b>

## 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](http://www.childdevelopment.org) or the Commission on Teacher Credentialing via email at [www.ctc.ca.gov](http://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	3.0
CHLD 6	Child, Family, Community	3.0
CHLD 9	Introduction to Early Childhood Curriculum	3.0
CHLD 11A	Principles and 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
	<b>Total Units Required</b>	<b>34.0</b>

## Certificate of Achievement, 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
	<b>Total Units Required</b>	<b>18.0</b>

# Industrial Trades & Applied Technology

## Auto & Diesel Cluster

### 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.

Upon completion of the graduation requirements and the required degree courses with at least a "C" grade or better on each course, the student will earn an Associate Degree 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 54	Automotive Brakes	4.0
AUTO 55	Suspension and Steering	4.0
AUTO 56	Engine Performance	4.0
<b>Subtotal</b>		<b>20.0</b>
<i>Select one Track</i>		
<b>Track 1</b>		
AUTO 53	Automatic Transmissions and Transaxles	4.0
<b>Track 2</b>		
AUTO 52A	Introduction to Hybrid and Alternative Fuel Vehicles	4.0
<b>Track 3</b>		
AUTO 57	Heating and Air Conditioning	4.0
<b>Subtotal</b>		<b>4.0</b>
	<b>Major Units Required</b>	<b>24.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>0-16.0</b>
	<b>Total Units Required</b>	<b>60</b>



## Associate of Science Degree, Diesel Technology

Upon completion of the Diesel Technology program, students will be prepared for employment in diesel service and repair management services. The student will be prepared to pass the National Institute for Automotive Services Excellence (ASE) exam for Diesel Certification.

### 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>		
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
	<b>Major Units Required</b>	<b>20.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>1.0-20.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Certificate of Achievement, Automotive Technology

This certificate provides entry-level marketable skills that give the student a basic understanding of terminology, tools, equipment, materials, and techniques used in automotive repair. Students will have the fundamental skills required to gain employment in the automotive industry.

### 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 Transaxles	4.0
AUTO 54	Automotive Brakes	4.0
AUTO 55	Suspension and Steering	4.0
AUTO 56	Engine Performance	4.0
	<b>Total Units Required</b>	<b>24.0</b>

## Certificate of Achievement, Diesel Technology

Upon completion of the Diesel Technology program, students will be prepared for employment in diesel service and repair management services. The student will be prepared to pass the National Institute for Automotive Services Excellence (ASE) exam for Diesel Certification.

### 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>		
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
	<b>Total Units Required</b>	<b>20.0</b>

# Cosmetology Cluster

## Associate of Science Degree, Cosmetology

This degree provides students with the knowledge and skills to pass the state test and obtain a License in Cosmetology.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate proficiency in state Board regulations in sanitation and safety; perform appropriate cosmetology procedures with emphasis in all aspects of hair, skin, and nails.
- Demonstrate logic and critical thinking when presented with difficult situations such as color correction, customer service, handling difficult clients, and/or contraindications.
- Demonstrate a commitment to their education and understanding the value of advancement of education; students will assess by participation level.
- Enter the job market with clear knowledge of current trends, standard, and technology.

Subject	Course Title	Units
<i>Required Core Courses</i>		
COSM 50A	Cosmetology Fundamentals	6.0
COSM 50B	Hair Cutting and Product Knowledge	6.0
COSM 50C	Cosmetology Science	6.0
COSM 51A	Nail Technology	6.0
COSM 51B	Esthetician Technology	6.0
COSM 51C	Business in Cosmetology and Skills Review	6.0
COSM 52	State Board Preparation	6.0
	<b>Major Units Required</b>	<b>42.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Certificate of Achievement, Cosmetology

This certificate is designed to exceed minimum Board of Cosmetology standards. A combination of lecture and laboratory instruction includes personal hygiene and grooming; salesmanship; and skills in serving the public; antisepsis, bacteriology, sterilization, and principles of sanitation; safety requirements in operation of a beauty salon; principles of chemistry; laws and administrative regulations.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate proficiency in state Board regulations in sanitation and safety; perform appropriate cosmetology procedures with emphasis in all aspects of hair, skin, and nails.
- Demonstrate logic and critical thinking when presented with difficult situations such as color correction, customer service, handling difficult clients, and/or contraindications.
- Demonstrate a commitment to their education and understanding the value of advancement of education; students will assess by participation level.
- Enter the job market with clear knowledge of current trends, standard, and technology.

Subject	Course Title	Units
<i>Required Core Courses</i>		
COSM 50A	Cosmetology Fundamentals	6.0
COSM 50B	Hair Cutting and Product Knowledge	6.0
COSM 50C	Cosmetology Science	6.0
COSM 51A	Nail Technology	6.0
COSM 51B	Esthetician Technology	6.0
COSM 51C	Business in Cosmetology and Skills Review	6.0
COSM 52	State Board Preparation	6.0
	<b>Total Units Required</b>	<b>42.0</b>

## Industrial Maintenance Cluster

### Associate of Science Degree, Industrial Maintenance Electrical and Instrumentation

This course of study prepares students for entry-level positions in industry and service occupations requiring skills in Industrial Maintenance Electrical and Instrumentation. This program is based on nationally recognized industry standards.

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded an Associate of Science Degree, Industrial Maintenance Electrical and Instrumentation.

#### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Apply the skills necessary to implement electrical circuits following the National Electrical Code (NEC) guidelines.
- Recognize the required materials of the trade and have the ability to install them properly.
- Have the skills to potentially receive industry-recognized certifications in a variety of crafts.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BCTT 54	Safety Orientation	1.0
ELCT 70A	Electrical Safety and Hand Bending	1.0
ELCT 70B	Fasteners and Electrical Theory	1.0
ELCT 70C	Electrical Test Equipment, National Electrical Code (NEC)	2.0
ELCT 70D	Introduction to Electrical Blueprints	1.0
ELCT 70E	Electrical Level 1 Performance Testing	1.0
IMEI 80A	Alternating Current	2.0
IMEI 80B	Electrical and Instrumentation Test Equipment	1.0
IMEI 80C	Flow, Pressure, Level, and Temperature	1.0
IMEI 80D	Process Quantitative Skills	2.0
IMEI 80E	Process Tubing Installation and Testing	2.0
IMEI 80F	Introduction to Instrument Drawings and Documents	2.0
WELD 50A	Introduction to Welding	3.0
	<b>Major Units Required</b>	<b>20.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>1.0-20.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Science Degree, Industrial Maintenance Mechanic Technology

This course of study prepares students for entry level positions in industry and service occupations requiring skills in Industrial Maintenance Mechanics. This program is based on nationally recognized industry standards. Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded an Associate of Science Degree, Industrial Maintenance Mechanic.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Use tools safely and equipment commonly used in the trade.
- Do basic layout on a jobsite using scribing and quantitative skills.
- Work with various types of piping on the jobsite.
- Work with various types of valves and perform hydrostatic and pneumatic testing on the jobsite.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BCTT 54	Safety Orientation	1.0
IMMT 60	Fundamentals of Industrial Maintenance	1.0
IMMT 62	Oxyfuel Cutting	1.0
IMMT 64	Craft Related Quantitative Skills	1.0
IMMT 66	Construction Drawings	1.0
IMMT 68	Gaskets, Packing, Pumps, Drivers, Valves, and Lubrication	1.5
IMMT 69	Material Handling, Hand Rigging, Mobile and Support Equipment	1.5
IMMT 70	Basic Layout	1.0
IMMT 71	Introduction to Piping	1.0
IMMT 73	Identify, Install, and Maintain Valves	1.0
IMMT 74	Introduction to Bearings	1.0
IMMT 75	Introduction to Steam Systems	2.0
IMMT 76	Distillation Towers and Vessels	1.0
IMMT 77	Heaters, Furnaces, Heat Exchanges, Cooling	2.0
WELD 50A	Introduction to Welding	3.0
	<b>Major Units Required</b>	<b>20.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>1.0-20.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Certificate of Achievement, Industrial Maintenance Electrical and Instrumentation, Level 3

This certificate prepares students for entry level positions in industry and service occupations requiring skills in Industrial Electrical and Instrumentation.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Apply the skills necessary to implement electrical circuits following the National Electrical Code (NEC) guidelines.
- Recognize the required materials of the trade and have the ability to install them properly.
- Potentially receive industry recognized certifications in a variety of crafts.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BCTT 54	Safety Orientation	1.0
ELCT 70A	Electrical Safety and Hand Bending	1.0
ELCT 70B	Fasteners and Electrical Theory	1.0
ELCT 70C	Electrical Test Equipment, National Electrical Code (NEC)	2.0
ELCT 70D	Introduction to Electrical Blueprints	1.0
ELCT 70E	Electrical Level 1 Performance Testing	1.0
IMEI 80A	Alternating Current	2.0
IMEI 80B	Electrical and Instrumentation Test Equipment	1.0
IMEI 80C	Flow, Pressure, Level, and Temperature	1.0
IMEI 80D	Process Quantitative Skills	2.0
IMEI 80E	Process Tubing Installation and Testing	2.0
IMEI 80F	Introduction to Instrument Drawings and Documents	2.0
	<b>Total Units Required</b>	<b>17.0</b>

## Certificate of Achievement, Industrial Maintenance Electrical and Instrumentation, Level 2

This certificate prepares students for entry level positions in industry and service occupations requiring skills in Industrial Electrical and Instrumentation. This program is based on nationally recognized industry standards. Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Industrial Maintenance Electrical & Instrumentation Level 2.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Perform all the duties related to installing and maintaining electrical equipment in homes, businesses, factories, and infrastructure.
- Read blueprints and technical diagrams, installing conduit and wiring, lighting and control systems, inspecting electrical components like circuit breakers and transformers, identifying electrical problems, repairing or replacing wiring and equipment using hand and power tools.

Subject	Course Title	Units
<i>Required Core Courses</i>		
IMEI 80A	Alternating Current	2.0
IMEI 80B	Electrical and Instrumentation Test Equipment	1.0
IMEI 80C	Flow, Pressure, Level, and Temperature	1.0
IMEI 80D	Process Quantitative Skills	2.0
IMEI 80E	Process Tubing Installation and Testing	2.0
IMEI 80F	Introduction to Instrument Drawings and Documents	2.0
	<b>Total Units Required</b>	<b>10.0</b>

## Certificate of Career Preparation, Electrical Skills Level I

This certificate prepares students for entry level positions in industry and service occupations requiring electrical skills. This certificate provides a focused pathway for students to obtain knowledge and skills in the industrial electrical field.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Apply the skills necessary for electrical procedures following the National Electrical Code (NEC) guidelines.
- Demonstrate knowledge of the required tools, equipment, and materials of the trade and can operate them in a safe manner.
- Demonstrate knowledge of electrical theory and utilize electrical test equipment.

Subject	Course Title	Units
<i>Required Core Courses</i>		
ELCT 70A	Electrical Safety and Hand Bending	1.0
ELCT 70B	Fasteners and Electrical Theory	1.0
ELCT 70C	Electrical Test Equipment, National Electrical Code (NEC)	2.0
ELCT 70D	Introduction to Electrical Blueprints	1.0
ELCT 70E	Electrical Level 1 Performance Testing	1.0
	<b>Total Units Required</b>	<b>6.0</b>

## Certificate of Achievement, Industrial Maintenance Mechanic Technology, Level 3

This certificate prepares students for entry level positions in industry and service occupations requiring skills in Industrial Maintenance Mechanics. This program is based on nationally recognized industry standards.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate use of tools and equipment commonly used in the trade.
- Demonstrate the ability to use scribing and quantitative skills pertaining to a basic layout on the jobsite.
- Work with various types of piping, valves and perform basic hydrostatic and pneumatic testing on the jobsite.

Subject	Course Title	Units
<i>Required Core Courses</i>		
IMMT 60	Fundamentals of Industrial Maintenance	1.0
IMMT 62	Oxyfuel Cutting	1.0
IMMT 64	Craft Related Quantitative Skills	1.0
IMMT 66	Construction Drawings	1.0
IMMT 68	Gaskets, Packing, Pumps, Drivers, Valves, and Lubrication	1.5
IMMT 69	Material Handling, Hand Rigging, Mobile and Support Equipment	1.5
IMMT 70	Basic Layout	1.0
IMMT 71	Introduction to Piping	1.0
IMMT 73	Identify, Install, and Maintain Valves	1.0
IMMT 74	Introduction to Bearings	1.0
IMMT 75	Introduction to Steam Systems	2.0
IMMT 76	Distillation Towers and Vessels	1.0
IMMT 77	Heaters, Furnaces, Heat Exchanges, Cooling	2.0
	<b>Total Units Required</b>	<b>16.0</b>



## Certificate of Achievement, Industrial Maintenance Mechanic Technology, Level 2

This course of study prepares students for entry level positions in industry and service occupations requiring skills in Industrial Maintenance Mechanics. This program is based on nationally recognized industry standards. Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Industrial Maintenance Mechanic Level 2.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate use of tools and equipment commonly used in the trade.
- Demonstrate the ability to use scribing and quantitative skills pertaining to a basic layout on the jobsite.
- Work with various types of piping, valves and perform basic hydrostatic and pneumatic testing on the jobsite.

Subject	Course Title	Units
<i>Required Core Courses</i>		
IMMT 70	Basic Layout	1.0
IMMT 71	Introduction to Piping	1.0
IMMT 73	Identify, Install, and Maintain Valves	1.0
IMMT 74	Introduction to Bearings	1.0
IMMT 75	Introduction to Steam Systems	2.0
IMMT 76	Distillation Towers and Vessels	1.0
IMMT 77	Heaters, Furnaces, Heat Exchanges, Cooling	2.0
	<b>Total Units Required</b>	<b>9.0</b>

## Certificate of Career Preparation, Industrial Maintenance Mechanic Technology, Level 1

This certificate offers students the skills to begin a pathway to either the Industrial Maintenance Electrical and Instrumentation or Industrial Maintenance Mechanic Technology Certificate of Achievement or Associate of Science Degree.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Interpret construction drawings and effectively use craft related quantitative skills in an industrial setting.
- Identify, troubleshoot, and maintain a variety of gaskets, packets, pumps, drivers, valves, and lubrication used in the industry.
- Safely demonstrate the use of tools and equipment commonly used in the trade.

Subject	Course Title	Units
<i>Required Core Courses</i>		
IMMT 60	Fundamentals of Industrial Maintenance	1.0
IMMT 62	Oxyfuel Cutting	1.0
IMMT 64	Craft Related Quantitative Skills	1.0
IMMT 66	Construction Drawings	1.0
IMMT 68	Gaskets, Packing, Pumps, Drivers, Valves, and Lubrication	1.5
IMMT 69	Material Handling, Hand Rigging, Mobile and Support Equipment	1.5
	<b>Total Units Required</b>	<b>7.0</b>

# Welding Cluster

## Associate of Science Degree, Welding Technology

This degree prepares students for entry-level positions in industry and service occupations requiring skills in Welding Technology.

Upon completion of the graduation requirements and the required degree courses with at least a "C" grade or better on each course, the student will be awarded an Associate of Science, Welding Technology.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Apply the skills necessary for the Welding for the American Welding Society (AWS) guidelines.
- Demonstrate knowledge about the required materials of the trade and can operate equipment in a safe manner.
- Demonstrate skills necessary to receive industry recognized certification in the Shielded Metal Arc Welding (SMAW), Semi-Automatic Arc Welding (GMAW/FCAW), and Gas Tungsten Arc Welding (GTAW) processes. In addition, students will possess Blueprint Reading and Fabrication skills.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WELD 50A	Introduction to Welding	3.0
WELD 51	Shielded Metal Arc Welding and Cutting	3.0
WELD 52	Position Welding (Arc Welding)	3.0
WELD 56	Blueprint Reading (Metal Trades)	3.0
<b>Subtotal</b>		<b>12.0</b>
<i>Choose one course from the following</i>		
WELD 54A	Gas Metal Arc Welding (GMAW)	3.0
WELD 54B	Flux Cored Arc Welding (FCAW)	3.0
<b>Subtotal</b>		<b>3.0</b>
<i>Choose one course from the following</i>		
WELD 55A	Gas Tungsten Arc-Ferrous	3.0
WELD 55B	Gas Tungsten Arc-NonFerrous	3.0
<b>Subtotal</b>		<b>3.0</b>
<i>Choose one course from the following</i>		
WELD 57A	Welding Fabrication using Ferrous Metals	3.0
WELD 57B	Welding Fabrication using Non-Ferrous Metals	3.0
<b>Subtotal</b>		<b>3.0</b>
	<b>Major Units Required</b>	<b>21.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>0-16.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Certificate of Achievement, Welding Technology

This certificate prepares students for entry-level positions in industry and service occupations requiring skills in Welding Technology.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Apply the skills necessary for the Welding for the American Welding Society (AWS) guidelines.
- Demonstrate knowledge about the required materials of the trade and can operate equipment in a safe manner.
- Demonstrate skills necessary to receive industry recognized certification in the Shielded Metal Arc Welding (SMAW), Semi-Automatic Arc Welding (GMAW/FCAW), and Gas Tungsten Arc Welding (GTAW) processes. In addition, students will possess Blueprint Reading and Fabrication skills.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WELD 50A	Introduction to Welding	3.0
WELD 51	Shielded Metal Arc Welding and Cutting	3.0
WELD 52	Position Welding (Arc Welding)	3.0
WELD 56	Blueprint Reading (Metal Trades)	3.0
<b>Subtotal</b>		<b>12.0</b>
<i>Choose one course from the following</i>		
WELD 54A	Gas Metal Arc Welding (GMAW)	3.0
WELD 54B	Flux Cored Arc Welding (FCAW)	3.0
<b>Subtotal</b>		<b>3.0</b>
<i>Choose one course from the following</i>		
WELD 55A	Gas Tungsten Arc-Ferrous	3.0
WELD 55B	Gas Tungsten Arc-NonFerrous	3.0
<b>Subtotal</b>		<b>3.0</b>
<i>Choose one course from the following</i>		
WELD 57A	Welding Fabrication using Ferrous Metals	3.0
WELD 57B	Welding Fabrication using Non-Ferrous Metals	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>Total Units Required</b>		<b>21.0</b>

## Certificate of Achievement, Welding Technology-Gas Tungsten Arc Welding (GTAW)

This course of study advances student's opportunities for entry level positions in industry and service occupations requiring Welding Technology skills, specifically Gas Tungsten Arc Welding (GTAW). This Certificate of Achievement provides a focused pathway for students to obtain knowledge and skills in Gas Tungsten Arc Welding (GTAW).

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Welding Technology- Gas Tungsten Arc Welding (GTAW).

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Apply the skills necessary for the Welding for the American Welding Society (AWS) guidelines.
- Demonstrate knowledge about the required materials of the trade and can operate equipment in a safe manner.
- Demonstrate skills necessary to receive industry recognized certification in the Gas Tungsten Arc Welding (GTAW) process.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WELD 50A	Introduction to Welding	3.0
WELD 55A	Gas Tungsten Arc - Ferrous	3.0
WELD 55B	Gas Tungsten Arc - Non-Ferrous	3.0
WELD 56	Blueprint Reading (Metal Trades)	3.0
	<b>Total Units Required</b>	<b>12.0</b>

## Certificate of Achievement, Welding Technology-Shielded Metal Arc Welding (SMAW)

This course of study advances student's opportunities for entry level positions in industry and service occupations requiring Welding Technology skills, specifically Shielded Metal Arc Welding (SMAW). This Certificate of Achievement- Shielded Metal Arc Welding (SMAW) provides a focused pathway for students to obtain knowledge and skills in Shielded Metal Arc Welding (SMAW).

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Welding Technology- Shielded Metal Arc Welding (SMAW).

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Apply the skills necessary for the Welding for the American Welding Society (AWS) guidelines.
- Demonstrate knowledge about the required materials of the trade and can operate equipment in a safe manner.
- Demonstrate skills necessary to receive industry recognized certification in the Shielded Metal Arc Welding (SMAW) process.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WELD 50A	Introduction to Welding	3.0
WELD 51	Shielded Metal Arc Weld and Cut	3.0
WELD 52	Position Welding (Arc Welding)	3.0
WELD 56	Blueprint Reading (Metal Trades)	3.0
	<b>Total Units Required</b>	<b>12.0</b>

## Certificate of Achievement, Welding Technology- Semi-Automatic Arc Welding (GMAW/FCAW)

This course of study advances student's opportunities for entry level positions in industry and service occupations requiring Welding Technology skills, specifically Semi-Automatic Arc Welding (GMAW/FCAW). This Certificate of Achievement provides a focused pathway for students to obtain knowledge and skills in Semi-Automatic Arc Welding (GMAW/FCAW).

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Welding Technology- Semi-Automatic Arc Welding (GMAW/FCAW).

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Apply the skills necessary for the Welding for the American Welding Society (AWS) guidelines.
- Demonstrate knowledge about the required materials of the trade and can operate equipment in a safe manner.
- Demonstrate skills necessary to receive industry recognized certification in the Semi-Automatic Arc Welding (GMAW/FCAW) process.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WELD 50A	Introduction to Welding	3.0
WELD 54A	Gas Metal Arc Welding (GMAW)	3.0
WELD 54B	Flux Cored Arc Welding (FCAW)	3.0
WELD 56	Blueprint Reading (Metal Trades)	3.0
	<b>Total Units Required</b>	<b>12.0</b>

## Certificate of Achievement, Welding Technology- Welding Fabrication

This course of study advances student's opportunities for entry level positions in industry and service occupations requiring Welding Technology skills, specifically Welding Fabrication. This Certificate of Career Preparation provides a focused pathway for students to obtain knowledge and skills in Welding Fabrication.

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Welding Technology- Welding Fabrication.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Inspect and determine the welding process needed to perform fabrication or repair on ferrous material.
- Demonstrate fabrication of complex projects using one or more welding processes required on the welding procedure specification.
- Produce inspection qualify welds utilizing various welding processes under American Welding Society (AWS) standards.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WELD 50A	Introduction to Welding	3.0
WELD 57A	Welding Fabrication using Ferrous Metals	3.0
WELD 57B	Welding Fabrication using Non-Ferrous Metals	3.0
WELD 56	Blueprint Reading (Metal Trades)	3.0
	<b>Total Units Required</b>	<b>12.0</b>

## Certificate of Career Preparation, Pipe Welding

This certificate advances opportunities for entry level position in industry and service occupations requiring welding and provides a focused pathway for students to obtain knowledge and skills in pipe welding. Prerequisite requirement for this program will include WELD 51, 52, 54, 55, and 56.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Students will be able to apply the skills necessary for advanced topics of Welding following the American Welding Society (AWS) guidelines.
- Students will be knowledgeable about the required materials of the trade and can operate equipment in a safe manner.
- Students will have the skills necessary to receive industry recognized certification in SMAW, GMAW/FCAW, and GTAW on pipe.

Subject	Course Title	Units
<i>Required Core Courses</i>		
WELD 58A	Basic Pipe Welding - Shielded Metal Arc Welding	3.0
WELD 58B	Basic Pipe Welding - Gas Metal and Flux Cored Arc Welding	3.0
WELD 58C	Basic Pipe Welding - Gas Tungsten Arc Welding	3.0
	<b>Total Units Required</b>	<b>9.0</b>

# Personal & Career Exploration

## Associate of Arts Degree, Liberal Arts

The Associate degree in Liberal Arts is designed for students who wish to have a broad knowledge of the liberal arts and sciences plus additional coursework in an Area of Emphasis. Within this major, students who plan on transferring to a university can typically satisfy both their general education requirements as well as many pre-major requirements for transfer. Consult with a counselor for information regarding your intended major and the specific college or university of your choice.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Utilize the degree to begin working in the field or transfer to an accredited four-year university as a junior as a STEM major.
- Utilize the degree to begin working in the field or transfer to an accredited four-year university as a junior as an Arts, Communication, and Humanities major.
- Utilize the degree to begin working in the field or transfer to an accredited four-year university as a junior as a Social, Behavioral, and Pre-Professional major.

Subject	Course Title	Units
<b>Required:</b> Select one track. 18 units in one of the tracks and, within the track, a minimum of two courses in two different disciplines required.		
<b>Track 1: STEM Pathway</b>		
MATH 1	Trigonometry	4
MATH 1A	Innovative Pre-Calculus for STEM	
STAT C1000	Introduction to Statistics	4
MATH 3	College Algebra	3
MATH 4A	Calculus I	4
MATH 4B	Calculus II	4
MATH 4C	Calculus III	4
MATH 5	College Math: For Liberal Arts Majors	3
MATH 6	Mathematical Concepts for Elementary Teachers-Number Systems	3
MATH 9	Differential Equations	3
BIOL 1	Environmental Biology	3
BIOL 2(L)	Concepts in Biology	4
BIOL 4(L)	Human Anatomy	5
BIOL 5(L)	Human Physiology	5
BIOL 8(L)	Microbiology	5
BIOL 20A	Cell and Molecular Biology	4
BIOL 20B	Evolution and Organismal Biology	4
PSYC 11	Human Sexuality	3
OCEA 1	Introduction to the Marine Environment	3
ASTR 1	Introduction to Astronomy	4
CHEM 1A	Introductory Chemistry	4
CHEM 1B	Introductory Organic and Biochemistry	4
CHEM 2A	General Chemistry I	4
CHEM 2B	General Chemistry II	4
CHEM 10	Survey of Chemistry and Physics	4
GEOL 1L	Physical Geology	4
GEOL 4	The Age of the Dinosaurs	3
PHSC 2	Introduction to Earth Science	3
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4
PHYS 2B	General Physics II: Electricity and Magnetism	4
	<b>Subtotal</b>	<b>18.0</b>
<b>Track 2: Arts, Communication, and Humanities Pathway</b>		
ARTS 1	Art History and Appreciation: Prehistory through the Middle Ages	3

ARTS 2	Art History and Appreciation: Early Renaissance to Post Modern	3
ARTS 3	Two-Dimensional Design	3
ARTS 5	Three-Dimensional Design	3
ARTS 7	Drawing and Composition	3
ARTS 10A	Beginning Painting	3
ARTS 10B	Intermediate Painting	3
ARTS 13A	Asian Art History: Early Cultures	3
ARTS 16	Freehand Sketching	3
ARTS 17	Watercolor Painting	3
ARTS 18A	Beginning Ceramics	3
ARTS 18B	Intermediate Ceramics	3
ARTS 18C	Advanced Ceramics	3
ARTS 19	Beginning Sculpture	3
COMMC1000	Introduction to Public Speaking	3
COMM 2	Oral Interpretation of Literature	3
COMM 3	Interpersonal Communications	3
COMM 4	Argumentation and Debate	3
COMM 5	Introduction to Communication Theory	3
COMM 6	Intercultural Communication	3
ENGL C1000	Academic Reading and Writing	4
ENGL 1B	Introduction to Literature	3
ENGL C1001	Critical Thinking and Writing	4
ENGL 2	Survey of English Literature to the Romantic Era	3
ENGL 3	Survey of English Literature: Romantic Era to Present	3
ENGL 4	Introduction to Shakespeare	3
ENGL 5	Introduction to Children's Literature	3
ENGL 6	Bible as Literature	3
ENGL 7	Creative Writing	3
ENGL 11	Graphic Novel as Literature	3
ENGL 12	Survey of American Literature to 1865	3
ENGL 12B	Survey of American Literature II 1865-present	3
ENGL 13A	African-American Literature	3
HIST 1A	Survey of Western Civilization I: The Ancient Near East to 1648	3
HIST 1B	Survey of Western Civilization II: The Renaissance to the Present Day	3
HIST 2A	Survey of US History I: The Colonial Period through Reconstruction	3
HIST 2B	Survey of US History II: From the End of Reconstruction to the 21 <sup>st</sup> Century	3
HIST 4	The US in the 20 <sup>th</sup> Century	3
HIST 5	History of California	3
HIST 8A	Survey of World Civilizations I: From the Dawn of Humankind to the 1300's	3
HIST 8B	Survey of World Civilizations II: From the 1500's to the Present	3
HUMA 1	Humanities Through The Arts	3
HUMA 2	Antiquity to Renaissance	3
HUMA 3	Renaissance to Modern	3
HUMA 4	Survey of Film	3
HUMA 5	Multi-Cultural Mythology	3
MUSI 2	Music Appreciation (Classical)	3
MUSI 3	Music Appreciation (American Music)	3
MUSI 4A	Beginning College Choir	1
MUSI 4B	Intermediate College Choir	1
MUSI 4C	Advanced College Choir I	1
MUSI 4D	Advanced College Choir II	1
MUSI 5A	Beginning Concert Band	1
MUSI 5B	Intermediate Concert Band	1
MUSI 5C	Advanced Concert Band	1
MUSI 5D	Advanced Concert Band II	1
MUSI 6A	Beginning Symphonic Band	1



MUSI 6B	Intermediate Symphonic Band	1
MUSI 6C	Advanced Symphonic Band	1
MUSI 7A	Beginning Jazz Ensemble	1
MUSI 7B	Intermediate Jazz Ensemble	1
MUSI 7C	Advanced Jazz Ensemble	1
MUSI 7D	Masters Jazz Ensemble	1
MUSI 8A	Beginning Chamber Singers	1
MUSI 8B	Intermediate Chamber Singers	1
MUSI 8C	Advanced Chamber Singers I	1
MUSI 8D	Advanced Chamber Singers II	1
MUSI 12A	Beginning Piano I	2
MUSI 12B	Beginning Piano II	1
MUSI 12C	Intermediate Piano	1
PHIL 1	Introduction to Philosophy	3
PHIL 1C	Critical Thinking	3
PHIL 3	Logic	3
PHIL 4	Ethics	3
PHIL 5	World Religions	3
PHIL 6	Introduction to the Bible	3
PHIL 7	Ancient and Medieval Philosophy	3
PHIL 8	Modern Philosophy	3
PHIL 9	Philosophy of Religion	
PHIL 10	Philosophy of Cultural Diversity	
SPAN 1A	Beginning Spanish	4
SPAN 1B	Beginning Spanish II	4
TART 1	Beginning Acting	3
TART 3	Theatre Appreciation	3
TART 4A	Beginning Broadway Voice	1
TART 4B	Intermediate Broadway Voice	1
TART 4C	Advanced Broadway Voice I	1
TART 4D	Advanced Broadway Voice II	1
TART 5A	Beginning Contemporary Theatre Production	1.0-4.0
TART 5B	Intermediate Contemporary Theatre Production	1.0-4.0
TART 5C	Advanced Contemporary Theatre Production I	1.0-4.0
TART 5D	Advanced Contemporary Theatre Production II	1.0-4.0
TART 6	Intermediate Acting	3
TART 13A	Beginning Musical Theatre Production	1.0-4.0
TART 13B	Intermediate Musical Theatre Production	1.0-4.0
TART 13C	Advanced Musical Theatre Production I	1.0-4.0
TART 13D	Advanced Musical Theatre Production II	1.0-4.0
TART 23A	Beginning Jazz Dance	1
TART 24A	Beginning Modern Dance	1
	<b>Subtotal</b>	<b>18.0</b>
<b>Track 3: Social, Behavioral, and Pre- Professional Pathway</b>		
ADJU 1	Introduction to the Administration of Justice	3
ADJU 2	Principles and Procedures of the Justice System	3
ADJU 3	Concepts of Criminal Law	3
ADJU 4	Legal Aspects of Evidence	3
ADJU 5	Community Relations of Justice System	
ADJU 6	Concepts of Enforcement Services	3
ADJU 7	Principles of Investigation	3
ADJU 8	Juvenile Crime and Delinquency	3
ADJU 14	Introduction to Corrections	3

ADJU 15	Legal Aspects of Corrections	3
ADJU 16	Control and Supervision in Corrections	3
ADJU 17	Correctional Interviewing and Counseling	3
ADJU 18	Fundamentals of Probation and Parole	3
ANTH 1	Introduction to Cultural Anthropology	3
BADM 1	Business Law I	3
BADM 2	Business Law II	3
BADM 5	Introduction to Business	3
BADM 6	Business Communications	3
BADM 19	Marketing	3
CHLD 11A	Principles and Practices in Early Childhood Education	3
CHLD 12A	Creative Activities for Early Childhood Education	3
CHLD 14	Child Health, Safety and Nutrition	3
CHLD 15	Infants and Toddlers: Care and Education	3
CHLD 15A	Infants and Toddlers: Development	3
CHLD 17	Programs for School-Age Children: Curriculum and Teaching	3
CHLD 17A	Activities for School-Age Children	3
CHLD 19A	Administration I: Programs in Early Childhood Education	3
CHLD 19B	Administration II: Personnel and Leadership in Early Childhood Education	3
CHLD 19C	Adult Supervision and Mentoring in Early Childhood Education	3
CHLD 20	Observation and Assessment	3
CHLD 25	Teaching in a Diverse Society	3
CHLD 30	Child Language Development	3
CHLD 30A	Early Childhood Literacy	3
CHLD 35	Introduction to Children with Special Needs	3
CHLD 35A	Children with Challenging Behaviors	3
CHLD 49	Practicum – Field Experience	4
CHLD 4	Child Growth and Development	3
CHLD 6	Child, Family, Community	3
CHLD 61	Family Daycare Provider	3
CHLD 9	Introduction to Early Childhood Curriculum	3
COUN 5	Career and Life Planning	3
ECON 1	Macroeconomics	3
ECON 2	Microeconomics	3
ETHN 1	Introduction to Ethnic Studies	3
ETHN 5	Introduction to the Latinx Experience	3
ETHN 6	Introduction to African American Studies	3
GEOG 3	World Regional Geography	3
HIST 1A	Survey of Western Civilization I: The Ancient Near East to 1648	3
HIST 1B	Survey of Western Civilization II: The Renaissance to the Present Day	3
HIST 2A	Survey of US History I: The Colonial Period through Reconstruction	3
HIST 2B	Survey of US History II: From the End of Reconstruction to the 21 <sup>st</sup> Century	3
HIST 4	The US in the 20 <sup>th</sup> Century	3
HIST 5	History of California	3
HIST 8A	Survey of World Civilizations I: From the Dawn of Humankind to the 1300's	3
HIST 8B	Survey of World Civilizations II: From the 1500's to the Present	3
POLS C1000	American Government and Politics	3
POLS 2	Comparative Government	3
POLS 3	Introduction to International Relations	3
PSYC C1000	Introduction to Psychology	3
PSYC 11	Human Sexuality	3
PSYC 12	Research Methods in Psychology	3
PSYC 14	Introduction to Drug and Alcohol Studies	3
PSYC 15	Introduction to Guidance and Counseling	3
PSYC 2	Developmental Psychology	3
PSYC 6	Adult Development and Aging	3

SOCI 1	Introduction to Sociology	3
SOCI 10	Introduction to Criminology	3
SOCI 12	Research in Social Sciences	3
SOCI 2	American Social Problems	3
SOCI 20	Introduction to Social Justice	3
SOCI 22	Introduction to LGBTQ Studies	3
SOCI 25	Introduction to Social Work	3
SOCI 3	Sociology of Modern Family Life	3
SOCI 7	Introduction to Race and Ethnicity	3
SOCI 9	Sociology of Gender	3
	<b>Subtotal</b>	<b>18.0</b>
	<b>Major Units Required</b>	<b>18.0</b>
	<b>General Education Course Work</b>	<b>24.0-37.0</b>
	<b>Electives Required</b>	<b>5.0-18.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Social Behavioral Sciences

### Associate of Arts 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.

Upon completion of the Associate of Arts in History for Transfer Degree, History 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 History for Transfer Degree, will have satisfied the lower division requirements for transfer into History or similar major for many campuses in the California State University system.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
    - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
    - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
  - (2) Obtainment of a minimum grade point average of 2.0.
- ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate a thorough 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 and 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 Reconstruction to the 21st Century	3.0
<b>Subtotal</b>		<b>6.0</b>
<b>List A, Area 1:</b> <i>Choose one course from the following</i>		
HIST 1A	Survey of Western Civilization I: The Ancient Near East to 1648	3.0
HIST 8A	Survey of World Civilizations I: From the Dawn of Humankind to the 1300's	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>List A, Area 2:</b> <i>Choose one course from the following</i>		
HIST 1B	Survey of Western Civilization II: The Renaissance to the Present Day	3.0
HIST 8B	Survey of World Civilizations II: From the 1500's to the Present	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>List B, Area 1 Diversity:</b> <i>Choose one course from the following not previously used in List A</i>		
HIST 1A	Survey of Western Civilization I: The Ancient Near East to 1648	3.0
HIST 1B	Survey of Western Civilization II: The Renaissance to the Present Day	3.0
HIST 8A	Survey of World Civilizations I: From the Dawn of Humankind to the 1300's	3.0
HIST 8B	Survey of World Civilizations II: From the 1500's to the Present	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>List B, Area 2:</b> <i>Choose one course from the following or any one course not previously used from List A</i>		
HIST 4	The US in the 20th Century	3.0
HIST 5	History of California	3.0
POLS C1000	American Government and Politics	3.0
POLS 2	Comparative Government	3.0
PSYC C1000	Introduction to Psychology	3.0
SOCI 1	Introduction to Sociology	3.0
<b>Subtotal</b>		<b>3.0</b>
	<b>Major Units Required</b>	<b>18.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>11.0-17.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Arts 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.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
    - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
    - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
  - (2) Obtainment of a minimum grade point average of 2.0.
- ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### 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 the power, and technology in formal governmental institutions and non-governmental institutions, form 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>		
POLS C1000	American Government and Politics	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>List A: Choose any 3 courses from the following</b>		
POLS 2	Comparative Government	3.0
POLS 3	Introduction to International Relations	3.0
POLS 4	Introduction to Political Theory and Thought	3.0
STAT C1000	Introduction to Statistics	4.0
<b>Subtotal</b>		<b>10.0</b>
<b>List B: Choose any 2 courses from the following</b>		
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 21 <sup>st</sup> Century	3.0
PSYC C1000	Introduction to Psychology	3.0
SOCI 1	Introduction to Sociology	3.0

SOCI 12	Research in Social Sciences	3.0
<b>Subtotal</b>		<b>6.0</b>
	<b>Major Units Required</b>	<b>19.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>16.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Arts 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.

Upon completion of the Associate in Arts in Psychology 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 Associate in Arts in Psychology for Transfer will have satisfied the lower division requirements for transfer into Psychology or similar major for many campuses in the California State University system.

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

(A) The California General Education Transfer Curriculum (Cal-GETC) requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

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

Subject	Course Title	Units
<b>Required Core Courses</b>		
PSYC C1000	Introduction to Psychology	3.0
PSYC 12	Research Methods in Psychology	3.0
STAT C1000	Introduction to Statistics	4.0
<b>Subtotal</b>		<b>10.0</b>
<b>List A: Choose one course from the following</b>		
BIOL 2	Concepts in Biology	4.0
<b>Subtotal</b>		<b>4.0</b>
<b>List B: Choose one course from the following</b>		
PSYC 11	Human Sexuality	3.0
PSYC 2	Developmental Psychology	3.0
SOCI 1	Introduction to Sociology	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>List C: Choose one course from the following or any course not previously used in List A or B</b>		
PSYC 14	Introduction to Drug and Alcohol Studies	3.0
PSYC 15	Introduction to Guidance and Counseling	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>Major Units Required</b>		<b>20.0</b>
<b>Cal-GETC General Education Coursework</b>		<b>34.0</b>
<b>Transferable Electives Required</b>		<b>16.0-19.0</b>
<b>Total Units Required</b>		<b>60.0</b>

## Associate of Arts 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.

Upon completion of the Associate in Arts in Sociology 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 Associate in Arts in Sociology for Transfer will have satisfied the lower division requirements for transfer into Sociology or similar major for many campuses in the California State University system.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate knowledge of the three major 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
SOCI 2	American Social Problems	3.0
STAT C1000	Introduction to Statistics	4.0
<b>Subtotal</b>		<b>10.0</b>
<i>Choose two courses from the following</i>		
SOCI 12	Research in Social Sciences	3.0
SOCI 3	Sociology of Modern Family Life	3.0
SOCI 7	Introduction to Race and Ethnicity	3.0
SOCI 9	Sociology of Gender	3.0
SOCI 10	Introduction to Criminology	3.0
<b>Subtotal</b>		<b>6.0</b>
<i>Choose one course from the following or any course listed above not already used</i>		
SOCI 25	Introduction to Social Work	3.0
ANTH 1	Introduction to Cultural Anthropology	3.0
PSYC C1000	Introduction to Psychology	3.0
ADJU 1	Introduction to Administration of Justice	3.0
<b>Subtotal</b>		<b>3.0</b>
	<b>Major Units Required</b>	<b>19.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>13.0-16.0</b>



	<b>Total Units Required</b>	<b>60.0</b>
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# Social Justice

## Associate of Arts Degree for Transfer, Social Justice

An Associate in Arts in Social Justice Studies for Transfer Degree will prepare students to be agents of change for a wide variety of social-justice related vocations including teaching, counseling, advocacy, and non-profit work. Students in the Social Justice Program will examine issues of diversity, equity, and marginalization. Students will make an examination of the complex relationships that exist among social justice and the broader cultural, economic, social, and political structures that operate in society.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

## Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate familiarity with theories and theoretical perspectives, concepts, findings, assessments, problems, institutions, history, and trends within the field of Social Justice.
- Articulate perspectives of social justice, institutional oppression, marginalized groups, intersectional identities, and social institutions.

Subject	Course Title	Units
<b>Required Core:</b> Choose one course from the following		
SOCI 9	Sociology of Gender	3.0
SOCI 22	Introduction to LGBTQ Studies	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>Required Core:</b> Choose one course from the following		
SOCI 7	Introduction to Race and Ethnicity	3.0
SOCI 20	Introduction to Social Justice	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>Required Core:</b> Choose one course from the following or any course not previously used from Required Core		
ETHN 1	Introduction to Ethnic Studies	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>List A:</b> Choose any 3 courses from the following from at least 2 of the following Areas (only one course from Area 4 may be used)		
<b>Area 1: History or Government</b>		
HIST 2A	Survey of US History I: The Colonial Period through Reconstruction	3.0
<b>Area 2: Arts and Humanities</b>		
ENGL 1B	Introduction to Literature	3.0
<b>Area 3: Social Science</b>		
SOCI 2	American Social Problems	3.0
ANTH 1	Introduction to Cultural Anthropology	3.0
PSYC C1000	Introduction to Psychology	3.0
SOCI 10	Introduction to Criminology	3.0

<b>Area 4: Quantitative Reasoning and Research Methods</b>		
STAT C1000	Introduction to Statistics	4.0
SOCI 12	Research in Social Sciences	3.0
<b>Subtotal</b>		<b>9.0-10.0</b>
<b>Major Units Required</b>		<b>18.0-19.0</b>
<b>Cal-GETC General Education Coursework</b>		<b>34.0</b>
<b>Transferable Electives Required</b>		<b>16.0-23.0</b>
<b>Total Units Required</b>		<b>60.0</b>

## 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.

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

(A) The California General Education Transfer Curriculum (Cal-GETC) requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### 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.

<b>Subject</b>	<b>Course Title</b>	<b>Units</b>
<i>Required Core Courses</i>		
ADJU 1	Introduction to the Administration of Justice	3.0
ADJU 3	Concepts of Criminal Law	3.0
<b>Subtotal</b>		<b>6.0</b>
<b>List A: Choose any 2 courses from the following</b>		
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	3.0
ADJU 14	Introduction to Corrections	3.0
<b>Subtotal</b>		<b>6.0</b>
<b>List B: Choose any 2 courses from the following or any course not previously used from List A</b>		
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
STAT C1000	Introduction to Statistics	4.0
PSYC C1000	Introduction to Psychology	3.0

SOCI 1	Introduction to Sociology	3.0
SOCI 12	Research in Social Sciences	3.0
<b>Subtotal</b>		<b>6.0-7.0</b>
	<b>Major Units Required</b>	<b>18.0-19.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>10.0-17.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Science Degree, 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.

Upon completion of the graduation requirements and the required degree courses with at least a "C" grade or better on each course, the student will be awarded an Associate of Science in Administration of Justice.

### 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 such evidence is 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 2	Principles and Procedures of the Justice System	3.0
ADJU 3	Concepts of Criminal Law	3.0
ADJU 4	Legal Aspects of Evidence	3.0
ADJU 5	Community Relations of the Justice System	3.0
<b>Subtotal</b>		<b>15.0</b>
<i>Choose any 2 courses from the following</i>		
ADJU 6	Concepts of Enforcement Services	3.0
ADJU 7	Principles of Investigation	3.0
ADJU 8	Juvenile Crime and Delinquency	3.0
ADJU 14	Introduction to Corrections	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
<b>Subtotal</b>		<b>6.0</b>
	<b>Major Units Required</b>	<b>21.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>0-19.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Certificate of Achievement, Administration of Justice

The certificate was designed to enhance student success, leadership development, and career/workforce opportunities, enabling all in the community to thrive in a changing global society. The Administration of Justice program provides students with an understanding of the U.S. Criminal Justice system and introduces students to job opportunities in Law Enforcement, Corrections, and the Courts. This certificate is 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 2	Principles and Procedures of the Justice System	3.0
ADJU 3	Concepts of Criminal Law	3.0
ADJU 4	Legal Aspects of Evidence	3.0
ADJU 5	Community Relations of the Justice System	3.0
<b>Subtotal</b>		<b>15.0</b>
<i>Choose any 2 courses from the following</i>		
ADJU 6	Concepts of Enforcement Services	3.0
ADJU 7	Principles of Investigation	3.0
ADJU 8	Juvenile Crime and Delinquency	3.0
ADJU 14	Introduction to Corrections	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
<b>Subtotal</b>		<b>6.0</b>
<b>Total Units Required</b>		<b>21.0</b>

## Certificate of Achievement, Corrections

The certificate was designed to enhance student success, leadership development, and career/workforce opportunities, enabling all in the community to thrive in a changing global society. The Corrections program provides students with the entry-level skills necessary to be employed in corrections. It also prepares students for entry into and/or advancement within management career patterns of the Corrections field. Preparation for ongoing study of the field is also provided.

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement in Corrections.

### 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 14	Introduction to Corrections	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
	<b>Total Units Required</b>	<b>18.0</b>

# STEM

## Allied Health Cluster

### Associate of Science Degree, Pre-Allied Health Sciences

The Associate of Science Degree in Pre-Allied Health Sciences is a single degree pathway for students pursuing a Bachelor's degree in nursing, nutrition, dietetics and other related allied health fields. Health science fields are interdisciplinary in that professionals must have a strong background in science, while also demonstrating strong communication and empathy towards patients.

Career opportunities: Registered nurse, registered dietitian, physician assistant, nurse practitioner, licensed vocational nurse, veterinary technician, laboratory technician, certified nursing assistant

Seat limitations: Science laboratory classes have a maximum enrollment of 26 students due to laboratory space limitations

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Pre-Allied Health Sciences Associate of Science.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate knowledge of biochemical reactions and processes that occur within the human body.
- Demonstrate understanding of the effects of food, drugs, and alcohol on the overall health of a person.
- Communicate effectively with patients and the public about health and nutrition.
- Effectively demonstrate the ability to perform in a laboratory-type environment.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BIOL 4	Human Anatomy	5.0
BIOL 5	Human Physiology	5.0
BIOL 8	Microbiology	5.0
STAT C1000 <b>OR</b> MATH 3	Introduction to Statistics <b>OR</b> College Algebra	4.0
CHEM 1A	Introductory Chemistry	4.0
CHEM 1B	Introductory Organic and Biochemistry	4.0
PSYC C1000	Introduction to Psychology	3.0
SOCI 1	Introduction to Sociology	3.0
PSYC 2	Developmental Psychology	3.0
HEAL 2 <b>OR</b> HEAL 1	Nutrition <b>OR</b> Health Education	3.0
	<b>Major Units Required</b>	<b>39.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>0.0-1.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Certificate of Achievement, Emergency Medical Technician

This program of study will qualify students for National Registry of EMT's Testing/Certification which is required by the State of California and the [Inland Counties Emergency Medical Agency \(IC EMA\)](#).

Healthcare Provider or Equivalent CPR Card Required for ALHT 55A

[State of California Title 22, Division 9: Prehospital Emergency Medical Services Article 3, Pg. 116.](#)

Instructional materials fees required for AHLT 51 and AHLT 63.

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded a Certificate of Achievement, Emergency Medical Technician.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Apply scientific knowledge in providing prehospital and emergency medical care while using effective communication and interpersonal skills with patients and other health care workers.
- Provide competent and safe care in a variety of settings to a group of patients with diverse needs across the life span by demonstrating knowledgeable decision making and judgement based on critical thinking, clinical competence, accountability and collaboration with the patient and health care team.
- To prepare completers who are eligible to seek licensure as EMTs and that meet the expectations of the EMS Community.

Subject	Course Title	Units
<i>Required Core Courses</i>		
AHLT 55A	Emergency Medical Technician - Basic	9.0
AHLT 51	First Aid and Personal Safety	0.5
AHLT 63	Basic CPR	0.5
<b>Subtotal</b>		<b>10.0</b>
<i>Choose any course from the following:</i>		
COMM C1000	Introduction to Public Speaking	3.0
COMM 3	Interpersonal Communications	3.0
<b>Subtotal</b>		<b>3.0</b>
<i>Choose any 2 courses from the following:</i>		
ADJU 1	Introduction to the Administration of Justice	3.0
ADJU 5	Community Relations of the Justice System	3.0
ADJU 8	Juvenile Crime and Delinquency	3.0
PSYC C1000	Introduction to Psychology	3.0
PSYC 14	Introduction to Drug and Alcohol Studies	3.0
SOCI 1	Introduction to Sociology	3.0
SOCI 2	American Social Problems	3.0
<b>Subtotal</b>		<b>6.0</b>
<b>Total Units Required</b>		<b>19.0</b>



# Life Sciences Cluster

## Associate of Science Degree for Transfer, Biology

The Associate of Science in Biology for Transfer prepares students to think like scientists, using concept-based knowledge in biology. The biology professors of BCC are dedicated to teaching biology and preparing future biologists to discover new biological information. As a discipline, biology integrates fundamental science ideas and unifying concepts with the scientific method to expand our understanding of the natural world. We endeavor to provide an academic program that supports student preparation and integration of biological ideas.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Develop an appreciation and understanding of evolution and the diversity of life.
- Provide an understanding of the mechanics, application, and limitations of the scientific process.
- Demonstrate the relationships between structure, function, and energy in living systems.
- Enhance written and oral communication skills appropriate to biology.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BIOL 20A	Cell and Molecular Biology	4.0
BIOL 20B	Evolution and Organismal Biology	4.0
CHEM 2A	General Chemistry I	5.0
CHEM 2B	General Chemistry II	5.0
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4.0
PHYS 2B	General Physics II: Electricity and Magnetism	4.0
MATH 4A	Calculus I	4.0
	<b>Major Units Required</b>	<b>30.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>6.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Science Degree for Transfer, Environmental Science

The Associate in Science in Environmental Science for Transfer Degree, prepares students to think like scientists, using concept-based knowledge in multiple scientific fields. The professors of BCC are dedicated to teaching environmental science in an interdisciplinary manner that prepares future scientists to discover and convey new information. As a discipline, environmental science integrates fundamental science ideas and unifying concepts with the scientific method to expand our understanding of the natural world. We endeavor to provide an academic program that supports student preparation and integration of scientific ideas. We endeavor to provide an academic program that supports student preparation and integration of scientific ideas.

Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

(A) The California General Education Transfer Curriculum (Cal-GETC) requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Describe Earths' environmental systems including conditions, processes, and functions of the atmosphere, hydrosphere, lithosphere, and biosphere.
- Compare perspectives of the social sciences and humanities to critically understand human perceptions of the environment.
- Integrate scientific and humanistic approaches to address complex environmental issues.
- Apply diverse methods to collect, analyze, and communicate information about the environment.

Subject	Course Title	Units
<i>Required Core Courses</i>		
BIOL 1	Environmental Biology	3.0
BIOL 20A	Cell and Molecular Biology	4.0
CHEM 2A	General Chemistry I	5.0
CHEM 2B	General Chemistry II	5.0
ECON 2	Microeconomics	3.0
GEOL 1L	Physical Geology	4.0
STAT C1000	Introduction to Statistics	4.0
MATH 4A	Calculus I	4.0
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4.0
PHYS 2B	General Physics II: Electricity and Magnetism	4.0
	<b>Major Units Required</b>	<b>40.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>0.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Arts Degree for Transfer, Kinesiology

The Associate in Arts 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 23-25 units in required courses and restricted electives from the categories below as indicated.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Level 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 relationships to wellness and fitness.

Subject	Course Title	Units
<b>Required Core Courses</b>		
KINL 1	Introduction to Kinesiology	3.0
BIOL 4	Human Anatomy	5.0
BIOL 5	Human Physiology	5.0
<b>Subtotal</b>		<b>13.0</b>
<b>Movement Based Courses:</b> Choose one course from three separate Areas for a minimum of 3 units		
<b>Area 2: Combatives</b>		
KINA 30A	Beginning Self-Defense and Karate	0.5 - 1.0
KINA 31A	Beginning Cardio Kickboxing	0.5 - 1.0
<b>Subtotal</b>		<b>1.0</b>
<b>Area 4: Fitness</b>		
KINA 3A	Circuit Weight Training-Machines Only	0.5 - 1.0
KINA 4A	Basic Weight Training and Conditioning	0.5 - 1.0
KINA 5A	Cardiovascular Lab	0.5 - 1.0
KINA 6A	Fitness-Walking, Jogging, Running	0.5 - 1.0
<b>Subtotal</b>		<b>0.5 - 1.0</b>
<b>Area 5: Individual Sports</b>		
KINA 21A	Beginning Tennis	0.5 - 1.0
KINA 22A	Beginning Badminton	0.5 - 1.0
KINA 23A	Beginning Golf	0.5 - 1.0
		<b>1.0</b>
<b>Area 6: Team Sports</b>		
KINA 16A	Beginning Volleyball	0.5 - 1.0
KINA 17A	Beginning Basketball	0.5 - 1.0

KINA 18A	Beginning Softball	0.5 - 1.0
<b>Subtotal</b>		<b>1.0</b>
<b>List A: Choose any 2 courses from the following</b>		
CHEM 2A	General Chemistry I	5.0
KINL 23	First Aid and Safety	3.0
STAT C1000	Introduction to Statistics	4.0
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4.0
<b>Subtotal</b>		<b>7.0-9.0</b>
<b>Units Required in Major</b>		<b>23.0-25.0</b>
<b>Cal-GETC General Education Coursework</b>		<b>34.0</b>
<b>Electives Required</b>		<b>8.0-13.0</b>
<b>Total Units Required</b>		<b>60.0</b>

## Associate of Science Degree, Kinesiology, Professional Preparation

The Kinesiology Professional Preparation, AS degree prepares students for career opportunities in the Health Fitness industry. Students with an AS degree in Kinesiology Professional Preparation may pursue careers in a variety of health Fitness professions including personal training, parks and recreation, head and assistant coaching and many others career options. The completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation to work in the Health and Wellness industry. The Kinesiology Professional Preparation, AS degree requires a total of 24-26 units in required courses from the categories below as indicated.

Upon completion of the required courses with at least a "C" grade or better in each course, the student will be awarded an Associates of Science in Kinesiology: Professional Preparation.

### Program Level Outcomes

Upon successful completion, the student will be able to:

- Demonstrate an understanding of the concepts and principles of Health fitness and specific motor skills; value physical activity and become a lifelong participant in physical activity.
- Formulate a health-enhancing level of physical fitness; and implement the specific activity with an adequate degree of proficiency.
- Interpret orally, and in written form, understanding of the theory and concepts of Kinesiology and their application within the field.

Subject	Course Title	Units
<i>Required Core Courses</i>		
KINL 1	Introduction to Kinesiology	3.0
KINL 2	Movement Anatomy	3.0
KINL 3	Principles of Movement	3.0
KINL 4	Physical Fitness and Wellness	3.0
KINL 5	Principles of Athletic Training	3.0
KINL 6	Foundations of Sport Psychology	3.0
<b>Subtotal</b>		<b>18.0</b>
<i>Choose any course from the following:</i>		
HEAL 2	Nutrition	3.0
<b>Subtotal</b>		<b>3.0</b>
<i>Choose any course from the following (must complete at least 1 unit):</i>		
AHLT 51	First Aid and Personal Safety <b>AND</b>	0.5
AHLT 63	Basic CPR	0.5
KINL 23	First Aid and Safety	3.0
<b>Subtotal</b>		<b>1.0-3.0</b>
<i>Choose 2 courses from 2 different areas:</i>		
<b>Area 2: Combatives</b>		

KINA 30A	Beginning Self-Defense and Karate	0.5 - 1.0
KINA 31A	Beginning Cardio Kickboxing	0.5 - 1.0
<b>Area 4: Fitness</b>		
KINA 3A	Circuit Weight Training-Machines Only	0.5 - 1.0
KINA 4A	Basic Weight Training and Conditioning	0.5 - 1.0
KINA 5A	Cardiovascular Lab	0.5 - 1.0
KINA 6A	Fitness-Walking, Jogging, Running	0.5 - 1.0
<b>Area 5: Individual Sports</b>		
KINA 21A	Beginning Tennis	0.5 - 1.0
KINA 22A	Beginning Badminton	0.5 - 1.0
KINA 23A	Beginning Golf	0.5 - 1.0
<b>Area 6: Team Sports</b>		
KINA 16A	Beginning Volleyball	0.5 - 1.0
KINA 17A	Beginning Basketball	0.5 - 1.0
KINA 18A	Beginning Softball	0.5 - 1.0
<b>Subtotal</b>		<b>2.0</b>
	<b>Major Units Required</b>	<b>24.0-26.0</b>
	<b>General Education Coursework</b>	<b>20.0-39.0</b>
	<b>Electives Required</b>	<b>0-16.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Math & Computer Science Cluster

### Associate of Science Degree for Transfer, Computer Science

Computer science is the study of the theory and methods of processing information in digital computers, the design of computer software and hardware, and the applications of computers. Students will learn about programming fundamentals, discrete structures, data structures and computer architecture along, with specific programming languages.

Students must complete the following Associate Degree for Transfer requirements:

- (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:
  - (A) The California General Education Transfer Curriculum (Cal-GETC) requirements.
  - (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
- (2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Design and implement algorithms using pseudocode computer program to solve real world applications.
- Demonstrate knowledge of basic concepts in Data Structures; such as linked lists, stacks, queues, and hash tables.
- Understand the organizational structure of computer hardware and its relation to computer software.

Subject	Course Title	Units
<i>Required Core Courses</i>		
CSIS 33	Programming Concepts and Methodology I Using C++	3.0
CSIS 35	Data Structures	3.0
CSIS 10	Computer Architecture and Organization with Assembly Programming	3.0
CSIS 18	Discrete Structures	3.0

MATH 4A	Calculus I	4.0
MATH 4B	Calculus II	4.0
CHEM 2A	General Chemistry I	5.0
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4.0
	<b>Major Units Required</b>	<b>29.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>4.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Associate of Science Degree for Transfer, Mathematics

The Associate in Science in Mathematics for Transfer will allow students to seamlessly transfer to a CSU campus 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. The student will acquire the ability to apply the principles of statistics, differential and integral calculus of one and several variables, and differential equations.

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

(A) The California General Education Transfer Curriculum (Cal-GETC) requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0.

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Interpret and draw inferences from mathematical models such as formulas, graphs, and tables.
- Utilize a variety of problem-solving techniques and strategies to identify, analyze, and solve problems.
- Create and analyze mathematical models of real world and/or theoretical situations, including the implications and limitations of those models.

Subject	Course Title	Units
<i>Required Core Courses</i>		
MATH 4A	Calculus I	4.0
MATH 4B	Calculus II	4.0
MATH 4C	Calculus III	4.0
<b>Subtotal</b>		<b>12.0</b>
<b>List A: Choose 1 course from the following</b>		
MATH 9	Ordinary Differential Equations	3.0
<b>Subtotal</b>		<b>3.0</b>
<b>List B: Choose 1 course from the following</b>		
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4.0
STAT C1000	Introduction to Statistics	4.0
<b>Subtotal</b>		<b>4.0</b>
	<b>Major Units Required</b>	<b>19.0</b>
	<b>Cal-GETC General Education Coursework</b>	<b>34.0</b>
	<b>Transferable Electives Required</b>	<b>10.0-14.0</b>
	<b>Total Units Required</b>	<b>60.0</b>

## Physical Sciences Arts Cluster

### Associate of Science Degree for Transfer, Chemistry

The Associate in Science in Chemistry for Transfer Degree prepares students to think like scientists, using concept-based knowledge in chemistry.

Students must complete the following Associate Degree for Transfer requirements:

(1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including:

(A) The California General Education Transfer Curriculum (Cal-GETC) requirements.

(B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.

(2) Obtainment of a minimum grade point average of 2.0. ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A "P" (Pass) grade is an acceptable grade for courses in the major.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Know the general principles of chemistry. Compare and contrast physical and chemical reactivity from molecular structure. Perform standard stoichiometric, solution, kinetic and thermodynamic calculations.
- Know the common reactions of elements and compounds. Know the common methods of functional group interconversions.
- Practice and demonstrate accurate quantitative measurements, analyze and interpret experimental results, and draw reasonable conclusions.
- Perform chemical reactions, followed by separation, purification, and identification using modern chemical and spectroscopic analysis.

Subject	Course Title	Units
<i>Required Core Courses</i>		
CHEM 2A	General Chemistry I	5.0
CHEM 2B	General Chemistry II	5.0
CHEM 3A	Organic Chemistry I	5.0
CHEM 3B	Organic Chemistry II	5.0
PHYS 2A	General Physics I: Mechanics of Solids and Fluids	4.0
PHYS 2B	General Physics II: Electricity and Magnetism	4.0
MATH 4A	Calculus I	4.0
MATH 4B	Calculus II	4.0
	<b>Major Units Required</b>	<b>36.0</b>
	<b>CSU-GE or IGETC for STEM General Education Coursework</b>	<b>31.0-33.0</b>
	<b>Transferable Electives Required</b>	<b>0.0</b>
	<b>Total Units Required</b>	<b>60.0</b>



# Non-Credit Certificates

## Certificate of Completion, Basic Skills Education Program

This program is primarily designed for military service members to improve scores on the TABE test and AFCT test (Armed Forces Competency Test). Unlikely to succeed students will improve their success rates in college courses after completing this certificate.

This program is for students to improve their study of mathematics, reading, grammar, writing, and vocabulary skills. Students will learn mathematics skills including the following mathematical concepts: whole numbers, fractions, decimals, percents, conversion of measures, story problems, basic geometry, and basic algebra. The reading skills include main ideas, restatement, inference, and supporting details. Vocabulary skills include Latin and Greek roots and prefixes and utilizing vocabulary in context. Students will learn how to identify and use effective grammar and sentence structure. They will learn how to express meaning and use effective grammar and sentence structure.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Attain proficiency on an evaluation test such as the TABE or CASAS test: Math Section
- Attain proficiency on an evaluation test such as the TABE or CASAS test: English Section
- Attain GT score to 110 on the Armed Forces Competency Test.

Subject	Course Title	Hours
<i>Required Core Courses</i>		
SDEV 161	Basic Skills Instruction - Reading/Vocabulary/Grammar	18.0 -108.0
SDEV 162	Basic Skills Instruction – Mathematics	18.0 -108.0
	<b>Total Hours Required</b>	<b>36.0 – 216.0</b>

## Certificate of Completion, Customer Service and Digital Literacy

The Customer Service and Digital Literacy Certificate of Completion is designed to prepare students for the employment market at the entry-level in Essential Skills, Customer Service and Computer Digital Literacy in all sizes and types of organizations. The program covers developing skills essential in the workplace, gaining knowledge required to work in a customer-centered position, and learning about basic computer digital concepts. It also prepares student for a career in customer service as representative, personal assistant, associate, bank teller, and cashier, with knowledge in technology and standard office tools like Microsoft Office, email applications, search engines, social media, and team communications platforms.

Upon completion of the required courses, the student will be awarded a Certificate of Completion in Customer Service and Digital Literacy.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Assess workplace scenarios that build the essential skills: communication, critical thinking, problem solving, ethics, and teamwork.
- Demonstrate an understanding of trends in Customer Service for the 21<sup>st</sup> Century.
- Apply skills in the use of digital technology to access learning and career opportunities.

Subject	Course Title	Hours
<i>Required Core Courses</i>		
CUST 110	Customer Service and Sales	18.0
CUST 100	Essential Skills	18.0
CBIS 101	Digital Literacy	18.0
	<b>Total Hours Required</b>	<b>54.0</b>

## Certificate of Completion, Forklift Professional

The Forklift Professional Certificate of Completion is designed to prepare students for the employment market for jobs requiring entry-level skills in forklift operations. Upon successful completion of the program, the student will receive certification in accordance with CalOSHA to test for a forklift license in California. The program also covers high demand skills including: developing skills essential in the workplace and basic computer digital concepts.

Upon completion of the required courses, the student will be awarded a Certificate of Completion, Forklift Professional.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Describe types of, understand inspection requirements and understand how to operate and drive a powered industrial truck (forklift).
- Assess workplace scenarios that build the essential skills: communication, critical thinking, problem solving, ethics, and teamwork.
- Perform basic computer tasks using modern computer hardware and software, gain entry-level skills in word processing, spreadsheet, and presentation software, and demonstrate the use of appropriate search techniques to locate information on the internet.

Subject	Course Title	Hours
<i>Required Core Courses</i>		
WARE 100	Forklift Operations	18.0
CUST 100	Essential Skills	18.0
CBIS 101	Digital Literacy	18.0
	<b>Total Hours Required</b>	<b>54.0</b>

## Certificate of Completion, Trades Technician

This certificate is designed to give the Trades Technician student the fundamental technical skills and knowledge required for entry-level employment. Covered in this course are Safety, Hand and Power tools, Print Reading, Electrical Basics, HVAC/R, Welding, Pipe fitting & Plumbing systems, and Basic Construction Principles and practices. This course will be appropriate for students who wish to pursue a career in the skilled Residential, Commercial and Industry trades. The essential skills component focuses on incorporating relevant essential skills for student success in the work environment.

Upon completion of the required courses the student will be awarded a Certificate of Completion, Trade Technician.

### Program Level Outcomes

*Upon successful completion, the student will be able to:*

- Demonstrate the safe and proper use of hand power tools, various types of fasteners and test equipment commonly used in Industrial Maintenance, including reading and interpreting blueprints construction documents, and industry code requirements.
- Describe and apply basis electrical construction practices, principles, and installation techniques, while performing preventive maintenance, repair, and troubleshooting heating and HVAC/R systems.
- Perform and identify proper basic welding operations for Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW).
- Demonstrate and describe the basis fundamental skills used in construction of wood and metals, piping and plumbing systems, practices, principles, and demonstrate proper use of pipe threading machines and methods.
- Enhance technical skills and knowledge by focusing on the developing the essential skills (i.e. problem solving, communication, critical thinking) and effective customer service to prepare students for success in the workforce.

Subject	Course Title	Hours
<i>Required Core Courses</i>		
CUST 110	Customer Service and Sales	18.0
CUST 100	Essential Skills	18.0
IMMT 100	Trades Technician	117.0
	<b>Total Hours Required</b>	<b>153.0</b>

## Certificate of Competency, Beginning English as a Second Language (ESL)

This Certificate of Competency focuses on building the foundations of literacy in English for speakers of other languages. This Certificate marks the successful development of the use of English in basic everyday contexts. Students will be able to engage in general conversations on familiar, everyday topics, ask basic questions, and comprehend beginning readings, responding appropriately with simple sentences and questions.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Engage in basic conversations on everyday topics using culturally appropriate communicative strategies.
- Comprehend short readings on everyday, familiar topics and respond with basic sentences and questions.

Subject	Course Title	Hours
<i>Required Core Courses</i>		
ESL 190	Developing Literacy	72.0
ESL 192	Expanding Foundations in ESL	72.0
	<b>Total Hours Required</b>	<b>144.0</b>

## Certificate of Competency, Intermediate English as a Second Language (ESL)

The Certificate of Competency focuses on the development of fundamental language and communication skills in English. Program emphasis is on developing reading strategies for comprehension, responding to intermediate-level readings, and sentence and paragraph development. Students build listening comprehension and conversational fluency and norms through small and whole group discussions and beginning presentations. This program takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Initiate and actively participate in sharing individual and cultural experiences, ideas, and opinions in conversations, class discussions, and short presentations on familiar and assigned topics, such as health and personal goals.
- Employ reading strategies to comprehend, analyze, and respond to assigned texts, focusing on main ideas, significant details, background knowledge, and facts versus opinions, on topics such as health and personal and vocational goals.
- Apply steps in the writing process to compose loosely unified paragraphs with assertive topic sentences and connected supporting, coherent, and varied sentences to share personal and cultural experiences, ideas, and opinions.
- Identify own needs and develop self in areas of potential growth (such as pronunciation, math, and technology) to promote effective communication and success in the workplace.

Subject	Course Title	Hours
<i>Required Core Courses</i>		
ESL 150	Fundamentals of ESL Grammar	36.0
ESL 156	Fundamentals of ESL Oral Communication	54.0
ESL 158	Fundamentals of ESL Reading and Writing	72.0
<b>Subtotal</b>		<b>162.0</b>
<b>Elective Courses:</b> <i>Choose one course from the following</i>		
ESL 155	ESL: The Language of Math	54.0
ESL 157	Pronunciation of American English	54.0
<b>Subtotal</b>		<b>54.0</b>
<b>Total Hours Required</b>		<b>216.0</b>

## Certificate of Competency, High Intermediate English as a Second Language (ESL)

This Certificate of Competency focuses on refining fundamental language and communication skills in English. Program emphasis is on independent reading, strengthening reading comprehension, analysis of main ideas and significant details, response to facts and opinions, vocabulary enrichment, writing process, paragraph development and organization, purpose, audience, and sentence types. Students also continue to build fluency in small and whole group discussions, give short informal and formal speeches, begin note taking, and refine listening comprehension. This program takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals.

### Program Learning Outcomes

*Upon successful completion, the student will be able to:*

- Actively engage in extended discussions and deliver prepared, informal and basic formal presentations of 3-5 minutes on personal, social, cultural, vocational, and/ or abridged academic topics that offer comprehensible topics, main ideas, and relevant details.
- Employ effective reading strategies to comprehend, analyze, and evaluate assigned texts in regards to background knowledge, main ideas, significant details, possible inferences, and facts versus opinions.
- Refine steps in the writing process to compose clearly unified paragraphs with assertive topic sentences reinforced by coherent, connected, and varied supporting sentences and conclusions to define, narrate, analyze, and/or express needs and opinions.
- Identify own needs and develop self in areas of potential growth (such as pronunciation, math, and technology) to promote effective communication and success in the workplace.

<b>Subject</b>	<b>Course Title</b>	<b>Hours</b>
<i>Required Core Courses</i>		
ESL 160	Intermediate ESL Grammar	36.0
ESL 166	Intermediate ESL Oral Communication	54.0
ESL 168	Intermediate ESL Reading and Writing	72.0
<b>Subtotal</b>		<b>162.0</b>
<b>Elective Courses:</b> <i>Choose one course from the following</i>		
ESL 155	ESL: The Language of Math	54.0
ESL 157	Pronunciation of American English	54.0
<b>Subtotal</b>		<b>54.0</b>
<b>Total Hours Required</b>		<b>216.0</b>

# COURSE INFORMATION

Courses are designated by subject matter area, number, course title, and units of credit. Course subjects are listed in alphabetical order. Students planning to transfer units to a four-year institution should consult the articulation agreement with the four-year college or consult the institution's catalog to determine specific requirements. Barstow Community College does not offer all the courses listed each semester or year. Some are scheduled only when there is sufficient demand, and a qualified instructor is available. Others may be offered in a planned sequence of alternate semesters or years. For current offerings, consult the Class Schedule found at [www.barstow.edu/academic-affairs/schedule-classes](http://www.barstow.edu/academic-affairs/schedule-classes)

## *Lecture Classes*

For a lecture class, one unit is one hour of lecture class time and two hours per week of homework. For the typical three-unit class, a student spends three hours per week in class and should do six hours per week of homework.

## *Laboratory Classes*

For a laboratory class, the hours per week are all in class with no outside assignments. Thus, one unit is three hours per week of laboratory time.

## **Course Outline of Record and Course Syllabus**

Course outlines and course syllabi are made available to students to provide them with information about courses. The course outline of record is mandated by state laws and is generic in nature. The syllabus is distributed to students during the first week of class by the instructor and gives specific details about the course.

## **Numbering of Courses**

*1-49* are courses designated baccalaureate level courses. These courses are designed to transfer to other colleges or universities and meet Barstow Community College graduation requirements and are therefore degree applicable.

*50-99* are courses that meet degree and certificate program requirements. These courses may transfer after evaluation by the transfer institution.

*100-149* may meet associate degree requirements. These courses are generally non-transferable courses emphasizing remediation and/or specific community needs.

*150-199* are non-transferable, developmental courses.

## **Common Course Numbering**

To simplify transfer between institutions, California Community Colleges adopted a statewide numbering system through the Common Course Numbering system (AB 1111). This system will eventually provide a standardized set of subjects and course numbers across all California Community Colleges, ensuring that equivalent courses have the same identifier, regardless of the college offering them. By aligning course numbers, students can more easily identify transferable credits, reducing confusion and streamlining their educational pathways.

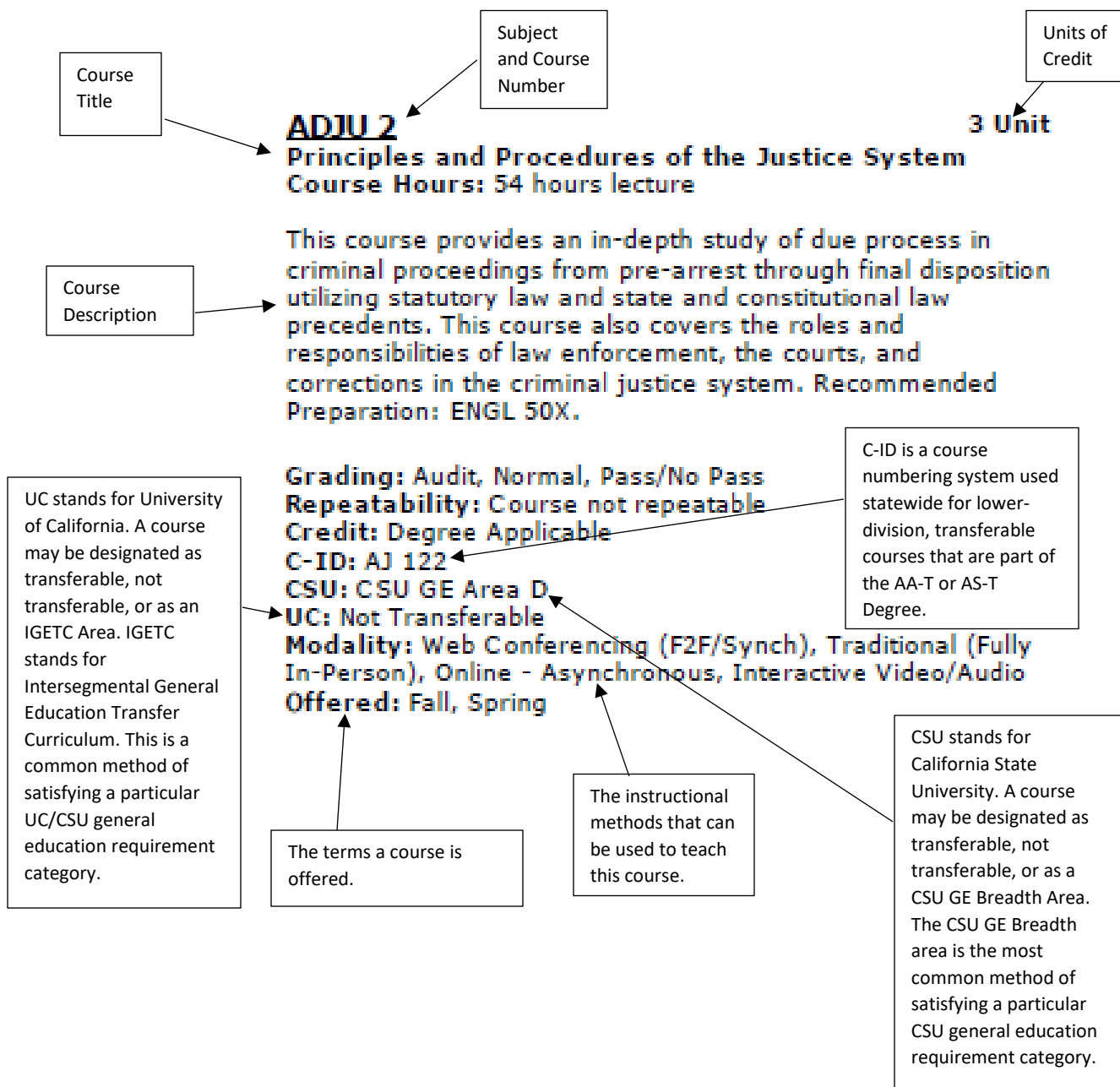
The Common Course Numbering system helps students plan their academic journeys with confidence, particularly when transferring to the University of California (UC) and California State University (CSU) systems. This initiative supports seamless articulation agreements and reinforces consistency across the state's diverse community colleges.

For more information on Common Course Numbering, please visit our website: <https://www.barstow.edu/common-course-numbering>



# COURSE DESCRIPTIONS

## How to Read the Course Description



# Accounting

## **ACCT 1**

### **Financial Accounting**

**Course Hours:** 54 hours lecture

**3 Unit**

This course is the study of accounting as an information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. This course includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. Recommended Preparation: ENGL 1A and MATH 3.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ACCT 110

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **ACCT 4**

### **Managerial Accounting**

**Course Hours:** 54 hours lecture

**3 Unit**

This course defines the uses of accounting data in management planning control, and decision-making with emphasis on the differences between financial accounting and managerial accounting. It identifies the nature, usage, and limitations of managerial accounting reports as management information and decision tools by emphasizing the non-structured, critical thinking aspects. Prerequisite: ACCT 1.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ACCT 120

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **ACCT 5**

### **Personal Financial Planning**

**Course Hours:** 54 hours lecture

**3 Unit**

This course covers management of personal and family economic affairs. It specifically covers the areas of budgeting, money management, and commercial record keeping. Principles of good buying, analysis of advertising, insurance, and investment planning, taxation and consumer protection are also examined. The American Economic System and citizenship responsibilities in this system are reviewed. For successful completion of this course, students will submit a detailed financial plan encompassing budget principles and savings techniques discussed in class.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

## **ACCT 5**

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **ACCT 68**

### **Federal Tax I**

**Course Hours:** 54 hours lecture

**3 Unit**

This course is designed to serve as an introduction to Federal Taxes as they relate to individuals. Aspects of figuring individual income tax and methods to maximize deductions and credits are studied. This course covers filing status, gross income, capital gains, Personal deductions, bad debts and tax credits.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

# Administration of Justice

## **ADJU 1**

### **Introduction to the Administration of Justice**

**Course Hours:** 54 hours lecture

**3 Unit**

This course introduces students to the characteristics of the United States criminal justice system. Focus is placed on examining crime data, theories of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped those principals and approaches. Although justice structure and process is examined in a cross cultural context, emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and development of criminal law, legal process, sentencing, and incarceration policies. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** AJ 110

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam

**Offered:** Fall, Spring, Summer

**ADJU 14****Introduction to Corrections****Course Hours:** 54 hours lecture**3 Unit**

This course provides students with an overview of the history and trends of adult and juvenile corrections. It will focus on probation, parole, legal issues, laws, and general operations in correctional institutions. The relationship between corrections and other components of the criminal justice system will also be examined. Students will also explore employment opportunities and entry requirements in the criminal justice field.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** AJ 200**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**ADJU 15****Legal Aspects of Corrections****Course Hours:** 54 hours lecture**3 Unit**

This course provides students with the historical framework, concepts, and precedents that guide correctional practice. It covers the correctional environment, civil rights of prisoners, and responsibilities of corrections staff. Students will explore the evolution of correctional systems, key legal principles, and landmark cases. The course will also address contemporary issues in corrections practice, such as inmate rights and staff obligations.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**ADJU 16****Control and Supervision in Corrections****Course Hours:** 54 hours lecture**3 Unit**

This course explores the methods, practices, and theory related to the custodial supervision of incarcerated persons in Federal, State, and local correctional facilities. It discusses issues of custodial control from day-to-day institutional living through crisis situations. The course will examine the interaction between the offender and the correctional employee. Students will gain insight into the complexities of control, supervision, and security in various correctional settings.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**ADJU 16****Offered:** Spring**ADJU 17****Correctional Interviewing and Counseling****Course Hours:** 54 hours lecture**3 Unit**

Techniques in counseling and interviewing available to practitioners in corrections will be covered. Students will also explore techniques and theories in confidence building used by correctional employees in interviews and counseling. This course is for students planning to enter or who are already employed in the correctional science field. Recommended Preparation: ENGL 50X.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**ADJU 18****Fundamentals of Probation and Parole****Course Hours:** 54 hours lecture**3 Unit**

This course is an overview of the history and philosophical foundations of probation and parole. Organization and operations of probation will be explored. Issues and problems relating to the pre-sentence report, determinate versus indeterminate sentencing, role of the probation and parole officer, legal decisions affecting probation and parole practice will be examined. Recommended Preparation: ENGL 50X.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**ADJU 2****Principles and Procedures of the Justice System****Course Hours:** 54 hours lecture**3 Unit**

This course provides an in-depth study of due process in criminal proceedings from pre-arrest through final disposition utilizing statutory law and state and constitutional law precedents. This course also covers the roles and responsibilities of law enforcement, the courts, and corrections in the criminal justice system. Recommended Preparation: ENGL 50X.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** AJ 122**CSU:** CSU GE Area D**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully

**ADJU 2**

In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall, Spring

**ADJU 3****3 Unit****Concepts of Criminal Law****Course Hours:** 54 hours lecture

This course offers an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice course will build. The course will also include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes. Additionally, students will gain an understanding and appreciation of the contributions and perspectives of individuals and groups, including but not limited to diverse genders, sexualities, races, ethnicities, classes, and cultures as they relate to criminal law. Prerequisite: ADJU 1

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** AJ 120**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Fall, Spring**ADJU 4****3 Unit****Legal Aspects of Evidence****Course Hours:** 54 hours lecture

This course examines categories of evidence as well as the rules governing the admission and exclusion of evidence in the criminal process. Topics that will be addressed include rules of admissibility, types of evidence, witnesses, privileged communications, hearsay, the collection and preservation of evidence, and the exclusion of evidence on constitutional grounds. Recommended Preparation: ENGL 50X.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** AJ 124**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Fall, Spring**ADJU 5****3 Unit****Community Relations of the Justice System****Course Hours:** 54 hours lecture

This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and

**ADJU 5**

prospects of administering justice within a diverse multicultural population. Topics may include the shared and conflicting values in culture, religion, and law. Crime prevention, conflict resolution, and ethics may also be discussed. Recommended Preparation: ENGL 50X.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** AJ 160**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ADJU 6****3 Unit****Concepts of Enforcement Services****Course Hours:** 54 hours lecture

This course is designed to provide an overview of police field operations. Topics that will be covered include techniques of patrol enforcement such as basic patrol and traffic duties; handling requests for services; conducting field interviews, searches, and arrests; interceding in civil and domestic disturbances; and responding to disaster situations. Ethical issues as they relate to the performance of field police work will also be discussed. Recommended Preparation: ENGL 50X.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall Odd**ADJU 7****3 Unit****Principles of Investigation****Course Hours:** 54 hours lecture

This course addresses the techniques, procedures, and ethical issues in the investigation of crime. Topics that will be covered include organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, sources of information, utility of evidence, scientific analysis of evidence, and the role of the investigator in the trial process. Recommended Preparation: ENGL 50X.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** AJ 140**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Spring Even

## **ADJU 8**

### **Juvenile Crime and Delinquency**

**Course Hours:** 54 hours lecture

This course examines the origin, development, and organization of the juvenile justice system as it evolved in the American justice system. The course explores theories of juvenile law and delinquency, courts and processes, and the constitutional protections extended to juveniles. An emphasis will be placed on the prevention and repression of delinquency, diagnosis and referral of juvenile offenders, and organization of community resources. Recommended preparation: ENGL 1A

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** AJ 220

**CSU:** CSU GE Area D

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Odd

**3 Unit**

## **Allied Health**

### **AHLT 51**

#### **First Aid and Personal Safety**

**Course Hours:** 9 hours lecture

**0.5 Unit**

This course teaches techniques of emergency treatment to be used by laypersons when professional medical assistance is not immediately available. The course will be taught using current standards for first aid, external defibrillation, and resuscitation. Students will earn or recertify American Cross Adult CPR and Standard First Aid Course Completion cards. The course may be repeated as needed for recertification.

**Fees:** Instructional Materials \$32.00

**Grading:** Audit, Pass/No Pass

**Repeatability:** Unlimited

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

### **AHLT 55A**

#### **Emergency Medical Technician - Basic**

**Course Hours:** 153 hours lecture; 27 hours laboratory

**9 Unit**

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

### **AHLT 55A**

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

### **AHLT 62A**

#### **Emergency Medical Technician Basic Refresher -**

#### **EMSA Certification**

**Course Hours:** 27 hours lecture

**1.5 Unit**

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:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

### **AHLT 63**

#### **Basic CPR**

**Course Hours:** 9 hours lecture

**0.5 Unit**

This course teaches a combination of prudent heart living and emergency first aid procedures. Students will learn how to recognize respiratory and cardiac arrest and start the proper application of cardiopulmonary resuscitation until life support is available. Course will be taught using current resuscitation standards. Upon successful completion of the course the student will receive a Health Care Provider CPR Card from the American Red Cross, which is valid for a one year period.

**Fees:** Instructional Materials \$24.00

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Unlimited

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **Anthropology**

### **ANTH 1**

#### **Introduction to Cultural Anthropology**

**Course Hours:** 54 hours lecture

**3 Unit**

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

## **ANTH 1**

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:** ANTH 120

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

# **Arts**

## **ARTS 1**

**3 Unit**

**Art History and Appreciation: Prehistory through the Middle Ages**

**Course Hours:** 54 hours lecture

This course provides an overview of western art and architecture from prehistory through the medieval period. The course content includes primitive features of art and the aesthetic experience; understanding of the resources for and the value of the arts and the significance of taste and style; the history of painting, sculpture and architecture from the earliest times to Gothic Art. A field trip may be required. Recommended Preparation: HIST 8A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ARTH 110

**CSU:** Cal-GETC 3A:Arts, CSU GE Area C1

**UC:** Cal-GETC 3A:Arts, IGETC Area 3A

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **ARTS 10A**

**3 Unit**

**Beginning Painting**

**Course Hours:** 36 hours lecture; 54 hours laboratory

Introduction to principles, elements, and practices of painting. Focus on exploration of painting materials, perceptual skills and color theory, paint mixing and technique, as well as creative responses to materials and subject matter.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ARTS 210

**CSU:** Transferrable

## **ARTS 10A**

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **ARTS 10B**

**3 Unit**

**Intermediate Painting**

**Course Hours:** 36 hours lecture; 54 hours laboratory

The continued study of materials and techniques in painting with oils and pastels. Course includes canvas preparation and plein-air painting. Prerequisite: ARTS 10A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **ARTS 13A**

**3 Unit**

**Asian Art History: Early Cultures**

**Course Hours:** 54 hours lecture

This course offers an overview of art and architecture as an integral part of Asian culture: India and Southeast Asia, China, Korea, and Japan from prehistory to modern times. The course focuses on the identification and analysis of artistic styles and the connection of art to the lives and beliefs of contemporary people. A field trip may be required. Recommended Preparation: HIST8A and HIST8B.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ARTH 130

**CSU:** Cal-GETC 3A:Arts, CSU GE Area C1

**UC:** Cal-GETC 3A:Arts, IGETC Area 3A, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **ARTS 16**

**3 Unit**

**Freehand Sketching**

**Course Hours:** 36 hours lecture; 54 hours laboratory

An introduction to the sketching process, emphasizing skill development in various media. Course includes analyzing visual fields and developing hand-to-eye coordination.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**ARTS 17****Watercolor Painting****Course Hours:** 36 hours lecture; 54 hours laboratory

This course explores methods of painting with transparent and opaque water-based media, including but not limited to watercolor, gouache, water-based inks. Focus is on the personal development of technique and expression.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**3 Unit****ARTS 18C****Advanced Ceramics****Course Hours:** 36 hours lecture; 54 hours laboratory

An advanced level studio course in ceramics providing continuing education and design projects with an emphasis on wheel throwing and the combination of wheel thrown and hand-built techniques. Students will play a large role in designing their own projects. Prerequisite: ARTS 18A and 18B.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**3 Unit****ARTS 18A****Beginning Ceramics****Course Hours:** 36 hours lecture; 54 hours laboratory

Introduction to ceramics materials, concepts, and processes including basic design principles, creative development, hand-building, throwing, glaze techniques, firing and ceramic terminology. The course covers aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**3 Unit****ARTS 19****Beginning Sculpture****Course Hours:** 36 hours lecture; 54 hours laboratory

Introduction to three-dimensional sculptural principles, techniques, and concepts utilizing a wide range of materials and practices. Various sculpture methods are practiced with attention to creative self-expression and historical context.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall Even**3 Unit****ARTS 18B****Intermediate Ceramics****Course Hours:** 36 hours lecture; 54 hours laboratory

An intermediate level studio course in ceramics providing continuing education and design projects in hand building and wheel throwing with the addition of alternative firing techniques. Course includes glaze and firing techniques for pit firing, saggar firing, raku firing and barrel firing. The techniques learned are similar to ceramic processes used by indigenous peoples and the early creators of ceramic technique. Prerequisite: ARTS 18A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**3 Unit****ARTS 2****Art History and Appreciation: Early Renaissance to Post Modern****Course Hours:** 54 hours lecture

This course provides an overview of art and architecture from the Renaissance to the Contemporary period. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ARTH 120**CSU:** Cal-GETC 3A:Arts, CSU GE Area C1**UC:** Cal-GETC 3A:Arts, IGETC Area 3A**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**3 Unit****ARTS 3****Two-Dimensional Design****Course Hours:** 36 hours lecture; 54 hours laboratory

Introduction to the concepts, applications, and historical references related to two-dimensional art and composition, including the study of the basic principles and elements of line, shape, texture, value, color and spatial illusion.

**3 Unit**

### **ARTS 3**

Development of a visual vocabulary for creative expression through lecture presentations, studio projects, problem solving, and written assignments.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ARTS 100

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

### **ARTS 5**

**3 Unit**

#### **Three-Dimensional Design**

**Course Hours:** 36 hours lecture; 54 hours laboratory

This course is an Introduction to the concepts, applications, and historical references related to three-dimensional design and spatial composition, including the study of the elements and organizing principles of design as they apply to three-dimensional space and form. It includes the development of a visual vocabulary for creative expression through lecture presentations and use of appropriate materials for representational and non-representational three-dimensional studio projects. It is a foundation course for students of the Visual Arts.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ARTS 101

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

### **ARTS 7**

**3 Unit**

#### **Drawing and Composition**

**Course Hours:** 36 hours lecture; 54 hours laboratory

Introduction to principles, elements, and practices of drawing, employing a wide range of subject matter and drawing media. Focus on perceptually based drawing, observational skills, technical abilities, and creative responses to materials and subject matter.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ARTS 110

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **Astronomy**

### **ASTR 1**

**4 Unit**

#### **Introduction to Astronomy**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This laboratory-based class covers principles of astronomy, including motions of the earth, time measurement, the solar system, stellar and galactic phenomena and cosmology. Star and constellation identification are also covered as well as viewing of telescopic objects. Utilizing observations through telescopes to explore the planets and moons of the solar system, stars, nebulae and galaxies, students are able to examine the major principles of astronomy. A field trip may be required.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **Athletics**

### **ATHL 1**

**3 Unit**

#### **Intercollegiate Basketball (Men) "In-season"**

**Course Hours:** 162 hours laboratory

This course provides an opportunity for interconference, invitational, sectional and state competition. Students will learn advanced techniques and strategies of the individual sport and the development of mental, muscular and cardiovascular endurance. Field trips will be required to participate in games.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Repeatable four semesters

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** CSU GE Area E

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

### **ATHL 10**

**3 Unit**

#### **Intercollegiate Softball - "In-Season"**

**Course Hours:** 162 hours laboratory

This course is designed for female student athletes. The focus will be on the advancement of techniques and strategies of Intercollegiate Softball and the development of mental, muscular and cardiovascular endurance. In addition, this course provides the opportunity for inter-conference, invitational, sectional or state competition. Field trips are required.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Repeatable four semesters

**Credit:** Degree Applicable

**C-ID:** None



**ATHL 10****CSU:** CSU GE Area E**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**ATHL 14****2 Unit****Intercollegiate Volleyball (Women) "Out-of-Season"****Course Hours:** 108 hours laboratory

This course is designed for student athletes in the off-season. The fundamentals of game including passing, hitting and setting as well as strategies of play patterns, defenses, team play and rules interpretation are covered. In addition, off-season conditioning and physical preparation are stressed. Field trips may be required.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Repeatable four semesters**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area E**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**ATHL 2****3 Unit****Intercollegiate Basketball (Women) "In-Season"****Course Hours:** 162 hours laboratory

This course provides an opportunity for inter-conference, invitational, sectional, and state competition. Students will learn advanced techniques and strategies for individual sports and mental, muscular, and cardiovascular endurance development. Field trips to participate in games will be required. Limitations on Enrollment: Per Title 5 § 58106, this course is an intercollegiate competition course, therefore, seats will be allocated to students judged most qualified by the instructor of the course.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Repeatable four semesters**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area E**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**ATHL 20****2 Unit****Intercollegiate Basketball (Men) "Out-of-season"****Course Hours:** 108 hours laboratory

This course is designed for student athletes in the off-season. The fundamentals of game including shooting, passing, dribbling, pivoting, rebounding and tipping as well as strategies of play patterns, defenses, team play and rules interpretation are covered. In addition, off-season conditioning and physical preparation are stressed. Field trips may be required.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Repeatable four semesters**Credit:** Degree Applicable**ATHL 20****C-ID:** None**CSU:** CSU GE Area E**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**ATHL 22****2 Unit****Intercollegiate Basketball (Women) "Out-of-season"****Course Hours:** 108 hours laboratory

This course is designed for student athletes in the off-season to focus on rules of basketball, with respect to team skills. The fundamentals of game strategies and team work including team skills, motion offense, fast break, transition defense, full-court press, press-breakers, scrimmage situations, out-of-bounds sets, zone defenses, and player-to-player defense. In addition, off-season conditioning and physical preparation are stressed.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Repeatable four semesters**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area E**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**ATHL 23****2 Unit****Intercollegiate Baseball "Out-of-Season"****Course Hours:** 108 hours laboratory

This course is designed for student athletes in the off-season. The fundamentals of game including throwing, catching, base running, and hitting are covered. In addition, off-season conditioning and physical preparation are stressed. Field trips may be required.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Repeatable four semesters**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area E**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**ATHL 25****2 Unit****Intercollegiate Softball "Out-of-season"****Course Hours:** 108 hours laboratory

This course is designed for female student athletes. In addition to skill and technique acquisition, students will acquire knowledge of the rules and strategies of the game necessary for intercollegiate competition. Field trips may be required.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Repeatable four semesters**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area E**UC:** Transferrable

**ATHL 25**

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall

**ATHL 3****3 Unit****Intercollegiate Baseball "In-Season"**

**Course Hours:** 162 hours laboratory

This course is designed for student athletes. This course provides an opportunity for intercollegiate competition. The use of advanced techniques and strategies of baseball along with the development of mental, muscular, and cardiovascular conditioning. Course may be taken three times for credit. Field trips are required to participate in games.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Repeatable four semesters

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** CSU GE Area E

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

**ATHL 31****1 Unit****Sports Conditioning for Intercollegiate Athletes**

**Course Hours:** 54 hours laboratory

This course is designed for male and female athletes. The focus will be on specific physical fitness related to intercollegiate athletic participation in an advanced exercise program contributing to the improvement of athletic performance using individual and group activities that contribute to specific improvement in the sport.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Repeatable four semesters

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** CSU GE Area E

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**ATHL 4****3 Unit****Intercollegiate Volleyball (Women's) "In-Season"**

**Course Hours:** 162 hours laboratory

This course provides an opportunity for inter-conference, invitational, sectional and state competition. Students will learn advanced techniques and strategies of the individual sport and the development of mental, muscular and cardiovascular endurance. Field trips will be required to participate in games.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Repeatable four semesters

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** CSU GE Area E

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**ATHL 4**

**Offered:** Fall

# Automotive Technology

**AUTO 51A****4 Unit****Introduction to Automotive Technology**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course introduces students to the fundamentals of automotive technology, focusing on traditional and emerging vehicle systems. Topics include engine mechanics, electrical systems, hybrid and electric vehicles, and advanced technologies like autonomous driving and ADAS. Students will gain hands-on experience with diagnostics, maintenance, and repair while exploring industry trends and innovations. Ideal for those seeking a career in the evolving automotive industry. Textbook required to accompany Canvas online learning management system.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** AUTO 110 X

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam

**Offered:** Fall, Spring

**AUTO 52****4 Unit****Automotive Electrical Systems**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course covers the theory of electricity, use of meters and test equipment, use of wiring diagrams, diagnosis and repair or replacement of major electrical components of automotive and light trucks. Major areas of study include batteries, starting, charging and ignition systems as well as electrical accessories. This course will assist the student in preparing for the ASE A6 exam.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**AUTO 52A****4 Unit****Introduction to Hybrid and Alternative Fuel Vehicles**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course covers Hybrid Vehicles and Alternative Fuels used in modern vehicles for transportation. Topics covered will include safety when working with high voltage, hybrid and electric vehicle drive systems and battery technology. Hybrid and electric vehicle service and maintenance procedures will be covered.

## **AUTO 52A**

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **AUTO 53**

**4 Unit**

### **Automatic Transmissions and Transaxles**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course covers diagnosis, repair and maintenance of automatic transmissions and transaxles. Systems covered in this course include, clutches, bands, servos, valve bodies, hydraulic pumps, torque converters and electronic controls. Automatic transmissions and related parts will be disassembled, inspected and a determination made of serviceability of existing parts.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** AUTO 120 X

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

## **AUTO 54**

**4 Unit**

### **Automotive Brakes**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course covers diagnosis, repair and maintenance of the brake systems. Systems covered in this course include, basic hydraulics, drum brakes, disc brakes, turning drums and rotors. Brake system parts will be disassembled inspected and a determination made of the serviceability of existing parts. The need for replacement parts will be established as the components are disassembled inspected and reassembled.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **AUTO 55**

**4 Unit**

### **Suspension and Steering**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course covers diagnosis, repair, and maintenance of steering and suspension systems, including power assist units, front and rear suspension systems, shocks and struts, steering linkages, and power steering systems. All aspects of alignments will be covered including two and four wheel. Maintenance of all parts of the steering and suspension

## **AUTO 55**

systems will be covered. Diagnosis and repair of ADAS Advanced Driver Assist Systems will be covered.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** AUTO 140 X

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

## **AUTO 56**

**4 Unit**

### **Engine Performance**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course covers techniques used by the automotive industry to diagnose and repair ignition systems, fuel systems, and emission control systems. Instruction will cover the diagnosis and repair of conventional and electronic ignition systems, fuel injection, emission control devices, and introduction to automotive computers.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **AUTO 57**

**4 Unit**

### **Heating and Air Conditioning**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course covers diagnosis and repair of the components of the automotive air conditioning and heating system. Topics will include evaporators, compressors, control valves, condensers, blowers, heater cores, heat pumps, temperature controls, lines, and hoses. Air conditioning and heating related parts for hybrid and electric vehicles will be covered. Recovery and charging of different systems will be covered from both R1234yf and R134A systems.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** AUTO 170 X

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Summer

# Biology

## **BIOL 1**

### **Environmental Biology**

**Course Hours:** 54 hours lecture

This course is an introduction to environmental issues, focusing on physical, chemical, and biological processes within the Earth system, the interaction between humans and these processes, and the role of science in finding sustainable solutions. Interpretation of data in drawing a conclusion is stressed, along with the ability to criticize methods of data collection and experimentation. Topics include human populations, energy flow through systems, bioenergetics, ecological principles, biodiversity, climate change, sustainability, renewable and non-renewable energy, water resources, air and water pollution, and solid waste management.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ENVS 100

**CSU:** Cal-GETC 5B:Biological Sci, CSU GE Area B2

**UC:** Cal-GETC 5B:Biological Sci, IGETC Area 5B-Life/Biol Sci

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

**3 Unit**

## **BIOL 2**

### **Concepts in Biology**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course offers an integrated approach to the inter-relationships of the life sciences. Basic processes common to all life forms are explored, including concepts of chemistry, cell biology, genetics, ecology, populations, evolution, physiology and classification.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, CSU GE Area B2, CSU GE Area B3

**UC:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, IGETC Area 5B-Life/Biol Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

**4 Unit**

## **BIOL 20A**

### **Cell and Molecular Biology**

**Course Hours:** 54 hours lecture; 54 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

**4 Unit**

## **BIOL 20A**

Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** BIOL 135 S, BIOL 190

**CSU:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, CSU GE Area B2, CSU GE Area B3

**UC:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, IGETC Area 5B-Life/Biol Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **BIOL 20B**

### **Evolution and Organismal Biology**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This is the second semester of a one-year survey of biology. It includes a survey of the study and forms of life utilizing evolution as a unifying theme and presenting organismal diversity within a phylogenetic framework. The relationships of environment and fundamental ecological principles, trophic roles and lifestyles to form and function will be explored through examination of comparative structure and the physiology, nutrition, circulation, gas exchange reproduction and development of organism found in the three domains of life. The laboratory component emphasizes the ecological and evolutionary processes using the methods of scientific inquiry. Diversity of an overview of structures and life processes in plants and animals, animal and plant taxonomies, ecology, and behavior. This course along with BIOL 20A is the recommended biology sequence for STEM majors. It is suggested that students contact the transfer institution and ascertain specific transfer requirements for their major. Prerequisite: BIOL 20A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** BIOL 135 S, BIOL 140

**CSU:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, CSU GE Area B2, CSU GE Area B3

**UC:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, IGETC Area 5B-Life/Biol Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**4 Unit**

## **BIOL 4**

### **Human Anatomy**

**Course Hours:** 54 hours lecture; 108 hours laboratory

This course is an introduction to the structure and function of the human body. Included are lectures and demonstrations using models, isolated specimens and multimedia images of human anatomy. Laboratory study includes demonstrations and dissections of a cat and other animal material. Completion of this class requires full participation and use of all lab materials. This course provides the basic knowledge and lab skills to meet the needs of pre-nursing, physical education, physical therapy, and allied health majors. Prerequisite: BIOL 2

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**5 Unit**

**BIOL 4****C-ID:** None**CSU:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, CSU GE Area B2, CSU GE Area B3**UC:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, IGETC Area 5B-Life/Biol Sci, IGETC Area 5C-Science Lab**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**BIOL 5****5 Unit****Human Physiology****Course Hours:** 72 hours lecture; 54 hours laboratory

This course is the study of the functioning of the human body at the molecular, cellular, organ and organ system level. Laboratory experiments reinforce the concepts and allow students to gain experience with standard physiology equipment. This course is designed for pre-nursing, physical therapy, occupational therapy, physical education and other allied health majors. Prerequisite: BIOL 2 and CHEM 1A. Recommended Preparation: BIOL 4.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, CSU GE Area B2, CSU GE Area B3**UC:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, IGETC Area 5B-Life/Biol Sci, IGETC Area 5C-Science Lab**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**BIOL 8****5 Unit****Microbiology****Course Hours:** 54 hours lecture; 108 hours laboratory

This course is an introduction to the anatomy of bacteria, fungi, protozoa, viruses and prions. It covers microbial metabolism, pathogenesis of bacteria & viruses, control of micro-organisms, microbial nutrition and growth, the most common genera of micro-organisms and their connection to disease processes, and the replication of viruses and prions. Aspects of the course that are particularly helpful to health fields include a study of epidemiology and human-microbe interactions, host defenses and the immune system, and the most common infectious diseases of the body systems. Recommended Preparation: 1. Eligible for college-level English (C-ID ENGL 100). 2. Eligible for college-level math (C-ID MATH 110, 120, 130, 140, 150, 151 OR any other course with Intermediate Algebra as a prerequisite) 3. BIOL 2 or equivalent and CHEM 1 or equivalent.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, CSU GE Area B2, CSU GE Area B3**UC:** Cal-GETC 5B:Biological Sci, Cal-GETC 5C:Laboratory, IGETC Area 5B-Life/Biol Sci, IGETC Area 5C-Science Lab**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous**Offered:** Fall, Spring

# Building Construction Trade Technology

**BCTT 54****1 Unit****Safety Orientation****Course Hours:** 18 hours lecture

This course is designed to give students a general overview of the most common job-site hazards and their related safety guidelines. This class meets the requirements for the OSHA 10-hour course.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer

# Business Administration

**BADM 1****3 Unit****Business Law I****Course Hours:** 54 hours lecture

This course focuses on the relationship between the law and business as it pertains to the legal and social environment of business. Concepts covered include the regulatory environment in which business operates and the basic principles of law as applied to ordinary business transactions. Further, this course emphasizes business' responsibility for consumer protection, crimes, torts, computers and the internet, intellectual property, and the Uniform Commercial Code and California Law. The essential elements of contracts are presented and used to analyze and criticize related case studies. Recommended Preparation: ENGL C1000 (formerly known as ENGL1A.)

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** BUS 125**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**BADM 19****3 Unit****Marketing****Course Hours:** 54 hours lecture

This course is a survey of major marketing methods, institutions, and practices. Topics covered include the distribution of goods and services from producer to consumer; trade channels, agencies of distribution, trends in marketing practices. In addition, the role of the consumer in marketing process is emphasized via the study of market research, product planning, pricing, marketing costs, and marketing legislation.

## **BADM 19**

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **BADM 2**

### **Business Law II**

**Course Hours:** 54 hours lecture

**3 Unit**

This course will aid in the identification of the law as it is applied to business transactions, personal property and bailments, sales, commercial paper, secured transactions, creditors' rights, insurance agency, and employment. The students will be studying the Uniform Commercial Code and California Law through representative cases.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring Odd

## **BADM 5**

### **Introduction to Business**

**Course Hours:** 54 hours lecture

**3 Unit**

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:** BUS 110

**CSU:** CSU GE Area D

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **BADM 6**

### **Business Communications**

**Course Hours:** 54 hours lecture

**3 Unit**

This course is a survey of the principles and techniques of business communications as a tool for business decision making. Focus is on effective oral and written business communications. Included are methods of investigating, organizing, and presenting business data and ideas developed through practical involvement. Ethical and legal implications as well as other critical thinking techniques are

## **BADM 6**

emphasized. Prerequisite: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** BUS 115

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

# **Chemistry**

## **CHEM 10**

### **Survey of Chemistry and Physics**

**Course Hours:** 54 hours lecture; 54 hours laboratory

**4 Unit**

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:** CHEM 140

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **CHEM 1A**

### **Introductory Chemistry**

**Course Hours:** 54 hours lecture; 54 hours laboratory

**4 Unit**

A survey of the principles of chemistry, including general, organic and biochemistry, primarily for pre-nursing, liberal arts, and home economics students. Topics covered: Atomic structure, chemical bonding, stoichiometry, periodic table, trends of elements and periodic table, states of matter, oxidation numbers and redox equations, electrochemistry, solutions, equilibrium, and acids and bases. Recommended Preparation: Completion of MATH 50 with a grade of C or better or appropriate placement based on AB705 mandates.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** CHEM 101

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully

**CHEM 1A**

In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall, Spring, Summer

**CHEM 1B****4 Unit****Introductory Organic and Biochemistry**

**Course Hours:** 54 hours lecture; 54 hours laboratory

A survey of organic and biochemistry for nursing majors and other allied health fields. Topics covered include the drawing, naming, reactions and properties of hydrocarbons, alcohols, ethers, thiols, aldehydes, ketones, carboxylic acids, amines, esters, amides, carbohydrates, proteins, lipids, nucleic acids and metabolism. Recommended Preparation: MATH 55.  
 Prerequisite: CHEM 1A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** CHEM 102

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

**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 3

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** CHEM 110, CHEM 120 S

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

**CHEM 2B****5 Unit****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.

**CHEM 2B**

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** CHEM 120 S

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

**CHEM 3A****5 Unit****Organic Chemistry I**

**Course Hours:** 54 hours lecture; 108 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 and CHEM 2B

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** CHEM 150, CHEM 160 S

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**CHEM 3B****5 Unit****Organic Chemistry II**

**Course Hours:** 54 hours lecture; 108 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:** CHEM 160 S

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

# Child Development

## **CHLD 11A**

**3 Unit**

**Principles and Practices in Early Childhood Education**  
**Course Hours:** 54 hours lecture

This course is designed to examine the historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight. Explores the typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, and professional standards. Introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children including how play contributes to children's learning, growth, and development.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ECE 120

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **CHLD 12A**

**3 Unit**

**Creative Activities for Early Childhood Education**  
**Course Hours:** 54 hours lecture

This course provides students with an understanding of developmentally appropriate activities for various age groups. It explores their connection to literature, dramatization, finger plays, and puppetry. Students will also examine techniques for presenting language experiences. The goal is to enhance engagement and learning through creative expression. Students will gain a deeper understanding of creative development and the importance of art experiences in childhood, supporting creativity in children.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Even

## **CHLD 14**

**3 Unit**

**Child Health, Safety, and Nutrition**  
**Course Hours:** 54 hours lecture

This course will examine laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in childcare and education settings for children birth through middle childhood. It includes the teacher's role in developing prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management. The strength of this course is its practical application in real-world settings when discussing topics such as the importance of creating safe indoor and outdoor environments for example how a properly set-up classroom

## **CHLD 14**

can act as a child abuse mitigation strategy. The well-being and health of teachers is also discussed, and all topics relate back to sound early childhood educational principles such as developmentally appropriate practices.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ECE 220

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **CHLD 15**

**3 Unit**

**Infants and Toddlers: Care and Education**  
**Course Hours:** 54 hours lecture

This course applies current theory and research to the care and education of infants and toddlers in group settings. Student's will examine essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Even

## **CHLD 15A**

**3 Unit**

**Infants and Toddlers: Curriculum**  
**Course Hours:** 54 hours lecture

This course studies infants and toddlers from pre-conception to age three including physical, cognitive, language, social, and emotional growth and development. This includes applying theoretical frameworks to interpret behavior and interactions between heredity and environment, and with an emphasis in the role of family and relationships in development.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring Odd

## **CHLD 17**

**3 Unit**

**Programs for School-Age Children: Curriculum and Teaching**  
**Course Hours:** 54 hours lecture

This course is designed to teach students programs and curriculum for the school-age child in a before-and-after



**CHLD 17**

school environment. It will teach students to establish an appropriate environment in the classroom, while planning activities and interacting with children.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring Odd

**CHLD 17A****3 Unit****Activities for School-Age Children**

**Course Hours:** 54 hours lecture

This course is designed to teach students how to create, implement, and evaluate developmentally appropriate activities for school-age children (K-8). It will emphasize instruction in providing activities for individuals and groups that stimulate growth, discovery, and learning with a hands on component of the student creating the work and implementing it in a classroom setting. Recommended Preparation: ENGL C 1000 (formerly known as ENGL 1A)

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Even

**CHLD 19A****3 Unit****Administration I: Programs in Early Childhood Education**

**Course Hours:** 54 hours lecture

This is an introduction to the administration of early childhood programs. This course covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Students will examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. Prerequisite: CHLD 4, CHLD 6, CHL 9 and CHLD 11A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Odd

**CHLD 19B****3 Unit****Administration II: Personnel and Leadership in Early Childhood Education**

**Course Hours:** 54 hours lecture

**CHLD 19B**

This course introduces effective strategies for personnel management and leadership in early care and education settings. This includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. Prerequisite: CHLD 19A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring Even

**CHLD 19C****3 Unit****Adult Supervision and Mentoring in Early Childhood Education**

**Course Hours:** 54 hours lecture

This course reviews methods and principles of supervising student teachers, volunteers, staff, and other adults in early care and education settings. There is an emphasis in the roles and development of early childhood professionals as mentors and leaders.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

**CHLD 20****3 Unit****Observation and Assessment**

**Course Hours:** 54 hours lecture

This course is designed for introducing the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ECE 200

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**CHLD 25****3 Unit****Teaching in a Diverse Society**

**Course Hours:** 54 hours lecture

This course examines the impact of various societal

**CHLD 25**

influences on the development of children's personal and social identity including implications of oppression and privilege as they apply to young children and families. Various classroom strategies will be explored covering developmentally appropriate, inclusive, culturally relevant, and anti-bias approaches in support of all children to become competent members of a diverse society. Self-examination and reflection on issues related to social identity, stereotypes, and bias will be explored.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ECE 230

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**CHLD 30****3 Unit****Child Language Development**

**Course Hours:** 54 hours lecture

This course will examine communicative and linguistic development of children, with emphasis upon development of oral language at various levels: vocabulary, sentences, discourse structures, and metalinguistic awareness. Children's knowledge of phonology, semantics, syntax, and pragmatics will be addressed, with attention to individual, gender, and cultural differences and special issues such as bilingualism. Empirical descriptions and contrastive theoretical approaches to language development will be covered.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Odd

**CHLD 30A****3 Unit****Early Childhood Literacy**

**Course Hours:** 54 hours lecture

This course explores and explains the developmental stages of language and communication and techniques that support and promote building a foundation for reading, writing, listening, and speaking through the use of developmentally appropriate practices. Students develop activities and an environment that promotes language and literacy development in young children. Students also produce research quality literature suitable for children up to eight years old, with emphasis on techniques of selection and presentation of books. Recommended Preparation: ENGL C1000 (formerly known as ENGL 1A) and CHLD 30.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**CHLD 30A**

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring Even

**CHLD 35****3 Unit****Introduction to Children with Special Needs**

**Course Hours:** 54 hours lecture

This is an introduction course to the variations in development of children with special needs ages birth through eight and the resulting impact on families. This includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Odd

**CHLD 35A****3 Unit****Children with Challenging Behaviors**

**Course Hours:** 54 hours lecture

This course provides students and professionals who work with children in various settings a review of the impact of child development on guidance. It defines social competence and the benefits of being socially competent. It presents the teacher's role in creating positive teacher-child relationships and building the classroom environment for prosocial development. It provides an understanding of the importance of family and culture when creating family-teacher partnerships to support children through emotional difficulties. It introduces effective strategies for working with children with challenging behaviors.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring Even

**CHLD 4****3 Unit****Child Growth and Development**

**Course Hours:** 54 hours lecture

This course is designed to examine the progression of development in the physical, cognitive, social, and emotional domains and identifies developmental milestones for children from conception through adolescence. Emphasis on interactions between biological processes and environmental factors. Students will observe children, evaluate individual differences, and analyze characteristics of development at various stages according to developmental theories.

**Grading:** Audit, Normal, Pass/No Pass

**CHLD 4****Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** CDEV 100**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Fall, Spring, Summer**CHLD 49****4 Unit****Practicum - Field Experience****Course Hours:** 36 hours lecture; 108 hours laboratory

This course is designed for demonstration of developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities. Prerequisite: CHLD 4; CHLD 6; CHLD 9; CHLD 11A; CHLD 20.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ECE 210**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**CHLD 6****3 Unit****Child, Family, Community****Course Hours:** 54 hours lecture

This course examines the processes of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** CDEV 110**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**CHLD 61****3 Unit****Family Day Care Provider****Course Hours:** 54 hours lecture

This course introduces factors involved in providing quality child care in one's home. This course also explains the importance of an establishment of a safe, healthy and

**CHLD 61**

stimulating environment; refining or developing policies and parent contracts.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring Odd**CHLD 9****3 Unit****Introduction to Early Childhood Curriculum****Course Hours:** 54 hours lecture

This course examines an overview of knowledge and skills for providing developmentally appropriate curriculum and environments for children birth through age eight. Students will examine the teacher's role in fostering the joy of learning and use knowledge of children's development, theories of learning and development, using observation and assessment, and examples from various models of developmentally appropriate practice to plan environments and curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings.

Prerequisite: CHLD 4.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ECE 130**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Fall, Spring**Communications****COMM 2****3 Unit****Oral Interpretation of Literature****Course Hours:** 54 hours lecture

This is an introduction to performance studies. Student's will focus on analysis, appreciation and application of interpretive performance of various forms of literature including poetry, prose and drama.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** COMM 170**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring

**COMM 3**  
**Interpersonal Communications**  
**Course Hours:** 54 hours lecture

3 Unit

This course will blend the important areas of interpersonal communication and the art of platform speaking. Theory and practical skills are analyzed and practiced as they apply to all forms of communication, including one-to-one situations, small group situations and public speaking situations. There is a focus on the creative processes of informative and persuasive deliveries.

**Grading:** Audit, Normal, Pass/No Pass  
**Repeatability:** Course not repeatable  
**Credit:** Degree Applicable  
**C-ID:** COMM 130  
**CSU:** CSU GE Area A1  
**UC:** Transferrable  
**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall, Spring, Summer

**COMM 4**  
**Argumentation and Debate**  
**Course Hours:** 54 hours lecture

3 Unit

In this course students will learn methods of critical inquiry and advocacy. They will also learn rhetoric, concepts in argumentation, identifying fallacies in reasoning and language, testing evidence and evidence sources, and defending and refuting arguments.

**Grading:** Audit, Normal, Pass/No Pass  
**Repeatability:** Course not repeatable  
**Credit:** Degree Applicable  
**C-ID:** COMM 120  
**CSU:** Transferrable  
**UC:** IGETC Area 1C  
**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Spring

**COMM 5**  
**Introduction to Communication Theory**  
**Course Hours:** 54 hours lecture

3 Unit

This course is a survey of the discipline with an emphasis on the epistemological, theoretical, and methodological issues that are significant to the study of human communication. In addition, the course explores topics such as the basic history, assumptions, principles, processes, variables, specializations, and methods of human communication as an academic field of study.

**Grading:** Audit, Normal, Pass/No Pass  
**Repeatability:** Course not repeatable  
**Credit:** Degree Applicable  
**C-ID:** COMM 180  
**CSU:** Transferrable  
**UC:** Transferrable  
**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall

**COMM 6**  
**Intercultural Communication**  
**Course Hours:** 54 hours lecture

3 Unit

This course is an introduction to intercultural communication both within a domestic and a global context. There is a focus on cultures, languages, and social patterns and how they influence communication of members within a group and communication between cultures. This course will foster an appreciation of communication among diverse groups within the larger context of American culture.

**Grading:** Audit, Normal, Pass/No Pass  
**Repeatability:** Course not repeatable  
**Credit:** Degree Applicable  
**C-ID:** COMM 150  
**CSU:** Transferrable  
**UC:** Transferrable  
**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Spring

**COMM C1000**  
**Introduction to Public Speaking (Formerly offered as COMM 1)**  
**Course Hours:** 54 hours lecture

3 Unit

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience and evaluation of various types of speeches, including informative and persuasive speeches.

**Grading:** Audit, Normal, Pass/No Pass  
**Repeatability:** Course not repeatable  
**Credit:** Degree Applicable  
**C-ID:** COMM 110  
**CSU:** Cal-GETC 1C:Oral Comm, CSU GE Area A1  
**UC:** Cal-GETC 1C:Oral Comm, IGETC Area 1C  
**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:**

## Computer and Business Information Systems

**CBIS 1**  
**Computer Concepts**  
**Course Hours:** 54 hours lecture; 54 hours laboratory

4 Unit

Overview of computer technology, theory, and concepts for multidisciplinary majors. Introduction to microcomputer and supercomputer terminology including history, societal impact, and peripherals. Functions and capabilities of word processors, spreadsheets, databases, and graphics are covered through lecture, discussion, and hands-on assignments. Concepts include types of software and hardware, data structure and management, communications and network fundamentals, and an introduction to basic programming language.

**Grading:** Audit, Normal, Pass/No Pass

**CBIS 1****Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ITIS 120**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**CBIS 101****Digital Literacy****Course Hours:** 18 hours lecture**0 Unit**

This course is an introductory course to personal computers, and is designed for those with little to no computer experience. In this course, students will learn about basic computer concepts, computer hardware, software, operating systems, the Internet, email, computer applications, online safety and security. This course also includes a brief introduction to industry standard word processing, spreadsheet, presentation application programs, and computer terminology. This course will prepare students for everyday use of the computer and the convergence of technology as used in today's global digital environment. This is a noncredit course.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**CBIS 13****Management of Information Systems****Course Hours:** 36 hours lecture; 54 hours laboratory**3 Unit**

Introduction to management information systems concepts. The course will present a variety of data processing facilities. Course topics include: The computer as an organizational information system, systems methodologies, and the computer as a problem-solving tool, the computer-based information system, and organizational information systems. Recommended Preparation: CBIS 1.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ITIS 120**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**CBIS 14****Internet Security****Course Hours:** 54 hours lecture; 54 hours laboratory**4 Unit**

This course will provide an overview of the field of information security and assurance. A spectrum of security activities, methods, methodologies, and procedures will be covered. Additional topics include: inspection and protection

**CBIS 14**

of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses, an overview of the information security planning and staffing functions, cryptogenic techniques and applications, and security ethical and legal issues. The course covers cross site scripting, SQL injection, rootkits, and virtualization.

**Prerequisite:** CBIS 1.**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**CBIS 15****Information Networking****Course Hours:** 36 hours lecture; 54 hours laboratory**3 Unit**

An introduction to the data communication field for the information technology student. Covers the introductory topics of hardware, software, protocols, channels, modems, local area networks, wide area networks, and various applications. Students will gain hands-on experience with current popular communications systems.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**CBIS 17****Database Design and Management-Microsoft Access****Course Hours:** 36 hours lecture; 54 hours laboratory**3 Unit**

This course examines the fundamentals of database structure, design and development. Topics include user requirements, file organizations, data structure and security, database processing, database management systems, and database development. Students design and develop database applications using a popular business database program.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring

**CBIS 19****Systems Analysis and Design****Course Hours:** 36 hours lecture; 54 hours laboratory

Traditional systems analysis and design methods and tools. Topics include role of the Systems Analyst, feasibility studies, modeling technique systems design, reporting and documentation, and implementation strategies. Computer-Aided Software Engineering (CASE) tools will be utilized to design and develop Information Systems. Prerequisite: CBIS 1.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**3 Unit****CSIS 18****CSIS 33****Programming Concepts & Methodology I Using C++****Course Hours:** 36 hours lecture; 54 hours laboratory

Computer software design, implementation, methods, and environment using C++ programming language. Survey of computers, applications, and other areas of computer science. Program design, coding, debugging, and documentation using techniques of good programming style. Program development in a powerful operating environment.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** COMP 122**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**3 Unit**

# Computer and Information Science

**CSIS 10****Computer Architecture and Organization with Assembly Programming****Course Hours:** 36 hours lecture; 54 hours laboratory

This course provides an overview of the architecture and organization of a modern computer. Topics include: data representation, digital logic, digital systems, CPU, control unit, pipelining, I/O organization, memory, storage systems, sequential and parallel architecture, instruction set architecture and programming in assembly language.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** COMP 142**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**3 Unit****CSIS 35****Data Structures****Course Hours:** 36 hours lecture; 54 hours laboratory

Application of software engineering techniques to the design and development of large programs; data abstraction and structures and associated algorithms. Abstract data structures including lists, stacks, queues and trees; their storage allocation and associated application algorithms. Additional concepts will be covered: recursion, hashing, searching, sorting, B-trees, and graph theory. Prerequisite: CSIS 33.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** COMP 132**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**3 Unit****CSIS 18****Discrete Structures****Course Hours:** 54 hours lecture

This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics covered include: Functions, Relations and Sets; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability. Prerequisite: CSIS 33.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** COMP 152**CSU:** CSU GE Area B4**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**3 Unit**

# Cosmetology

**COSM 50A****Cosmetology Fundamentals****Course Hours:** 36 hours lecture; 216 hours laboratory

This course provides students with the fundamentals of cosmetology including the purpose of sterilization and proper procedures and techniques in protecting the health and safety of the client and technician. Students will learn hairstyling, finger waving, pin curling, comb-outs, straightening, waving, curling hot curling irons and blow-dry styling and the importance of general human anatomy, physiology, circulatory, nervous, and endocrine systems. In the cosmetology industry, ergonomics, theory of electricity in cosmetology, bacteriology, communicable diseases, including HIV/AIDS, Hepatitis B, and Staph and Safety Data Sheets. In order to meet state requirements for testing, students must

**6 Unit**

### **COSM 50A**

have a high school diploma or its equivalent or have completed 10th grade and passed an Ability to Benefit (ATB) and be at least 17 years old.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

### **COSM 50B**

**6 Unit**

#### **Hair Cutting and Product Knowledge**

**Course Hours:** 36 hours lecture; 216 hours laboratory

This course provides students with theory and practical knowledge of hair cutting techniques and hair products used in cosmetology. Using proper sterilization and sanitation techniques on all equipment and instruments, students will learn hair analysis, shampooing, use of scissors, razor/shaper, electrical clippers/trimmers, thinning/tapering shears for wet and dry cutting. In order to meet state requirements for testing, students must have a high school diploma or its equivalent or have completed 10th grade and passed an Ability to Benefit (ATB) and be at least 17 years old. Beginning Cosmetology (COSM 50B) is a continuation of a fundamentals of cosmetology. Theory in rules, regulations, and sanitation, professional image, bacteriology, basic procedures of draping, shampooing, haircutting, thermal iron techniques and hair augmentation are taught by lecture and demonstration of supervised work practice. To meet state board requirements for testing, students must have a (GED) or have completed 10th grade and passed an ability to benefit (ATB) and at least 17 years old. Prerequisite: COSM 50A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

### **COSM 50C**

**6 Unit**

#### **Cosmetology Science**

**Course Hours:** 36 hours lecture; 216 hours laboratory

This course provides students with the theory and practical knowledge of the science used in cosmetology. Ensuring use of proper sterilization and following procedures and techniques in protecting the health and safety of the client and technician students will learn the science related to cosmetology; acid and permanent alkaline waving, chemical straightening including the use of sodium hydroxide and other base solutions, use of semi- permanent, demi-permanent and temporary colors, hair analysis, predisposition and strand tests, safety precautions, formula mixing, tinting, bleaching, high and lowlights, and the use of dye removers. In order to meet state requirements for testing, students must have a high school diploma or its equivalent or have completed 10th grade and passed an Ability to Benefit (ATB) and be at least

### **COSM 50C**

17 years old. Prerequisite: COSM 50B.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

### **COSM 51A**

**6 Unit**

#### **Nail Technology**

**Course Hours:** 36 hours lecture; 216 hours laboratory

This course provides theory and practical knowledge of nail technology used in cosmetology. Ensuring use of proper sterilization and sanitation techniques students will learn about nail analysis and conditions, water manicures, hand/foot and arm/ankle massage, acrylic, liquid and powder brush-on, artificial nail tips and nail wrap and repairs along with communication skills, professional ethics, salesmanship, record keeping and client service records. In order to meet state requirements for testing, students must have a high school diploma or its equivalent or have completed 10th grade and passed an Ability to Benefit (ATB) and be at least 17 years old. Prerequisite: COSM 50C.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

### **COSM 51B**

**6 Unit**

#### **Esthetician Technology**

**Course Hours:** 36 hours lecture; 216 hours laboratory

This course provides theory and practical knowledge of esthetician technology used in cosmetology. Course content includes: disinfection and sanitation, including proper procedures to protect the health and safety of the consumer and technician, proper disinfection procedures for equipment used in establishments, facials: including cleansing, scientific manipulations, packs, and masks. Electrical facials, electrical modalities, dermal lights and electrical apparatus. Chemical facials: chemical skin peels, and scrubs. Eyebrow arching, hair removal, use of wax, use of tweezers and depilatories. Skin analysis, complete and corrective makeup, and application of false eyelashes. In order to meet state requirements for testing, students must have a high school diploma or its equivalent or have completed 10th grade and passed an Ability to Benefit (ATB) and be at least 17 years old. Prerequisite: COSM 51A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully

## **COSM 51B**

In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **COSM 51C**

**6 Unit**

### **Business in Cosmetology and Skills Review**

**Course Hours:** 36 hours lecture; 216 hours laboratory

This course provides theory and practical knowledge of business practices used in cosmetology. The business in beauty course gives students the tools they need to improve their business skills needed as a cosmetologist as students prepare for exciting careers in the beauty industry. Course content includes learning how to discover your vision, set your business growth goals, strategize your business development, best practices for cover letters, resumes, portfolios, social media profiles, and a review of all cosmetology skills as students prepare for their final class in the series. In order to meet state requirements for testing, students must have a high school diploma or its equivalent or have completed 10th grade and passed an Ability to Benefit (ATB) and be at least 17 years old. Recommended Preparation: COSM 50A, COSM 50B, COSM 50C, COSM 51A and COSM 51B.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **COSM 52**

**6 Unit**

### **State Board Preparation**

**Course Hours:** 36 hours lecture; 216 hours laboratory

The course will provide students with theory and practical knowledge in preparation for the State Board Cosmetologist Examination. The Cosmetology exam consists of two parts: written and practical application. In this course students will be preparing for (NIC) National-Interstate Council, California state-board of cosmetology examination. Students will be assessed on each task required for the State-board practical & theory examinations. In order to meet state requirements for testing, students must have a high school diploma or its equivalent or have completed 10th grade and passed an Ability to Benefit (ATB) and be at least 17 years old. Prerequisite: COSM 51C.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

# **Counseling**

## **COUN 5**

**3 Unit**

### **Career and Life Planning (formerly offered as SDEV 5)**

**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

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

# **Customer Service**

## **CUST 100**

**0 Unit**

### **Essential Skills**

**Course Hours:** 18 hours lecture

This noncredit course is designed to develop or enhance skills essential for excellence in the workplace. Participants will engage in interactive, skill-building activities and discussions that include, but is not limited to, collaboration with others, effective oral and written communication, critical thinking, problem solving, and effective interaction in peer and supervisor interactions in the work environment. Additional emphasis will be on improving ethical behavior and cultivating a strong work ethic.

**Grading:** Audit, Noncredit

**Repeatability:** Unlimited

**Credit:** Noncredit

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **CUST 110**

**0 Unit**

### **Customer Service and Sales**

**Course Hours:** 18 hours lecture

This noncredit course introduces students to the knowledge, skills, and abilities needed for customer-centered positions. Effective service improves quality of life, whether students plan to work in private enterprise, government, non-profits, or family-owned businesses. The course focuses on key concepts, strategies, and techniques for delivering excellent customer service. Students will also develop essential skills, including communication, relationship building, critical thinking, understanding diversity, teamwork, and flexibility.



**CUST 110****Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer

# Diesel Technology

**DESL 63****4 Unit****Diesel Engine Fundamentals****Course Hours:** 54 hours lecture; 54 hours laboratory

This course is designed to provide students with a working knowledge of diesel engines. The development, uses, advantages/ disadvantages, design, components, operating principles, diesel fuels, combustion process, and exhaust emissions will be covered within this course. The student will perform pre-operational services, initial inspections, identifying engine components, and generally touch on all systems in regards to diesel engines. Students will gain hands-on experience of tools and test equipment used in the repair and servicing of diesel engines.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**DESL 64****4 Unit****Diesel Fuel Injection Systems****Course Hours:** 54 hours lecture; 54 hours laboratory

This course is designed to prepare the student with the basic understanding of the maintenance, diagnosis, and repair of diesel fuel-injection systems. Topics covered will include various fuel systems, requirements and standards of fuel systems, safety precautions, basic operations, principles, hand-on repair and diagnosis, service procedures for several types of fuel injectors and nozzles, and hands-on testing of selected fuel injectors. This course also provides the student with hands-on experience of fuel-injection equipment, tools and the preparation of the ASE T2 examination.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**DESL 65****4 Unit****Diesel Starting, Charging, and Electrical Systems****Course Hours:** 54 hours lecture; 54 hours laboratory

This course is designed to provide students with a working knowledge of diesel engine starting and charging systems, including basic electrical principles, batteries and battery service, electronic devices, AC and DC charging systems, and cranking systems. An emphasis will be placed on theory, use of test equipment, diagnosis of electrical problems, and repair/ replacement of charging and starting systems and their components.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Summer**DESL 67****4 Unit****Diesel Engine Auxiliary Systems****Course Hours:** 54 hours lecture; 54 hours laboratory

This Course is designed to provide the students with the working knowledge of the diesel engine auxiliary systems. Topics covered include component identification and function, design, initial inspection diagnosis, component removal and replacement, troubleshooting and repair of air induction and exhaust systems, cooling systems, hydraulic systems, lubrication systems, and an overview of diesel fuel-injection systems. This course also provides preparation for the T2 ASE examination.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**DESL 70****4 Unit****Steering, Suspension and Brakes****Course Hours:** 54 hours lecture; 54 hours laboratory

This course is designed to illustrate theory of operation and service procedures involved in the diesel braking systems and the use of repair tools and equipment. Emphasis will be focused on power brakes, dual braking systems, hydraulic systems, and PN systems. Students will develop an understanding of the functions, theory of operation, maintenance, diagnosis, and service procedures involved in steering and suspension systems.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**DESL 70**  
**Offered:** Fall

## 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: Completion of elementary algebra or appropriate placement based on AB705 mandates.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ECON 202

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

### **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: Completion of elementary algebra or appropriate placement based on AB705 mandates.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ECON 201

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## 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

### **EDUC 1**

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:** EDUC 200

**CSU:** Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

## Electrical Technology

**1 Unit**

### **ELCT 70A**

#### **Electrical Safety and Hand Bending**

**Course Hours:** 18 hours lecture

This course is designed to introduce the safety rules as applied to handling and working with electrical systems and circuits. Students will learn about the precautions to take for various electrical hazards found on the jobsite and required OSHA mandated lock out and tag out procedures. Methods and procedures will be introduced on cutting, bending, and reaming conduit.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

### **ELCT 70B**

**1 Unit**

#### **Fasteners and Electrical Theory**

**Course Hours:** 18 hours lecture

This course teaches applications and installation procedures for various types of fasteners and anchors. Students will learn, basic electric theory, circuit calculations involving the application of Ohm's and Kirchoff's laws.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**ELCT 70B**  
Offered: Fall

**ELCT 70C** 2 Unit  
**Electrical Test Equipment, National Electrical Code (NEC)**

**Course Hours:** 36 hours lecture

This course is designed to operate and apply various types of electrical test equipment. Students will learn the National Electrical Code (NEC), various types of raceways, boxes, fittings, and conductors including installation procedures and NEC requirements.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**ELCT 70D** 1 Unit  
**Introduction to Electrical Blueprints**

**Course Hours:** 18 hours lecture

This course teaches electrical blueprint reading, including the interpretation of various types of scales, drawings, schedules, and specifications. Students will learn various types of switches and receptacles used in residential, commercial, and industrial wiring, along with their basic installation procedures and NEC requirements.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**ELCT 70E** 1 Unit  
**Electrical Level 1 Performance Testing**

**Course Hours:** 54 hours laboratory

This course provides student's the opportunity to participate in a laboratory class that is designed to enhance their knowledge and develop skill application in electrical construction and repair procedures. Students will demonstrate electrical safety, hand bending, fasteners and electrical theory, test equipment, NEC, raceway boxes, fittings, and conductors.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**ELCT 70E**

# English

**ENGL 11** 3 Unit  
**Graphic Novel as Literature**

**Course Hours:** 54 hours lecture

This course is an introduction to the graphic novel as a literary form. English 11 will cover the evolution of sequential art through the present, focusing on themes of autobiography, biography, identity, society, culture, history, and intertextuality. The course will also include visual analysis necessary for understanding the medium and the formation of literary canon. Prerequisite: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2

**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring Odd

**ENGL 12** 3 Unit  
**Survey of American Literature to 1865**

**Course Hours:** 54 hours lecture

This course introduces students to America's literary traditions from their beginnings to the second half of the nineteenth century. Prerequisite: ENGL C1000 (formerly listed as ENGL 1A.)

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** ENGL 130

**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2

**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Even

**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:** Cal-GETC 3B:Humanities, CSU GE Area C2

**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**ENGL 12B****Offered:** Spring Odd**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:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall Even**ENGL 194****0 Unit****Bridge to College Success - English Level 4****Course Hours:** 18-54 hours lecture

Course is noncredit for those who completed the assessment test and who scored at transfer level but for some reason may not have full skills to adapt to college English instruction. Students will be refreshed on necessary writing and reading processes. Aimed at students who would like to prepare for ENGL 1A and/or who have not been in English or school recently and would like a brief refresher and introduction to college presentation of English.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Support course - Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**ENGL 1B****3 Unit****Introduction to Literature****Course Hours:** 54 hours lecture

This course is an introduction to literature and includes substantial reading of a variety of literary genres, including expository, poetry, short story, novel, and drama. Students will read works from a variety of eras and genres, then respond in written analyses using various literary criticisms and schools of thought. Prerequisite: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 120**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**ENGL 1B****Offered:** Fall, Spring**ENGL 2****3 Unit****Survey of English Literature to the Romantic Era****Course Hours:** 54 hours lecture

This course includes the reading and critical analysis of 8th through 18th Century English literature, including poetic, prose, and dramatic work. Students are to read, identify, and discuss famous authors and works of literature in terms of time period and themes, composing original essays with emphasis on tools for literary analysis in terms of universal, historical, societal, and human context. Prerequisite: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 160**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall Odd**ENGL 3****3 Unit****Survey of English Literature: Romantic Era to Present****Course Hours:** 54 hours lecture

English 3 is a continuation of English 2. It covers representative works in 18th century to contemporary British and post-colonial texts. Prerequisite: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 165**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring Even**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:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall Even

**ENGL 5****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. Includes an overview of the literary content as well as social values and the impact of children's literature on individuals and society. Prerequisite: ENGL C1000 (formerly known as ENGL 1A.)

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 180**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall Odd**3 Unit****ENGL C1000****Academic Reading and Writing (Formerly offered as ENGL 1A)****Course Hours:** 72 hours lecture

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. Prerequisite: Eligibility for college level composition as determined by AB705: Guided Self Placement.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 100**CSU:** Cal-GETC 1A:English Comp, CSU GE Area A2**UC:** Cal-GETC 1A:English Comp, IGETC Area 1A**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****4 Unit****ENGL 6****Bible as Literature****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 C1000 (formerly known as ENGL 1A.)

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring Even**3 Unit****ENGL C1001****Critical Thinking and Writing (Formerly offered as ENGL 1C)****Course Hours:** 72 hours lecture

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 Academic Reading and Writing (or C-ID ENGL 100) or similar first-year college writing course.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 105**CSU:** Cal-GETC 1B:CriticalThnk&Comp, CSU GE Area A3**UC:** Cal-GETC 1B:CriticalThnk&Comp, IGETC Area 1B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****4 Unit****ENGL 7****Creative Writing****Course Hours:** 54 hours lecture

This course will focus on the creative writing process in which students produce a body of creative work for publication: poetry, short story and drama. Students are to discuss a variety of forms of literary works, terms, and techniques in attempt to integrate these terms and techniques into their own writing through the drafting and editing process, gaining transferable skills in the process. Prerequisite: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 200**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring Even**3 Unit**

# English as a Second Language

**ESL 100****Fundamentals of ESL Grammar****Course Hours:** 36 hours lecture

This intermediate credit ESL course focuses on the development of fundamental grammar skills in context. Course emphasis is on word forms and common constructions of phrases, building to types of clauses. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn as students plan for success in present and future goals. Prerequisite: ESL 192.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**2 Unit**

**ESL 100****UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 105****3 Unit****ESL: The Language of Math****Course Hours:** 54 hours lecture

This intermediate credit ESL course focuses on the development of the language of math in context. Course emphasis is on math-specific vocabulary development, fundamentals of mathematical directions, and comprehension and resolution of word problems. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on problem solving in arithmetic and business math, as well as building a fundamental knowledge of algebra, statistics, and accounting. Recommended Preparation: ESL 192.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**ESL 106****3 Unit****Fundamentals of ESL Oral Communication****Course Hours:** 54 hours lecture

This intermediate credit ESL course focuses on the development of fundamental interactive, oral communication skills in context. Course emphasis is on conversational fluency and norms, small and whole group discussions, and listening comprehension. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals. Recommended Preparation: ESL 192.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**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.

**ESL 107****Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**ESL 108****4 Unit****Fundamentals of ESL Reading and Writing****Course Hours:** 72 hours lecture

This intermediate ESL course focuses on the development of fundamental reading and writing skills. Course emphasis is on developing reading strategies for comprehension, responding to intermediate-level readings, and sentence and paragraph development. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals. Prerequisite: ESL 192.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 109****3 Unit****American Culture and Film****Course Hours:** 54 hours lecture

This advanced credit ESL course focuses on American English and culture throughout our history, exploring themes, trends, and events in the American cultural experience that have significantly shaped American culture and interactions of today, facilitating comprehension of context as students build language and communication strategies in their personal, social, educational, and career paths. This course is designed to prepare students for college level coursework. Recommended Preparation: ESL 116 or ESL 166.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall Even**ESL 110****2 Unit****Intermediate ESL Grammar****Course Hours:** 36 hours lecture

This high-intermediate ESL course focuses on the continued development of grammar skills in context. Course emphasis is on refinement of use of word forms and strengthening

**ESL 110**

constructions of phrases, clauses, and sentence types. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn as students plan for success in present and future goals. Prerequisite: ESL 100 or ESL 150.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Not Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**ESL 116****3 Unit****Intermediate ESL Oral Communication**

**Course Hours:** 54 hours lecture

This high-intermediate credit ESL course focuses on the continued development of oral communication skills. Course emphasis is on building fluency in conversations, small and whole group discussions, short informal and formal speeches, beginning note taking, and listening comprehension. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals. Recommended Preparation: ESL 106 or ESL 156.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Not Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**ESL 118****4 Unit****Intermediate ESL Reading and Writing**

**Course Hours:** 72 hours lecture

This high-intermediate ESL course focuses on refining fundamental reading and writing skills. Course emphasis is on independent reading, strengthening reading comprehension, analysis of main ideas and significant details, response to facts and opinions, vocabulary enrichment, writing process, paragraph development and organization, purpose, audience, and sentence types. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals. Prerequisite: ESL 108 or ESL 158.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Not Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**ESL 120****2 Unit****Advanced ESL Grammar**

**Course Hours:** 36 hours lecture

This low-advanced ESL course focuses on the refinement of grammar skills in context. Course emphasis is on developing more sophisticated grammatical structures, focusing on adjective clauses, adverbial clauses, noun clauses, and passive voice. Students will also expand knowledge of error correction. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics in order to support students as they work toward college-level coursework. Recommended Preparation: ESL 110 or ESL 160.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Not Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**ESL 126****3 Unit****Advanced ESL Oral Communication**

**Course Hours:** 54 hours lecture

This low-advanced ESL course focuses on the development of oral communication skills in academic and professional settings. Students listen and respond to lectures, presentations, and discussions on advanced academic and professional topics. Course emphasis is on critical discussion and presentations, strengthening of comprehension and fluency, search for bias, effective note-taking strategies, and vocabulary enrichment. Students build strategies of analysis and evaluation of main ideas, details, facts, and opinions. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics in preparation for college-level coursework. Recommended Preparation: ESL 116 or ESL 166.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Not Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**ESL 128****4 Unit****Advanced ESL Reading and Writing**

**Course Hours:** 72 hours lecture

This advanced ESL course focuses on strengthening reading and writing skills. Course emphasis is on independent reading, strengthening comprehension, evaluation of main ideas and significant details, analysis and evaluation of facts and opinions, search for bias, vocabulary enrichment, essay development and organization, purpose, audience, and sentence types. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics in preparation for college-level coursework. Prerequisite: ESL

**ESL 128**

118 or ESL 168.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 130****2 Unit****Bridge to Academic Success: Grammar for Editing****Course Hours:** 36 hours lecture

This high-advanced ESL course focuses on grammar for editing in context. Course emphasis is on advanced error correction in strengthening clarity in writing and presentations. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics. Designed to prepare students for degree-applicable courses. Prerequisite: ESL 120 or ESL 170.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 136****3 Unit****Bridge to Academic Oral Communication****Course Hours:** 54 hours lecture

This high-advanced ESL course focuses on the expansion of oral communication skills in academic and professional settings. Students listen and respond to lectures, presentations, and discussions on advanced academic and professional topics. Course emphasis is on logical, argumentative presentations, identification of research as support, critical discussion, strengthening of comprehension and fluency, evaluation of presented ideas, analysis of bias, expanding effective note-taking strategies, and vocabulary enrichment. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics. Designed to prepare students for degree-applicable courses. Prerequisite: ESL 126 or ESL 176.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 138****4 Unit****Bridge to College Reading and Writing****Course Hours:** 72 hours lecture

This high-advanced ESL course is designed to prepare students for college-level coursework. Through the reading and analysis of academic texts, students will build their reading comprehension and fluency in English as they focus on essay structure and development. Course emphasis is on developing thesis statements, building paragraphs into essays, refining approach to the writing process, purpose, audience, and advanced sentence production. Study and research skills are also covered in this course. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics. Prerequisite: ESL 128 or ESL 178.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Not Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 150****0 Unit****Fundamentals of ESL Grammar****Course Hours:** 36 hours lecture

This intermediate ESL course focuses on the development of fundamental grammar skills in context. Course emphasis is on word forms and common constructions of phrases, building to types of clauses. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn as students plan for success in present and future goals. This is a noncredit course mirroring ESL 100 (credit). Prerequisite: ESL 192.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 151****0 Unit****U.S. Citizenship****Course Hours:** 54 hours lecture

This intermediate noncredit ESL course focuses on the pathway to citizenship for eligible immigrants. This course develops fundamental and interactive oral communication, reading, and writing skills relating to U.S. history, civics, and the N-400. Course emphasis is on preparing students for the naturalization process, interview, and oath of allegiance. Prerequisite: ESL 192.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable



**ESL 151****UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**ESL 155****0 Unit****ESL: The Language of Math****Course Hours:** 54 hours lecture

This intermediate noncredit ESL course focuses on the development of the language of math in context. Course emphasis is on math-specific vocabulary development, fundamentals of mathematical directions, and comprehension and resolution of word problems. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on problem solving in arithmetic and business math, as well as building a fundamental knowledge of algebra, statistics, and accounting. This course mirrors ESL 105 (credit). Prerequisite: ESL 192.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**ESL 156****0 Unit****Fundamentals of ESL Oral Communication****Course Hours:** 54 hours lecture

This intermediate ESL course focuses on the development of fundamental interactive, oral communication skills in context. Course emphasis is on conversational fluency and norms, small and whole group discussions, and listening comprehension. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals. This is a noncredit course mirroring ESL 106 (credit). Prerequisite: ESL 192.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**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 noncredit course mirroring ESL

**ESL 157**

107 (credit). Prerequisite: ESL 192.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**ESL 158****0 Unit****Fundamentals of ESL Reading and Writing****Course Hours:** 72 hours lecture

This intermediate ESL course focuses on the development of fundamental reading and writing skills. Course emphasis is on developing reading strategies for comprehension, responding to intermediate-level readings, and sentence and paragraph development. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals. This is a noncredit course mirroring ESL 108 (credit). Prerequisite: ESL 192.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 159****0 Unit****American Culture and Film****Course Hours:** 54 hours lecture

This advanced ESL course focuses on American English and culture throughout our history, exploring themes, trends, and events in the American cultural experience that have significantly shaped American culture and interactions of today, facilitating comprehension of context as students build language and communication strategies in their personal, social, educational, and career paths. This course is designed to prepare students for college level coursework. This noncredit course mirrors ESL 109. Prerequisite: ESL 116 or ESL 166.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall Even

**ESL 160****Intermediate ESL Grammar****Course Hours:** 36 hours lecture

This high-intermediate ESL course focuses on the continued development of grammar skills in context. Course emphasis is on refinement of use of word forms and strengthening constructions of phrases, clauses, and sentence types. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn as students plan for success in present and future goals. This is a noncredit course mirroring ESL 110 (credit). Prerequisite: ESL 100 or ESL 150.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**0 Unit****ESL 166****Intermediate ESL Oral Communication****Course Hours:** 54 hours lecture

This high-intermediate ESL course focuses on the continued development of oral communication skills. Course emphasis is on building fluency in conversations, small and whole group discussions, short informal and formal speeches, beginning note taking, and listening comprehension. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals. This is a noncredit course mirroring ESL 116 (credit). Prerequisite: ESL 106 or ESL 156.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**0 Unit****ESL 168****Intermediate ESL Reading and Writing****Course Hours:** 72 hours lecture

This high-intermediate ESL course focuses on refining fundamental reading and writing skills. Course emphasis is on independent reading, strengthening reading comprehension, analysis of main ideas and significant details, response to facts and opinions, vocabulary enrichment, writing process, paragraph development and organization, purpose, audience, and sentence types. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of health and/or learning to earn and planning for success in present and future goals. This noncredit course mirrors ESL 118 (credit). Prerequisite: ESL 108 or ESL 158.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**0 Unit****ESL 168****Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**0 Unit****ESL 170****Advanced ESL Grammar****Course Hours:** 36 hours lecture

This low-advanced ESL course focuses on the refinement of grammar skills in context. Course emphasis is on developing more sophisticated grammatical structures, focusing on adjective clauses, adverbial clauses, noun clauses, and passive voice. Students will also expand knowledge of error correction. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics in order to support students as they work toward college-level coursework. This noncredit course mirrors ESL 120 (credit). Prerequisite: ESL 110 or ESL 160.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 176****Advanced ESL Oral Communication****Course Hours:** 54 hours lecture

This low-advanced ESL course focuses on the development of oral communication skills in academic and professional settings. Students listen and respond to lectures, presentations, and discussions on advanced academic and professional topics. Course emphasis is on critical discussion and presentations, strengthening of comprehension and fluency, search for bias, effective note-taking strategies, and vocabulary enrichment. Students build strategies of analysis and evaluation of main ideas, details, facts, and opinions. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics in preparation for college-level coursework. This is a noncredit course mirroring ESL 126 (credit). Recommended Preparation: ESL 116 or ESL 166.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**0 Unit**

**ESL 178****Advanced ESL Reading and Writing****Course Hours:** 72 hours lecture

This advanced ESL course focuses on strengthening reading and writing skills. Course emphasis is on independent reading, strengthening comprehension, evaluation of main ideas and significant details, analysis and evaluation of facts and opinions, search for bias, vocabulary enrichment, essay development and organization, purpose, audience, and sentence types. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics in preparation for college-level coursework. This noncredit course mirrors ESL 128 (credit). Prerequisite: ESL 118 or ESL 168.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**0 Unit****ESL 186**

noncredit course mirroring ESL 136 (credit). Prerequisite: ESL 126 or ESL 176.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**ESL 188****Bridge to College Reading and Writing****Course Hours:** 72 hours lecture

This high-advanced ESL course is designed to prepare students for college-level coursework. Through the reading and analysis of academic texts, students will build their reading comprehension and fluency in English as they focus on essay structure and development. Course emphasis is on developing thesis statements, building paragraphs into essays, refining approach to the writing process, purpose, audience, and advanced sentence production. Study and research skills are also covered in this course. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics. This noncredit course mirrors ESL 138 (credit). Prerequisite: ESL 128 or ESL 178.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**0 Unit****ESL 180****ESL Grammar for Academic Writing and Editing****Course Hours:** 36 hours lecture

This high-advanced ESL course focuses on grammar for editing in context. Course emphasis is on advanced error correction in strengthening clarity in writing and presentations. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics. Designed to prepare students for degree-applicable courses. This noncredit course mirrors ESL 130 (credit). Prerequisite: ESL 120 or ESL 170.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**0 Unit****ESL 190****Developing Literacy****Course Hours:** 72 hours lecture

This is a beginning course in English as a Second Language that focuses on developing literacy. This course focuses on survival English skills through building vocabulary and developing speaking, listening, reading, and writing skills. Students are introduced to common practices in the American classroom and norms of social exchanges in the United States. This noncredit course, in conjunction with ESL 192, will prepare students for intermediate courses in ESL.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**0 Unit****ESL 186****Bridge to Academic Oral Communication****Course Hours:** 54 hours lecture

This high-advanced ESL course focuses on the expansion of oral communication skills in academic and professional settings. Students listen and respond to lectures, presentations, and discussions on advanced academic and professional topics. Course emphasis is on logical, argumentative presentations, identification of research as support, critical discussion, strengthening of comprehension and fluency, evaluation of presented ideas, analysis of bias, expanding effective note-taking strategies, and vocabulary enrichment. This course takes a content-based approach to instruction, connecting skills to cultural context, focusing on topics of U.S. history, religion, and/or politics. Designed to prepare students for degree-applicable courses. This is a

**0 Unit**

**ESL 192****Expanding Foundations in ESL****Course Hours:** 72 hours lecture

This is an English as a Second Language course that focuses on expanding the foundations of literacy. This course continues to build on the use of language in everyday contexts through focus on vocabulary development, pronunciation, speaking practice, listening comprehension, and fundamental reading and writing skills. This course, in conjunction with ESL 190, is designed to prepare students for intermediate ESL coursework. This is a noncredit course. Prerequisite: ESL 190.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**0 Unit****ENTR 1**

when making good and even some not-so-good decisions. Special emphasis is placed on three key aspects of entrepreneurship: (1) the individual, their attitudes, behaviors, and skills that make entrepreneurs successful; (2) the generation, validation, and execution of business opportunities; (3) the strategy and plans for the business.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Fall, Spring, Summer**ENTR 2****3 Unit****Entrepreneurship Basic: Design Thinking and Supply Chain****Course Hours:** 54 hours lecture

Entrepreneurship has been described as the capacity and willingness to develop, organize, and manager a new business venture along with any of its risks in order to make a profit. This course will expose students to entrepreneurial concepts such as supply chain management, problem solving, and communication with an emphasis on design thinking. Design thinking encourages organizations to focus on the people they are creating for and leads to human-centered products, services, and internal processes. Recommended Preparation: ENTR 1.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Fall, Spring**ENTR 3****3 Unit****Starting a Business with Limited Resources****Course Hours:** 54 hours lecture

Entrepreneurs start and grow businesses in home offices, garages, and even on public transportation using a laptop or smartphone. Social media and technology have leveled the playing field for the ordinary person wanting to become an entrepreneur. These entrepreneurs are finding creative ways of starting businesses, in spite of limited networks and financial resources. This course will introduce students to bootstrapping: limited-resource startup concepts and strategies. Additionally, this course will engage students by focusing on lean market strategies for testing product/service validity and identifying social media strategies, platforms, and tactics to launch their business, or expand their reach. Students will experience entrepreneurial situations and best practices through case studies, interactive sessions, and class exercises. Recommended Preparation: ENTR 1.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**ESL 1A****ESL College Composition and Reading****Course Hours:** 72 hours lecture

ESL college 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. Writing includes essays and research paper. This course is equivalent to English 1A but is designed for speakers of other languages as they delve into college level coursework. Assignments and methodology focus on diversity of perspectives and voice. Not available for students who have successfully completed English 1A. Recommended Preparation: ESL 138 or ESL 188 or eligibility for college level composition as determined by AB705: Guided Self Placement.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 100**CSU:** Cal-GETC 1A:English Comp, CSU GE Area A2**UC:** Cal-GETC 1A:English Comp, IGETC Area 1A**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****4 Unit****Entrepreneurship****ENTR 1****Entrepreneurial Mindset****Course Hours:** 54 hours lecture

This course will teach the students how to thrive in today's world using the Entrepreneurial Mindset. To thrive in today's world, one has to be resourceful, creative, innovative, competitive, and entrepreneurial. Entrepreneurship explores the process and skills students need to recognize enterprising opportunities in the 21st Century environment and understanding how to benefit from them. Also presented in this course are descriptions of real entrepreneurs in action, facing the challenges that entrepreneurs must deal with,

**3 Unit**

### **ENTR 3**

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam

**Offered:** Spring

### **ENTR 4**

**3 Unit**

**Money, Finance and Accounting for Entrepreneurs**

**Course Hours:** 54 hours lecture

One of the more challenging aspects of entrepreneurship deals with financing. Determine how much you need and how entrepreneurial finance works: where, when and how to get financing, equity, bootstraps, angel investors and venture capitalists. Learn the critical importance of leveraging resources. Discover what you really need to know about bookkeeping, accounting, and using numbers to make smarter decisions. Recommended Preparation: ENTR 1.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam

**Offered:** Spring

## **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. Emphasis on Native, African, Latinx, and Asian American cultural experiences.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area F, CSU GE Area D

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 7, IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

### **ETHN 5**

**3 Unit**

**Introduction to the Latinx Experience**

**Course Hours:** 54 hours lecture

This course surveys the social, political, economic and

### **ETHN 5**

cultural development and experience of the various Latin Americans in the United States. The survey includes the following groups: Mexicans, Puerto Ricans, Cubans and other Caribbean people, Central and South Americans. The course also analyzes the contributions made by the Latin Americans to the economic development of the North American society.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area F, CSU GE Area D

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 7, IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous

**Offered:** Fall, Spring

### **ETHN 6**

**3 Unit**

**Introduction to African American Studies**

**Course Hours:** 54 hours lecture

This course provides an introductory examination of African American culture, history, and heritage in the United States from colonial contact through the 21st Century. This course will include an examination of the transition into the era of African enslavement in Colonial America, an exploration of African American cultural development during the era of Reconstruction, an evaluation of African American political movements in response to social injustice and African American creative production, an analysis of the assimilation of African American culture into broader American culture during the 20th century, and finally, to examine and evaluate the African American community of the 21st Century.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area F, CSU GE Area D

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 7, IGETC Area 4

**Modality:** Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **Geography**

### **GEOG 3**

**3 Unit**

**World Regional Geography**

**Course Hours:** 54 hours lecture

This course is an introduction to world regional geography, emphasizing the nature of major cultural regions of the world. Through a comprehensive regional analysis including spatial and historical influences, students will learn social structures, religions, languages, political systems, economics, environmental relationships, transportation networks, population dynamics, and urban development across the globe. Recommended Preparation: Reading college-level text and eligibility for English Composition.

**Grading:** Audit, Normal, Pass/No Pass

## **GEOG 3**

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** GEOG 125

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Odd

# Geology

## **GEOL 1L**

**4 Unit**

**Physical Geology**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course is an introduction to the science of the earth with emphasis on: minerals and rocks, plate tectonics, volcanic activity, earthquakes, geologic processes which shape the earth's surface, and structure of the earth. The lab includes the identification of common rocks and minerals and the interpretation of geologic features from maps, aerial photos, and field observations. A one-day (8-10 hours) field trip is required.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **GEOL 4**

**3 Unit**

**The Age of the Dinosaurs**

**Course Hours:** 54 hours lecture

This course covers the historical geology and paleontology of the Mesozoic era including dinosaur evolution, ecology, lifestyles, habitat and extinction. Current controversies in dinosaur research will also be discussed. One-day (8-10 hours) field trip required.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 5A:Physical Sci, CSU GE Area B1, CSU GE Area B2

**UC:** Cal-GETC 5A:Physical Sci, IGETC Area 5A-Phys Sci

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Odd

# Health

## **HEAL 1**

**3 Unit**

**Health Education**

**Course Hours:** 54 hours lecture

This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on health topics which include: health care systems; substances including alcohol, caffeine, narcotics and other drugs; ecology; birth to death cycle; self-awareness; effective consumer practices; nutrition and physical conditioning.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** CSU GE Area E

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **HEAL 2**

**3 Unit**

**Nutrition**

**Course Hours:** 54 hours lecture

This course covers the fundamentals of nutrition, the interaction of carbohydrates, fats, proteins, vitamins, minerals and water in the human body. Students will learn how food choices affect disease and energy balance. Students will also learn to distinguish between scientific information and popular nutrition misinformation. Students will understand how their own personal choices impact their overall health.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** NUTR 110

**CSU:** CSU GE Area E

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

# History

## **HIST 1A**

**3 Unit**

**Survey of Western Civilization: The Ancient Near East to 1648**

**Course Hours:** 54 hours lecture

This class will cover the emergence of Western Civilization from its roots in the Middle East, its flourishing in Greece and Rome, through Medieval society, to the Renaissance. It is a survey course covering political, economic, social and technological developments and their effect on future generations. 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:** HIST 170

**CSU:** Cal-GETC 3B:Humanities, CSU GE Area D, CSU GE

**HIST 1A**

Area C2

**UC:** Cal-GETC 3B:Humanities, IGETC Area 4, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**HIST 1B****3 Unit****Survey of Western Civilization II: The Renaissance to the Present Day****Course Hours:** 54 hours lecture

This course provides an overview of the political, cultural and philosophical development of western civilization from the Renaissance to the present. It focuses on major historical personages, solutions for and alternatives to historical problems, and how history instructs and inspires future generations.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** HIST 180**CSU:** Cal-GETC 3B:Humanities, CSU GE Area D, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**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:** HIST 130**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D, CSU AI: US1**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**HIST 2B****3 Unit****Survey of US History II: From the End of Reconstruction to the 21st Century****Course Hours:** 54 hours lecture

This course covers the political, economic, and social development of the United States from the end of Reconstruction to the 21st century. The course will focus on the historical significance of major economic, technological and scientific developments as well as major political changes, ideologies, conflicts and events. A field trip may be assigned.

**Grading:** Audit, Normal, Pass/No Pass**HIST 2B****Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** HIST 140**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D, CSU AI: US1**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**HIST 4****3 Unit****The US in the 20th Century****Course Hours:** 54 hours lecture

Students will survey and assess the economic, political, and social problems faced by the United States in the twentieth century. In their studies, students will analyze the historic factors causing these challenges and hypothesize and draw inferences regarding future trends of the U.S. faces in the twenty-first century. A field trip may be required.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**HIST 5****3 Unit****History of California****Course Hours:** 54 hours lecture

Students survey the history of California from the Ice Age to the present. This includes investigations and analysis of prehistoric human settlement, historic Native Americans, Spanish and Mexican occupations, the 49ers, the founding of the state, its growth in the 20th century, and its current role as a political and economic giant. A field trip may be required.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**HIST 8A****3 Unit****Survey of World Civilizations I: From the Dawn of Humankind to the 1300s****Course Hours:** 54 hours lecture

This course surveys world history from the dawn of humankind to the end of the 1300s. Beginning with the earliest transitions of human societies to sedentary communities, this course investigates the original river-based civilizations of Mesopotamia, Egypt, India, and China; the evolution of early societies in Sub-Saharan Africa and the pre-Columbian Americas; major Eurasian states and empires of antiquity (Hellenic, Persian, Chinese, Indian, Roman); and

## **HIST 8A**

the transformations of the post-classical world, with emphasis on the impacts of the universalizing traditions of Christianity, Islam and Buddhism. Course is suitable for History majors as well as anyone interested in understanding the foundations of ancient civilizations, including those that still impact the world today.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** HIST 150

**CSU:** Cal-GETC 3B:Humanities, CSU GE Area D, CSU GE Area C2

**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

## **HIST 8B**

**3 Unit**

**Survey of World Civilizations from the 1500s to the Present**

**Course Hours:** 54 hours lecture

This course covers world history from the 1500s to the present. There is a comparative approach to the study of specific themes including political, social, and economic change, as well as religious and cultural development. The course will emphasize global trends and developments that have shaped human history, such as the Age of Exploration, the Protestant Reformation, the era of colonization, wars of independence, the world wars, the Cold War, and the development of Third World countries after World War II and the impact of Globalization.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** HIST 160

**CSU:** Cal-GETC 3B:Humanities, CSU GE Area D, CSU GE Area C2

**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

# **Humanities**

## **HUMA 1**

**3 Unit**

**Humanities through the Arts**

**Course Hours:** 54 hours lecture

This course is a survey of the central themes of the humanities through the arts. It is an introduction to the humanities through the study of the elements, interconnectedness, and historical significance of films, drama, music, literature, painting, sculpture, and architecture. Students will develop skills to understand, interpret, and critique the arts. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 3A:Arts, Cal-GETC 3B:Humanities, CSU GE Area C1, CSU GE Area C2

## **HUMA 1**

**UC:** Cal-GETC 3A:Arts, Cal-GETC 3B:Humanities, IGETC Area 3A, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **HUMA 2**

**3 Unit**

**Antiquity to Renaissance**

**Course Hours:** 54 hours lecture

This course is an interdisciplinary study of the movements in art, music, literature, and philosophy from Ancient Western Civilization to the 1500s 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:** Cal-GETC 3B:Humanities, CSU GE Area C2

**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

## **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:** Cal-GETC 3B:Humanities, CSU GE Area C2

**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **HUMA 4**

**3 Unit**

**Survey of Film**

**Course Hours:** 54 hours lecture

This course will focus on major films, including classics, from 1900s which will be viewed and discussed. Director's techniques, cinematography, filmic means, and grammar of film, philosophy, and literary value will be studied.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 3A:Arts, Cal-GETC 3B:Humanities, CSU GE Area C1, CSU GE Area C2

**UC:** Cal-GETC 3A:Arts, Cal-GETC 3B:Humanities, IGETC Area 3A, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio



**HUMA 4****Offered:** Fall, Spring**HUMA 5****Multi-Cultural Mythology****Course Hours:** 54 hours lecture**3 Unit**

An introductory survey course in comparative mythology. Students will read, discuss, and write about basic myths as they have appeared in different civilizations. Basic myths, such as those dealing with creation, earliest times, the flood, tales of love, tales of heroes, journeys to other worlds, and some examination of the concept of myth itself and its values in today's society will be explored. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer

# Industrial Maintenance Electrical and Instrumentation

**IMEI 80A****Alternating Current****Course Hours:** 27 hours lecture; 27 hours laboratory**2 Unit**

This course is designed to give the fundamental skills necessary to understand alternating current. Covered in this course are properties and calculations for AC waveforms, resistive, inductive, and capacitive AC circuits. Also covered are power triangle calculations, transformers, and series/parallel circuits. A variety of topics will be addressed, including electrical safety, the National Electrical Code, and electrical theory. This course will be appropriate for students who wish to pursue a career in the residential, commercial or industrial electrical field. Prerequisite: ELCT 70E.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**IMEI 80B****Electrical and Instrumentation Test Equipment****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory**1 Unit**

This course is designed to give the fundamental skills necessary to use electrical testing equipment. Covered in this course are test instruments, troubleshooting, meter polarity,

**IMEI 80B**

reading and converting scales, use of a frequency meter, and use of digital and analog meters. In this course, a student will learn to use a variety of test instruments and select the correct instrument for a given measurement. This course will be appropriate for students who wish to pursue a career in the residential, commercial or industrial electrical field. Prerequisite: IMEI 80A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**IMEI 80C****Flow, Pressure, Level and Temperature****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory**1 Unit**

This course is designed to give the fundamental skills necessary to understand various measurements used in the electrical field. Covered in this course are properties and calculations for flow, pressure, level, and temperature. The student will learn how these values are used and measured in instrumentation systems. This course will be appropriate for students who wish to pursue a career in the residential, commercial or industrial electrical field. Prerequisite: IMEI 80B.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**IMEI 80D****Process Quantitative Skills****Course Hours:** 27 hours lecture; 27 hours laboratory**2 Unit**

This course is designed to give the fundamental skills necessary to perform various mathematical operations used in the field. Covered in this course are basic mathematical operations necessary in instrumentation, pressure measurement, and factor conversion. This course will also cover conduit hand bending. A variety of bends will be addressed, including 90-degree, offsets, back-to-back, and saddle bends. This course will be appropriate for students who wish to pursue a career in the residential, commercial or industrial electrical field. Prerequisite: IMEI 80C.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring

**IMEI 80E****2 Unit****Process Tubing Installation and Testing****Course Hours:** 27 hours lecture; 27 hours laboratory

This course is designed to give the fundamental skills necessary to choose and install tubing for different applications. Covered in this course are properties and purposes of tubing including proper handling. A variety of topics will be addressed, including fittings, cutting, bending, flaring, proper tools, and safety procedures. This course will be appropriate for students who wish to pursue a career in the industrial maintenance mechanical field. Prerequisite: IMEI 80D.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**IMEI 80F****2 Unit****Introduction to Instrument Drawings and Documents****Course Hours:** 27 hours lecture; 27 hours laboratory

This course is designed to give the fundamental skills necessary to extract and use information found on drawings and documents commonly used in the field. Covered in this course are standard Instrument Society of America (ISA) instrument symbols and abbreviations, instrument indexes, general instrument specifications, general notes and details. A variety of topics will be addressed, including installation detail drawings, location drawings, and control loops. This course will be appropriate for students who wish to pursue a career in the industrial maintenance mechanical field. Prerequisite: IMEI 80E.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**IMEI 90A****0.5 Unit****Electrical and Instrumentation Hazardous Locations****Course Hours:** 9 hours lecture

This course is designed to give the student an understanding of hazardous locations commonly found in the field. Covered in this course are various classifications of hazardous locations, wiring methods permitted, use of seals and drains, wiring methods for Class I, Class II, and Class III hazardous locations. Also covered are the NEC requirements for installing explosion-proof fittings in specific hazardous locations. Prerequisite: IMEI 80F.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**IMEI 90A****UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:****IMEI 90B****1 Unit****Electrical Components and Drawings****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to provide students with a comprehensive understanding of electrical components and drawings commonly encountered in the field. The curriculum covers electronic system components of solid-state devices, including transistors, diodes, rectifiers, fuses, leads, integrated circuits, pin numbers, and logic gates. Students will also learn to interpret various types of electrical and instrumentation diagrams and drawings, such as wiring diagrams, ladder diagrams, one-line diagrams, motor controller diagrams, P & ID diagrams, loop diagrams, and raceway diagrams. By the end of the course, participants will be well-versed in the fundamental elements of electrical systems and technical drawings. Prerequisite: IMEI 90A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****IMEI 90C****1 Unit****Electrical and Instrumentation Motor Controls****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student an understanding of motor controls commonly found in the field. Covered in this course are contactors, relays, pilot devices, and motor control wiring. Prerequisite: IMEI 90B.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****IMEI 90D****2 Unit****Electrical and Instrumentation Distribution Systems and Transformer Applications****Course Hours:** 27 hours lecture; 27 hours laboratory

This course is designed to give the student an understanding of distribution equipment and transformer applications commonly found in the field. Covered in this course are overcurrent protection, fuses and circuit breakers, switchgear, visual and mechanical inspections, and ground fault relay systems. Also covered are three-phase transformers, specialty transformers, NEC requirements, and harmonic derating. Prerequisite: IMEI 90C.

**IMEI 90D****Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****IMEI 90E****2 Unit****Electrical and Instrumentation Conductor Selection and Calculations****Course Hours:** 27 hours lecture; 27 hours laboratory

This course is designed to give the student an understanding of conductor and calculations commonly found in the field. Covered in this course are the selection of electrical conductors for specific applications, calculation of voltage drops, NEC regulations, calculate and apply NEC tap rules. Also covered are conductor sizing, conductor derating, and selection of conductors for various temperature ranges and atmospheres. Prerequisite: IMEI 90D.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****IMEI 90F****2 Unit****Electrical and Instrumentation Temporary Grounding****Course Hours:** 27 hours lecture; 27 hours laboratory

This course is designed to give the student an understanding of temporary grounding practices commonly found in the field. Covered in this course are the purpose of temporary grounding, temporary grounding device requirements, and temporary grounding equipment. Also covered are the procedures for installation and removal of temporary grounding devices. Prerequisite: IMEI 90E.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****IMEI 90G****2 Unit****Layout and Installation of Tubing and Piping Systems****Course Hours:** 27 hours lecture; 27 hours laboratory

This course is designed to give the student an understanding of layout and installation of tubing & piping commonly found in the field. Covered in this course are scope of the layout, proper methods for routing piping or tubing, and the application of fitter's math. Also covered are the processes for cutting tubing & piping, accurately bend piping or tubing,

**IMEI 90G**

installation of various piping, fittings, and tubing support.

Prerequisite: IMEI 90F.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****IMEI 90H****2 Unit****Machine Bending of Conduit****Course Hours:** 27 hours lecture; 27 hours laboratory

This course is designed to give the student an understanding of machine bending of conduit commonly found in the field. Covered in this course are the process of conduit using power tools, parts of electric and hydraulic benders, offsets, kicks, saddles, segmented, and parallel bends. Also covered are the quantitative skills required to bend conduit. Prerequisite: IMEI 90G.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****IMEI 90I****1 Unit****Hydraulic and Pneumatic Controls****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student an understanding of hydraulic and pneumatic controls commonly found in the field. Covered in this course are hydraulic system safety, principles of hydraulics, hydraulic devices, symbols and functions, and hydraulic systems in a process application. Also covered are pneumatic system safety, physical characteristics of gases, compressing gases, pneumatic transmission of energy, principles of compression operation, types of compressors, compressed-air treatment, pneumatic system components and symbols. Prerequisite: IMEI 90H.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****IMEI 90J****1 Unit****Motor Operated Valves****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student an understanding of motor operated valves commonly found in the field.

**IMEI 901**

Covered in this course are safety regulations associated with motor operated valves (MOV's), operating principles of various types of MOV's, and applications of MOV's. Also covered are MOV set-up procedures and replacing limit switches. Prerequisite: IMEI 901.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

# Industrial Maintenance Mechanic Technology

**IMMT 100****0 Unit**

**Trades Technician**

**Course Hours:** 18 hours lecture; 99 hours laboratory

This noncredit course is designed to give the Trades Technician student the fundamental skills and knowledge required for entry-level employment. Covered in this course are Safety, Hand and Power tools, Print Reading, Electrical Basics, HVAC/R, Welding, Pipe fitting & Plumbing systems, and Basic Construction Principles and practices. This course will be appropriate for students who wish to pursue a career in the skilled Residential, Commercial and Industry trades.

**Grading:** Audit, Noncredit

**Repeatability:** Unlimited

**Credit:** Noncredit

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**IMMT 60****1 Unit**

**Fundamentals of Industrial Maintenance Mechanics**

**Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills necessary to increase success in the workforce. Covered in this course are orientation to the trade, tools of the trade, fasteners and anchors, and an introduction to test equipment.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**IMMT 62****1 Unit**

**Oxyfuel Cutting**

**Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills necessary to safely use Oxyfuel cutting equipment.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**IMMT 64****1 Unit**

**Craft-Related Quantitative Skills**

**Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental quantitative skills commonly used by industrial maintenance mechanics.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**IMMT 66****1 Unit**

**Construction Drawings**

**Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills to read commonly used blueprints by industrial maintenance mechanics.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**IMMT 68****1.5 Unit**

**Gaskets, Packing, Pumps, Drivers, Valves and Lubrication**

**Course Hours:** 22.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills in gasket selection, packing types, pumps, drivers, valves and lubrication used for industrial maintenance mechanics.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**IMMT 68****CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall**IMMT 69****1.5 Unit****Material Handling, Hand Rigging, Mobile and Support Equipment****Course Hours:** 22.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills in material handling, hand rigging, mobile and support equipment used for industrial maintenance mechanics.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall**IMMT 70****1 Unit****Basic Layout****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills necessary to perform basic layout on the jobsite. The skills covered in this course are tools used for layout, basic layout techniques, scribing, and using quantitative skills required in layout.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Spring**IMMT 71****1 Unit****Introduction to Piping****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills necessary to work with various types of piping on the jobsite. This course covers concepts in copper and plastic piping and introduction to ferrous metal piping practices.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Spring**IMMT 73****1 Unit****Identify, Install and Maintain Valves****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills necessary to work with various types of valves and perform basic hydrostatic and pneumatic testing on the jobsite.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Spring**IMMT 74****1 Unit****Introduction to Bearings****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills necessary to work with various types of bearings on the jobsite.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Spring**IMMT 75****2 Unit****Introduction to Steam Systems****Course Hours:** 27 hours lecture; 27 hours laboratory

This course is designed to give the student the fundamental skills necessary to work with various types of bearings on the jobsite.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Spring**IMMT 76****1 Unit****Distillation Towers and Vessels****Course Hours:** 13.5 hours lecture; 13.5 hours laboratory

This course is designed to give the student the fundamental skills necessary to work with various types of distillation towers and vessels found on the jobsite.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None

**IMMT 76****CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**IMMT 77****2 Unit****Heaters, Furnaces, Heat Exchanges, Cooling****Course Hours:** 27 hours lecture; 27 hours laboratory

This course is designed to give the student the fundamental skills necessary to work with various types of heaters, furnaces, heat exchangers, cooling towers and fin fans commonly found on the jobsite.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**Kinesiology****2 Unit****KINA 10A****Fitness and Wellness****Course Hours:** 108 hours laboratory

This course provides for the study of and practice in Fitness & Wellness techniques and principles. Physical fitness tests are administered before, during and after exercise programs to improve reserve capacity in endurance, muscular strength and joint mobility. Lectures and assignments focus on nutrition and diet, exercise, and modifications of lifestyle to enhance the quality of life and reduce health risks.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**KINA 150****0 Unit****Fitness and Wellness Lab****Course Hours:** 54-108 hours laboratory

This noncredit 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, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**KINA 150****Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**KINA 16A****0.5-1 Unit****Beginning Volleyball****Course Hours:** 27-54 hours laboratory

This course focus will be on the fundamentals, team play, rules and strategy, of the game of volleyball.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**KINA 17A****0.5-1 Unit****Beginning Basketball****Course Hours:** 27-54 hours laboratory

This course teaches the fundamentals of shooting, passing, dribbling, pivoting, rebounding and tipping. Basic play patterns, defenses, team play and rules interpretation are included.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**KINA 18A****0.5-1 Unit****Beginning Softball****Course Hours:** 27-54 hours laboratory

This course teaches the fundamentals of offensive strategies (hitting, bunting, base running); defensive strategies (positioning, fielding groundballs, fielding fly balls, throwing, receiving); pitching strategies (technique/mechanics, assortment of pitches).

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**KINA 21A****0.5-1 Unit****Beginning Tennis****Course Hours:** 27-54 hours laboratory

This course teaches the theory and practice in grips, basic

**KINA 21A**

strokes, basic positions, scoring formulas, rules and regulations and terminology.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

**KINA 22A****0.5-1 Unit****Beginning Badminton**

**Course Hours:** 27-54 hours laboratory

This course is an activity course in which students will develop the basic skills necessary to play the game of badminton. Technical skills include the overhead and underhand clears, the short & low serve, drop shots and the smash. Emphasis will be placed on the fundamental strategies and rules used in both singles and doubles play.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

**KINA 23A****0.5-1 Unit****Beginning Golf**

**Course Hours:** 27-54 hours laboratory

This course has an emphasis on learning the fundamental aspects of golf. There will be instruction in all areas of basic golf, including: rules, etiquette, and swing mechanics. Use of all golf clubs including woods, fairway metals, long irons, and short irons. Emphasis on the "short game" including chipping and putting. Class will be held at an off-campus golf facility.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

**KINA 24A****0.5-1 Unit****Beginning Pickleball**

**Course Hours:** 27-54 hours laboratory

This course is designed for students to learn the theory and principles of pickleball in regards to rules, etiquette, skills, strategy, and history. This class will prepare students to participate in pickleball as a recreational and lifetime activity.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**KINA 24A**

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

**KINA 2A****1 Unit****General Activity**

**Course Hours:** 54 hours laboratory

This course is intended primarily for on-line students interested in furthering physical and mental wellbeing through meaningful experiences in physical activities. In the course, students will choose approved activities and maintain a weekly log of these activities that will fulfill the required number of hours to pass the course. The activities will be monitored by the instructor using off-site monitor, software, student interaction, or other appropriate evaluation of activity.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

**KINA 30A****0.5-1 Unit****Beginning Self-Defense and Karate**

**Course Hours:** 27-54 hours laboratory

This course teaches the basic skills needed for the art of unarmed self-defense. Includes the use of blocking, shifting, punching, striking and kicking. Develops coordination, builds self-confidence, improves reflexes and increases stamina. A physical art form that is beneficial to all types of people, regardless of age.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

**KINA 31A****0.5-1 Unit****Beginning Cardio Kickboxing**

**Course Hours:** 27-54 hours laboratory

This course includes a non-contact, aerobic and anaerobic conditioning workout, which consists of kickboxing and martial arts moves. Designed to help improve each participant's strength and cardiovascular fitness level. A rested interval-training program emphasizing safe and effective body movement, flexibility, and improvement in strength.

**Grading:** Audit, Normal, Pass/No Pass

**KINA 31A****Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****KINA 3A****0.5-1 Unit****Circuit Weight Training-Machines Only****Course Hours:** 27-54 hours laboratory

Circuit weight training provides the student an opportunity to improve in cardiovascular endurance and muscular strength. Training is intended to improve cardiovascular and skeletal muscle function in a controlled workout setting.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****KINA 4A****0.5-1 Unit****Basic Weight Training and Conditioning****Course Hours:** 18-54 hours laboratory

Instruction on the basics of weight training and aerobic conditioning. Recommended for students interested in muscle toning, weight redistribution, physical rehabilitation, and aerobic conditioning. Individual workout programs developed at the basic level under supervision of the instructor.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****KINA 5A****0.5-1 Unit****Cardiovascular Lab****Course Hours:** 18-54 hours laboratory

This course is designed to focus on performing vigorous aerobic exercise in cardiovascular training (Treadmills, Stairmasters, Stationary Bikes, Ellipticals, Track, etc.). Individual workout programs will be developed based on required assessment tests and will be monitored through daily recording of workouts and weekly self-testing.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully**KINA 5A****In-Person), Online - Asynchronous, Interactive Video/Audio****Offered:****KINA 6A****0.5-1 Unit****Fitness - Walking, Jogging, Running****Course Hours:** 27-54 hours laboratory

This course offers cardiovascular training through aerobic walking, jogging, running. Start at your current level of fitness and add resistance in terms of speed, duration and varied terrain.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**KINA 7A****1 Unit****Tai Ji Quan****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:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****KINA 8A****1 Unit****Breathing, Meditation, Relaxation****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:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:**



**KINA 9A****Fitness and Wellness****Course Hours:** 54 hours laboratory

This course provides for the study of and practice in Fitness & Wellness techniques and principles. Physical fitness tests are administered before, during and after exercise programs to improve reserve capacity in endurance, muscular strength and joint mobility. Lectures and assignments focus on nutrition and diet, exercise, and modifications of lifestyle to enhance the quality of life and reduce health risks.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**1 Unit****KINL 1****Introduction to Kinesiology****Course Hours:** 54 hours lecture

An introduction to the philosophies and purposes of Kinesiology. Examines the qualifications for various professional opportunities within the field of Kinesiology.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** KIN 100**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**3 Unit****KINL 2****Movement Anatomy****Course Hours:** 54 hours lecture

This course will cover the musculoskeletal system and its function in producing human movement from a functional perspective, as well as the relationship between selected elements of myology and osteology as they relate to human motion.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Traditional (Fully In-Person), Online - Asynchronous**Offered:****3 Unit****KINL 23****First Aid and Safety****Course Hours:** 54 hours lecture

This course will introduce students to the techniques and the principles involved in rendering prompt and necessary emergency care to the injured or ill. Instruction will cover

**3 Unit****KINL 23**

material for breathing and cardiac material for breathing and cardiac emergencies, sudden illnesses, soft tissue injuries, environmental incidents, musculoskeletal injuries, and other special circumstances. Students will practice the skills and procedures for cardiopulmonary resuscitation (CPR), rescue breathing, and the proper use of an Automatic External Defibrillator (AED). With the successful completion of this course students will have the opportunity to become certified in the Standard First Aid and Personal Safety and Cardiopulmonary Resuscitation (CPR) Certificates granted by the American Red Cross.

**Fees:** Instructional Materials \$70.00**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** KIN 101**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**KINL 3****Principles of Movement****Course Hours:** 54 hours lecture

This course will cover the biomechanical principles of movement and their application to sport and human movement. In addition, mechanical principles will be examined as they apply to gross motor movements and the analysis of selected motor skills.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Traditional (Fully In-Person), Online - Asynchronous**Offered:****3 Unit****KINL 4****Physical Fitness and Wellness****Course Hours:** 54 hours lecture

This course will examine lifetime fitness and wellness through lecture, discussion, lifestyle assessment and health risk management. Lifestyle components are cardiovascular fitness, nutrition, and stress management. Health factors above and beyond cardiovascular fitness, nutrition, stress and other health-related issues (e.g., drug abuse, behavior modification, cardiovascular disease) are studied.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Traditional (Fully In-Person), Online - Asynchronous**Offered:****3 Unit**

**KINL 5****Principles of Athletic Training****Course Hours:** 54 hours lecture**3 Unit**

This course provides an introduction to the principles of athletic training. Students will learn theories and methods in the prevention, assessment, treatment, and rehabilitation of sports injuries. The application of wrapping, taping, and treatment protocols is taught. This course can prepare students who are interested in pursuing a career in athletic training, athletic coaching, physical education teaching, and physical therapy.

**Fees:** Instructional Materials \$75.00**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Traditional (Fully In-Person), Online - Asynchronous**Offered:** Fall Even**KINL 6****Foundations of Sport Psychology****Course Hours:** 54 hours lecture**3 Unit**

This course is an introduction to sport psychology as well as an overview of sport psychology factors such as motivation, communication, imagery, management of psychic energy, stress management, relaxation, goal setting, and the implementation of psychological skills testing (PST).

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Traditional (Fully In-Person), Online - Asynchronous**Offered:** Fall

# Management

**MGMT 1****Introduction to Management****Course Hours:** 54 hours lecture**3 Unit**

The Introduction to Management course represents a synthesis of management theory and application. The course encompasses theory and practice, including the role that management functions of planning, organizing, leading, and controlling play in the contemporary organization. It is a practical approach to issues such as sustainability, ethics, and social media. Management concepts in the course are emphasized via discussions, standard pedagogical tools, lively and current topics, and by highlighting organizational behavior. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**MGMT 1**

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall

**MGMT 3****Human Resource Management****Course Hours:** 54 hours lecture**3 Unit**

This course examines the role of the human resource professional as a strategic partner in managing today's organizations. Key functions such as recruitment, selection, development, appraisal, retention, compensation, and labor relations are examined. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**MGMT 5****Organization and Management****Course Hours:** 54 hours lecture**3 Unit**

In this course you will attain an understanding of the key factors that contribute to organizational success and the role that leader/managers plays in helping their organizations become more successful at reaching goals. Gaining a clear understanding of the impact of human resource issues allows students to become more effective when mapping their future career. Specifically, this course explores how human resource professionals develop winning strategies that support legal and ethical issues that impact the organization's social relationships, tasks, human resource practices in an increasingly diverse and global workforce environment. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**MGMT 7****Small Business Management****Course Hours:** 54 hours lecture**3 Unit**

This course is an introduction to business management techniques used by small businesses in the free enterprise system. This course focuses on the issues that concern a small business owner's process when developing product ideas, evaluating the market, planning the start-up and problems, structuring the organization, obtaining financing, purchasing inventory, finding a location, hiring personnel, as well as business laws, taxes, permits, and insurance. Students may be required to prepare of a simple business plan project at the end of the course. Recommended

**MGMT 7**

Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring

# Mathematics

**MATH 1****Trigonometry****Course Hours:** 72 hours lecture**4 Unit**

This course offers a study of trigonometric functions and equations. Fundamental properties of functions, their graphs, and their inverses of trigonometric functions is covered. Solving triangles using the Law of Cosines and the Law of Sines. Verification of trigonometric identities, inverse trigonometric functions, half and multiple angles, vectors and their applications, parametric equations, polar coordinates and polar equations.

**Grading:** Audit, Normal**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** CSU GE Area B4**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**MATH 10****Introduction to Linear Algebra****Course Hours:** 54 hours lecture**3 Unit**

This course covers and develops the techniques needed to solve systems of linear equations, matrix operations, determinants, vectors, and vector spaces, eigenvalues and eigenvectors, linear transformations, orthogonality, inner product spaces, and numerical methods. Prerequisite: Completion of MATH 4A. Recommended Preparation: Two semesters of calculus for science, math, and engineering.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 2:Math&QuantReason, CSU GE Area B4**UC:** Cal-GETC 2:Math&QuantReason, IGETC Area 2**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**MATH 193****Bridge to College Success - Math 3****Course Hours:** 18-54 hours lecture**0 Unit**

This course is a noncredit support class for those students who are currently taking Math 3. This will also provide

**MATH 193**

opportunity to review prerequisite math skills that are required for the course. In addition, students will be exposed to using different techniques in time management and study skills.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Support course - Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**MATH 3****College Algebra****Course Hours:** 72 hours lecture**4 Unit**

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:** Cal-GETC 2:Math&QuantReason, CSU GE Area B4**UC:** Cal-GETC 2:Math&QuantReason, IGETC Area 2**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**MATH 4A****Calculus I****Course Hours:** 72 hours lecture**4 Unit**

This course offers an introduction to the calculus of single variables. Topics covered include limits, using limits of functions to determine continuity, finding derivatives and integrals of functions, basic properties of derivatives and integrals, the relationship between derivatives and integrals as given by the Fundamental Theorem of Calculus, and application. Prerequisite: MATH 1 and MATH 3.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** MATH 210**CSU:** Cal-GETC 2:Math&QuantReason, CSU GE Area B4**UC:** Cal-GETC 2:Math&QuantReason, IGETC Area 2**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring

**MATH 4B****Calculus II****Course Hours:** 72 hours lecture

This is the second course of calculus in differential and integral of a single variable. Topics covered include integration and its techniques of integration. Series and sequences including both finite and infinite sequences and series are covered. Topics also include both polar and parametric equations, and applications of integration. This course is primarily for Science, Technology, Engineering, and Math Majors. Prerequisite: MATH 4A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** MATH 220**CSU:** Cal-GETC 2:Math&QuantReason, CSU GE Area B4**UC:** Cal-GETC 2:Math&QuantReason, IGETC Area 2**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**4 Unit****MATH 4C****Calculus III****Course Hours:** 72 hours lecture

This course is the continuation of a second course of calculus in differentiation and integration. Emphasis of the course is calculus in three dimensions. Topics covered include vector analysis, vector fields, multiple integrals, partial derivatives, solid analytic geometry, parametric curves and surfaces, line integrals, surface integrals, Green's Theorem, Stokes and Gauss Theorem. This course is primary for Science, Technology, Engineering, and Math Majors. Prerequisite: MATH 4B.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** MATH 230**CSU:** Cal-GETC 2:Math&QuantReason, CSU GE Area B4**UC:** Cal-GETC 2:Math&QuantReason, IGETC Area 2**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**4 Unit****MATH 4D****Business Calculus****Course Hours:** 72 hours lecture

This course offers an introduction to the calculus of single variables with an emphasis in Business and Management. Topics covered include limits and intuitive limit definition of derivative, finding derivatives and integrals of functions, basic properties of derivatives and integrals. Applications of differentiation such as marginal analysis, optimization, and curve sketching and integration in business and economics. Prerequisite: MATH 55. Recommended Preparation: MATH 1 and MATH 3.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 2:Math&QuantReason, CSU GE Area B4**UC:** Cal-GETC 2:Math&QuantReason, IGETC Area 2**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully**4 Unit****MATH 4D**

In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:****MATH 5****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).

**3 Unit****Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 2:Math&QuantReason, CSU GE Area B4**UC:** Cal-GETC 2:Math&QuantReason, IGETC Area 2**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**MATH 6****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.

**3 Unit****Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** MATH 120**CSU:** CSU GE Area B4**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall Even**MATH 7****Contemporary Mathematics for Technical Fields****Course Hours:** 54 hours lecture

This course is designed to equip Career Technical Education students to acquire the college level mathematical competencies required in today's workplace. Topics include college level algebra, measurement units and conversion, estimation, solid figures, geometry, trigonometry, basic statistics and probability. Quantitative reasoning applications and modeling. Use of technology for visualization and

**3 Unit**

## **MATH 7**

problem solving.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** CSU GE Area B4

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **MATH 9**

**3 Unit**

### **Ordinary Differential Equation**

**Course Hours:** 54 hours lecture

This course is an introduction to ordinary differential equations. Topics include first order equations, linear equations, reduction of order, a variation of parameters, spring motion and other applications, Cauchy-Euler equations, power series solutions, Laplace transforms, and systems of linear differential equations. Recommended Preparation: Three semesters of calculus for science, math, and engineering. Prerequisite: MATH 4B.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** MATH 240

**CSU:** Cal-GETC 2:Math&QuantReason, CSU GE Area B4

**UC:** Cal-GETC 2:Math&QuantReason, IGETC Area 2

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring Odd

## **STAT C1000**

**4 Unit**

### **Introduction to Statistics (Formerly offered as MATH 2)**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. Prerequisite: Placement as determined by AB 705 mandates.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 2:Math&QuantReason, CSU GE Area B4

**UC:** Cal-GETC 2:Math&QuantReason, IGETC Area 2

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

# **Music**

## **MUSI 12A**

**2 Unit**

### **Beginning Piano I**

**Course Hours:** 18 hours lecture; 54 hours laboratory

Class instruction in basic keyboard techniques and theory, including scales, chords, selected solos and studies. This includes, but is not limited to, skills in reading music, familiarization with the keyboard, hand and finger control, basic chord progressions and scales. Recommended that students have a keyboard available to them for regular practice.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Odd

## **MUSI 12B**

**1 Unit**

### **Beginning Piano II**

**Course Hours:** 54 hours laboratory

Class instruction in basic to intermediate keyboard techniques and theory, including scales, chords, selected solos and studies. This includes, but is not limited to, skills in reading music, familiarization with the keyboard, hand and finger control, basic chord progressions, major scales and melody harmonization. Recommended that students have a keyboard available to them for regular practice. Prerequisite: MUSI 12A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall Odd

## **MUSI 12C**

**1 Unit**

### **Intermediate Piano**

**Course Hours:** 54 hours laboratory

Class instruction in intermediate keyboard techniques and theory, including scales, chords, selected solos and studies. This includes, but is not limited to, skills in reading music, familiarization with the keyboard, hand, finger and pedal control, chord progressions, scales, transpositions and historical stylistic markings. Recommended that students have a keyboard available for regular practice. Prerequisite: MUSI 12B.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully

**MUSI 12C**

In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall Odd

**MUSI 2****3 Unit****Music Appreciation (Classical)****Course Hours:** 54 hours lecture

A survey of art music in western civilization. Topics studied include, but are not limited to, elements of music, basic musical forms, music periods, styles, and the role of music and musicians in the western world.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** MUS 100**CSU:** Cal-GETC 3A:Arts, CSU GE Area C1**UC:** Cal-GETC 3A:Arts, IGETC Area 3A**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****MUSI 3****3 Unit****Music Appreciation (American Music)****Course Hours:** 54 hours lecture

The survey of American music from the American Revolution to the present. It will cover presentation, history, and analysis of traditional, country, blues, rock, jazz, musical theatre, classical, and commercial popular music. It will include examination of historical and sociological influences on the music.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 3A:Arts, CSU GE Area C1**UC:** Cal-GETC 3A:Arts, IGETC Area 3A**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**MUSI 4A****1 Unit****Beginning College Choir****Course Hours:** 54 hours laboratory

This is an introduction to choir singing from a variety of genres, styles, and historical eras. No experience or sight-reading skills are necessary. There is no audition required and this class is open to all. Focus will be placed on proper vocal production and functioning as a musical ensemble. There will be one required performance at the end of the semester.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**MUSI 4B****1 Unit****Intermediate College Choir****Course Hours:** 54 hours laboratory

This is an introduction to choir singing from a variety of genres, styles, and historical eras. No experience or sight-reading skills are necessary. There is no audition required and this class is open to all. Focus will be placed on proper vocal production and functioning as a musical ensemble. There will be one required performance at the end of the semester. Prerequisite: MUSI 4A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**MUSI 4C****1 Unit****Advanced College Choir I****Course Hours:** 54 hours laboratory

This course is an advanced level of choir singing from a variety of genres, styles, and historical eras. There is no audition required and this class is open to those who have taken MUSI 4B. Focus will be placed on proper vocal production, basic musicianship, style, and functioning as a musical ensemble. There will be one required performance at the end of the semester. Prerequisite: MUSI 4B.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**MUSI 4D****1 Unit****Advanced College Choir II****Course Hours:** 54 hours laboratory

This course is a more advanced level of choir singing from a variety of genres, styles, and historical eras. There is no audition required and this class is open to those who have taken MUSI 4C. Focus will be placed on proper vocal production, basic musicianship, style, interpretation and phrasing, and functioning as a musical ensemble. There will be one required performance at the end of the semester. Prerequisite: MUSI 4C.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring

**MUSI 5A****Beginning Concert Band****Course Hours:** 54 hours laboratory

Introduction to study and performance of collegiate band literature from early classics to contemporary works. Basic instrumental and aural skills will be developed through the study of assigned sheet music. Recommended Preparation: Previous band experience.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**1 Unit****MUSI 5D**

the MUSI 5 series, students will have the opportunity to showcase their musical skills learned throughout the series by performing virtuosic solos in the semester's concert program. Students will learn how to be successful soloists, building upon the previous skills acquired in the MUSI 5 prerequisites, which prepares them to be well rounded musicians and performers. Prerequisite: MUSI 5C.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**MUSI 5B****Intermediate Concert Band****Course Hours:** 54 hours laboratory

Intermediate study and performance of collegiate band literature from early classics to contemporary works. Intermediate instrumental and aural skills will be developed through the study of assigned sheet music. Prerequisite: MUSI 5A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**1 Unit****MUSI 6A****Beginning Symphonic Band****Course Hours:** 54 hours laboratory

Introduction to the study and performance of symphonic band literature from renaissance to modern era works. Basic instrumental and aural skills, as well as music history and performance practice will be developed through the study of assigned sheet music. Recommended Preparation: Previous band experience.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring Even**1 Unit****MUSI 5C****Advanced Concert Band****Course Hours:** 54 hours laboratory

Advanced study and performance of collegiate band literature from early classics to contemporary works. Advanced instrumental and aural skills will be developed through the study of assigned sheet music. Prerequisite: MUSI 5B.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**1 Unit****MUSI 6B****Intermediate Symphonic Band****Course Hours:** 54 hours laboratory

Intermediate study and performance of symphonic band literature from renaissance to modern era works. Intermediate instrumental and aural skills, as well as music history and performance practice, will be developed through the study of assigned sheet music. Prerequisite: MUSI 6A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring Even**1 Unit****MUSI 5D****Advanced Concert Band II****Course Hours:** 54 hours laboratory

This course involves an increasingly advanced level of study and performance of collegiate band literature from early classics to contemporary works, with an emphasis on performance of featured soloist music. As the final course in

**1 Unit****MUSI 6C****Advanced Symphonic Band****Course Hours:** 54 hours laboratory

Advanced study and performance of symphonic band literature from renaissance to modern era works. Advanced instrumental and aural skills, as well as music history and

**1 Unit**

**MUSI 6C**

performance practice, will be developed through the study of assigned sheet music. Prerequisite: MUSI 6B.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring Even

**MUSI 7A****1 Unit****Beginning Jazz Ensemble**

**Course Hours:** 54 hours laboratory

Rehearsal and performance of standard jazz band literature, including original and published arrangements for dance bands, radio, television, and motion picture orchestras. Introduction to collegiate level jazz music and development of basic jazz skills. Recommended Preparation: Previous band experience.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**MUSI 7B****1 Unit****Intermediate Jazz Ensemble**

**Course Hours:** 54 hours laboratory

Rehearsal and performance of standard jazz band literature, including original and published arrangements for dance bands, radio, television, and motion picture orchestras at an intermediate level. Practice of collegiate level jazz music and development of intermediate jazz skills, including improvisation. Prerequisite: MUSI 7.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**MUSI 7C****1 Unit****Advanced Jazz Ensemble**

**Course Hours:** 54 hours laboratory

Rehearsal and performance of standard jazz band literature, including original and published arrangements for dance bands, radio, television, and motion picture orchestras at an advanced level. Practice of collegiate level jazz music and development of advanced jazz skills, including improvisation and soloing. Prerequisite: MUSI 7B.

**MUSI 7C**

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**MUSI 7D****1 Unit****Masters Jazz Ensemble**

**Course Hours:** 54 hours laboratory

Rehearsal and performance of standard jazz band literature, including original and published arrangements for dance bands, radio, television, and motion picture orchestras at a master level. Practice of collegiate level jazz music and development of virtuosic jazz skills, including improvisation, soloing and featured songs. Prerequisite: MUSI 7C.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**MUSI 8A****1 Unit****Beginning Chamber Singers**

**Course Hours:** 54 hours laboratory

This course is an introduction to the performance of choral music from various periods and styles of the choral repertoire by a select group of singers. Emphasis includes part-singing, breath control, and choral balance. Admission to the class is with the consent of the instructor based on an audition (students must contact instructor for an audition appointment). There will be a required performance at the end of the semester.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

**MUSI 8B****1 Unit****Intermediate Chamber Singers**

**Course Hours:** 54 hours laboratory

This course is an intermediate level to the performance of choral music from various periods and styles of the choral repertoire by a select group of singers. Emphasis includes part-singing, breath control, vocal development, intonation, and choral balance. Admission to the class is with the consent of the instructor based on an audition (students must contact instructor for an audition appointment). There will be a required performance at the end of the semester.



## **MUSI 8B**

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

## **MUSI 8C**

**1 Unit**

**Advanced Chamber Singers I**

**Course Hours:** 54 hours laboratory

This course is an advanced level to the performance of choral music from various periods and styles of the choral repertoire by a select group of singers. Emphasis includes part-singing, breath control, vocal development, intonation, blend, and choral balance. Admission to the class is with the consent of the instructor based on an audition (students must contact instructor for an audition appointment). There will be a required performance at the end of the semester.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

## **MUSI 8D**

**1 Unit**

**Advanced Chamber Singers II**

**Course Hours:** 54 hours laboratory

This course is an advanced level to the performance of choral music from various periods and styles of the choral repertoire by a select group of singers. Emphasis includes part-singing, breath control, vocal development, intonation, blend, tone coloring, and choral balance. Admission to the class is with the consent of the instructor based on an audition (students must contact instructor for an audition appointment). There will be a required performance at the end of the semester.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

# **Oceanography**

## **OCEA 1**

**3 Unit**

**Introduction to the Marine Environment**

**Course Hours:** 54 hours lecture

This introductory course explores the major physical features of the world's oceans. Course topics include the formation and history of the ocean basins, ocean-atmosphere interactions, ocean circulation, and the dynamics of waves, tides, and coastlines. This course also reviews ocean chemical and sedimentation cycles as well as the general distribution of marine life. The ocean as a resource for people and human impact on the marine environment will also be considered. Class will include an instructional field trip.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Cal-GETC 5A:Physical Sci, CSU GE Area B1, CSU GE Area B2

**UC:** Cal-GETC 5A:Physical Sci, IGETC Area 5A-Phys Sci

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

# **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:** Cal-GETC 3B:Humanities, CSU GE Area C2

**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **PHIL 10**

**3 Unit**

**Philosophy of Cultural Diversity**

**Course Hours:** 54 hours lecture

This course is designed to create understanding, appreciation, and tolerance of diverse cultures, particularly those of non-Western civilizations which are ethnic minority groups in American culture. Topics covered will include the nature of culture, the epistemology of cultural diversity, world news, religion, traditional values, ethnocentrism, cultural relativism, cultural pluralism, and the philosophy of liberation. Recommended Preparation: ENGL 1A

**PHIL 10****Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****PHIL 1C****Critical Thinking****3 Unit****Course Hours:** 54 hours lecture

This course focuses on the study and development of critical reasoning and effective argumentation in the context of philosophy. Emphasis is placed on the application of philosophical critical thinking skills to clear, well - argued position papers and to the linguistic and logical analysis of the writings of others. Topics include introductions to inductive and deductive logic - including fallacies, cogency, validity, soundness. Prerequisite: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ENGL 105**CSU:** Cal-GETC 1B:CriticalThnk&Comp, CSU GE Area A3**UC:** Cal-GETC 1B:CriticalThnk&Comp, IGETC Area 1B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**PHIL 3****Logic****3 Unit****Course Hours:** 54 hours lecture

This course is an introduction to the principles of sound reasoning with emphases on propositional logic, deduction, induction, language, and fallacies. Students will also learn how to practically apply the concepts of sound reasoning and critical thinking. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** PHIL 110**CSU:** CSU GE Area A3**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**PHIL 4****Ethics****3 Unit****Course Hours:** 54 hours lecture

This course is an examination of classical ethical theories and their associated figures, including deontology, utilitarianism, and virtue ethics. Students will apply these theories to modern ethical problems, such as artificial intelligence, while comparing the competing systems and theories. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**PHIL 4****Credit:** Degree Applicable**C-ID:** PHIL 120**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**PHIL 5****World Religions****3 Unit****Course Hours:** 54 hours lecture

An introduction to the major world religions: Hinduism, Buddhism, Judaism, Christianity, Islam, Confucianism, Taoism, and Shintoism. A critical study of the fundamental religious beliefs of each religion and an examination of their philosophical presuppositions. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**PHIL 6****Introduction to the Bible****3 Unit****Course Hours:** 54 hours lecture

A preparation for informed study of the Bible as an introduction to biblical studies. Contemporary interpretive stances, history, methods, and major themes will be examined. Significant portions of the Bible will be studied in the process. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**PHIL 7****Ancient and Medieval Philosophy****3 Unit****Course Hours:** 54 hours lecture

This course offers a chronological examination of Western philosophical thought developed between 600 B.C.E. and 1300 C.E., including the principle ancient and medieval philosophies of this time period. Topics include Greek and Roman thought, and the rise and development of Christianity. Recommended Preparation: ENGL 1A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** PHIL 130**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B

**PHIL 7**

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall

**PHIL 8****Modern Philosophy****3 Unit****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:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**PHIL 9****Philosophy of Religion****3 Unit****Course Hours:** 54 hours lecture

This course will examine philosophical theories of the nature of religion, arguments for the existence of God, the nature of miracles, religious experience, faith and pragmatic reasons for belief, arguments from evil, God and morality, religious diversity, God and language, atheism and agnosticism, and life after death. The course will examine traditional and contemporary theories of philosophy of religion while students are also engaged in understanding the fundamentals of philosophy. Recommended Preparation: ENGL 1A

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 3B:Humanities, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:**

# Photography

**PHOT 1C****Introduction to Digital Photography****4 Unit****Course Hours:** 36 hours lecture; 108 hours laboratory

Introduction to the world of photography through the lens of the digital camera. Students will learn the basic operations of the digital camera, exposure metering, shutter speed, aperture, white balance, ISO, and on camera flash. With the use of different imaging software the student will learn to produce quality photographs. Students are required to provide their own digital camera.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**PHOT 1C****Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Fall, Spring**PHOT 2C****Digital Photography****4 Unit****Course Hours:** 36 hours lecture; 108 hours laboratory

Continuation in investigation of the digital camera. See the world through the lens of the digital camera. By controls of the exposure, Shutter, Aperture, ISO, framing and white balance. Through the different imaging controls on the Digital camera. To produce professional quality photographs using digital imaging software. Students are required to provide their own digital camera. Prerequisite: PHOT 1C.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Fall, Spring**PHOT 3C****Studio and Outdoor Lighting in Digital Photography****4 Unit****Course Hours:** 36 hours lecture; 108 hours laboratory

This course is designed to investigate and implement setting up a studio set for indoor/outdoor environments with appropriate use of light meters, reflectors, light modifiers and studio strobe lighting equipment. In addition, manipulating the digital cameras shutter speed and aperture for correct exposures. Students are required to provide their own digital camera. Prerequisite: PHOT 2C.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**PHOT 4C****Advanced Digital Photography****4 Unit****Course Hours:** 36 hours lecture; 108 hours laboratory

Effective implementation and understanding to retouch and restore photographs. Creating a portfolio which includes preparation of photographs for display and presentation, photographing under different types of natural and artificial lighting conditions and varying camera settings. Prerequisite: PHOT 3C.

## **PHOT 4C**

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **PHOT 9**

**3 Unit**

**Introduction to Adobe Photoshop**

**Course Hours:** 36 hours lecture; 54 hours laboratory

This course is designed to introduce the student into the world of digital imaging and computer graphics. The student will learn photo editing, text overlays, multi-layer imaging, graphic design and layouts. Adobe PhotoShop will develop hands on skills to produce professional quality photographs and presentations for private and business applications.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Summer

# **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 121

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

# **Physics**

## **PHYS 2A**

**4 Unit**

**General Physics I: Mechanics of Solids and Fluids**

**Course Hours:** 54 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:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **PHYS 2B**

**4 Unit**

**General Physics II: Electricity and Magnetism**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course is the second course of a calculus-based sequence for majors in biology, chemistry, computer science, kinesiology, mathematics, engineering, astronomy and certain other fields. This course covers electrostatics, Coulomb's Law, Gauss' Law, capacitors and dielectrics, DC circuits, Ohm's Law, magnetism, and electromagnetism, Ampere's Law, Faraday's Law, alternating current theory, electrical oscillators, electromagnetic radiation and electromagnetic waves. Physics 2B is an advanced lower division course, designed for science majors who have the ability to think and work problems at the calculus and elementary differential equations level. Prerequisites: PHYS 2A and MATH 4A. Corequisite: MATH 4B. Recommended Prep: Enrollment in MATH 4C.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** PHYS 210

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **PHYS 2C**

**4 Unit**

**General Physics III: Optics, Waves and Modern Physics**

**Course Hours:** 54 hours lecture; 54 hours laboratory

This course is the third course of a calculus-based sequence for majors in biology, chemistry, computer science, kinesiology, mathematics, engineering, astronomy and certain other fields. This course covers topics in the areas of

## **PHYS 2C**

optics, waves, and modern physics. Prerequisite: PHYS 2A. Corequisite: MATH 4A and 4B. Recommended Preparation: Enrollment in MATH 4C.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** PHYS 215

**CSU:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, CSU GE Area B1, CSU GE Area B3

**UC:** Cal-GETC 5A:Physical Sci, Cal-GETC 5C:Laboratory, IGETC Area 5A-Phys Sci, IGETC Area 5C-Science Lab

**Modality:** Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

# Political Science

## **POLI 2**

3 Unit

**Comparative Government**

**Course Hours:** 54 hours lecture

This course covers fundamental political principles, structure, political parties, and public policies of major foreign governments. This course includes a comparison of Western democracies and past and present totalitarian systems.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** POLS 130

**CSU:** CSU GE Area D

**UC:** IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **POLI 3**

3 Unit

**Introduction to International Relations**

**Course Hours:** 54 hours lecture

This course is an introduction to international relations theory with an examination of national, international, transnational, and sub-national actors and their institutions, interactions and processes as they relate to global issues. This course focuses on the nature of political relations among nations, including the basic factors which influence international relations, with additional emphasis placed on an examination of contemporary world politics.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** POLS 140

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

## **POLS C1000**

3 Unit

**American Government and Politics (Formerly offered as POLI 1)**

**Course Hours:** 54 hours lecture

## **POLS C1000**

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** POLS 110

**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D, CSU GE Area A1

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

# Psychology

## **PSYC 11**

3 Unit

**Human Sexuality**

**Course Hours:** 54 hours lecture

Human sexuality content includes anatomy, physiology and behavior as related to sexual reproduction, including fertilization, pregnancy, child birth and birth control. Consideration will also be given to genetics, homosexuality, sexually transmitted infections, love and attachment, and sexual intercourse and response.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** PSY 130

**CSU:** CSU GE Area E

**UC:** IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring, Summer

## **PSYC 12**

3 Unit

**Research Methods in Psychology**

**Course Hours:** 54 hours lecture

This course surveys various research methods used in psychology 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 examined through peer-reviewed scholarly journal articles in a variety of fields of psychology. Prerequisite: PSYC 1 and MATH 2.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** PSY 200

**CSU:** CSU GE Area D

**UC:** IGETC Area 4

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**PSYC 14****Introduction to Drug and Alcohol Studies****Course Hours:** 54 hours lecture**3 Unit**

This course surveys the historical perspective of drug and alcohol abuse, as well as addiction's impact on the individual, the family, community, and society. The course covers terminology used in the study of drugs, addiction and alcoholism; and explore myths, images and stereotypes of substance abuse and substance users. Students will explore causes and effects of substance abuse and addiction. Students will also analyze the effectiveness and economic impact related to addiction prevention and treatment strategies.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** ADS 110 X**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area E, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**PSYC 6****Adult Development and Aging****Course Hours:** 54 hours lecture**3 Unit**

This course surveys the basic principles in the field of adult development and aging from adolescence to the aged including changes in memory, personality, and relationships later in life. The course covers terminology used in the study of aging and adult development including phases of aging, transitions, coping, and constructive or positive adaptation. Students will also analyze theoretical and research methodological issues in the study of adult maturation including challenges related to physiological changes, societal expectations, and challenges views on death and dying.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area E, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring Even**PSYC 15****Introduction to Guidance and Counseling****Course Hours:** 54 hours lecture**3 Unit**

This course provides an introduction to the whole guidance process, communication, functions, and various counseling theories. The course includes an integrated approach to basic helping skills utilizing theory, practice, and case application. Students develop the skills needed to establish effective, helping relationships.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**PSYC C1000****Introduction to Psychology (Formerly offered as PSYC 1)****Course Hours:** 54 hours lecture**3 Unit**

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** PSY 110**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:****PSYC 2****Developmental Psychology****Course Hours:** 54 hours lecture**3 Unit**

The content of Human Development includes theories, research methods and findings concerning physical, cognitive, and psychosocial development of the individual from conception through the entire life span.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** PSY 180**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**Sociology****SOCI 1****Introduction to Sociology****Course Hours:** 54 hours lecture**3 Unit**

An introductory study of the basic concepts, theoretical approaches, and methods of sociology. Topics typically include the analysis and explanation of social structure, group dynamics, socialization and the self, social stratification, culture and diversity, social change and global dynamics. Course objectives include the ability to apply sociological ideas to everyday life. Recommended Preparation: Eligibility or concurrent enrollment in college level English.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** SOCI 110**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D

**SOCI 1**

**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4  
**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall, Spring, Summer

**SOCI 10****3 Unit****Introduction to Criminology****Course Hours:** 54 hours lecture

This course will provide a sociological analysis of crime, criminal behavior, and the criminal justice system. It will examine the definition of crime and its violations, as well as the laws and methods used to control criminal behavior. The course will discuss measurement of crime and basic theoretical explanations of criminal behavior as well as the impact of crime on society.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** SOCI 160**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**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:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**SOCI 2****3 Unit****American Social Problems****Course Hours:** 54 hours lecture

An analysis of the major social problems of the 21st century with an emphasis on future trends. Topics will include crime, alcohol and drug abuse, deviance, problems of inequality, global social problems, and problems of social institutions.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** SOCI 115**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**SOCI 2**

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Fall, Spring

**SOCI 20****3 Unit****Introduction to Social Justice****Course Hours:** 54 hours lecture

This course examines social justice movements as they advocate for people marginalized on the basis of race, nationality, gender, sexuality, and/or religion in the United States. It explores theories of justice, the history of social justice movements, and contemporary issues through the lenses of sociology, history, media studies, art and music. Social justice movements in relation to ethnic and racial groups in the United States are examined to provide a basis for a better understanding of the socio-economic, cultural and political conditions among key social groups. Interdisciplinary study of race and ethnicity in the United States is analyzed.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** SJS 110**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**SOCI 22****3 Unit****Introduction to LGBTQ Studies****Course Hours:** 54 hours lecture

This introductory course examines a broad range of contemporary gay, lesbian, bisexual, transgender, and queer issues in various contexts including bio-medical, sociological, political, racial and sexual.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** SJS 130**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**SOCI 25****3 Unit****Introduction to Social Work****Course Hours:** 54 hours lecture

This course is an introductory overview of social welfare and the societal institutions in the U.S. that provide aspects of social services and social work. Special attention is given to current service delivery systems, their policies and procedures, and the tasks of culturally responsive social workers and human service workers within those settings.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4

**SOCI 25**

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio  
**Offered:** Spring Even

**SOCI 3****3 Unit****Sociology of Modern Family Life****Course Hours:** 54 hours lecture

Sociological analysis of the family as an institution. An exploration of human relationships in anticipation of, preparation for, and participation in marriage and family life. An examination of social change as it affects the institution of the family. Analysis of social aspects which make for success or failure in relationships.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** SOCI 130**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**SOCI 7****3 Unit****Introduction to Race and Ethnicity****Course Hours:** 54 hours lecture

This course will provide a sociological analysis of race, ethnicity, and racism. Topics will include political, economic, religious, judicial, and familial organization of ethnic communities. The effects of the dominant society on these institutions will also be discussed. The course will emphasize recent socio-political movements as well as historical and contemporary patterns of interaction between various racial and ethnic groups.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** SOCI 150**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**SOCI 9****3 Unit****Sociology of Gender****Course Hours:** 54 hours lecture

This course provides a sociological analysis of the social construction of gender, masculinity, and femininity historically and cross-culturally. It analyzes the impact of economic and political change on gender expectations and practices. This course will examine the role and status of women and men in society, emphasizing sexual inequality and recent changes that affect the family, education, economy, law, and other societal institutions. The course may also focus on microanalyses of how individuals are socialized and how they "do" and practice gender.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**SOCI 9****C-ID:** SOCI 140**CSU:** Cal-GETC 4:Social&BehaviorSci, CSU GE Area D**UC:** Cal-GETC 4:Social&BehaviorSci, IGETC Area 4**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall

## Spanish

**SPAN 1A****4 Unit****Beginning Spanish****Course Hours:** 72 hours lecture

This introductory course teaches beginning language acquisition in a cultural context through listening, speaking, reading and writing. Students will interact with authentic language in cultural context. Proficiency- oriented approach to Spanish, designed to give students skills in orally communicating in the target language. This course focuses instruction of Spanish within cultural context.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** SPAN 100**CSU:** CSU GE Area C2**UC:** IGETC Area 6A**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**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:** SPAN 110**CSU:** CSU GE Area C2**UC:** IGETC Area 6A**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring

## Student Development

**SDEV 150****0 Unit****Basic Study Skills Laboratory****Course Hours:** 54 hours laboratory

This is a non-credit course in basic study skills. This course covers a variety of basic learning strategies and study skills techniques including note-taking, test-taking, memory enhancement, and time management. Individualized instruction will occur through media and readings.

**Grading:** Noncredit



**SDEV 150****Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Traditional (Fully In-Person), Online - Asynchronous**Offered:** Fall, Spring, Summer**SDEV 151****0 Unit****Supervised Tutoring****Course Hours:** 54 hours laboratory

This course is designed to provide students with individual and small-group tutoring in specific subject areas to improve academic performance. Tutoring appointments will be scheduled, per the guidelines established by the specific location at which tutoring is offered, on a recurring, as-needed, and/or drop-in basis.

**Grading:** Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Traditional (Fully In-Person), Online - Asynchronous**Offered:** Fall, Spring, Summer**SDEV 161****0 Unit****Basic Skills Instruction -****Reading/Vocabulary/Grammar****Course Hours:** 18-108 hours lecture

This course is a refresher in the study of reading, vocabulary, and grammar skills. The reading skills include main idea, restatement, inference, and supporting details. Vocabulary skills include Latin and Greek roots and prefixes and utilizing vocabulary in context. Grammar skills will include how to identify and use effective grammar and sentence structure and how to express meaning and use effective grammar and sentence structure to express that meaning. Students must take the TABE or CASAS before enrolling in the program.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**SDEV 162****0 Unit****Basic Skills Instruction - Mathematics****Course Hours:** 18-108 hours lecture

This course is refresher in the study of mathematics. The mathematics skills include the following mathematical concepts: whole numbers, fractions, decimals, percents, conversion of measures, story problems, basic geometry, and basic algebra.

**Grading:** Audit, Noncredit**SDEV 162****Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer

# Supply Chain Management

**WARE 100****0 Unit****Forklift Operations****Course Hours:** 18 hours lecture

This noncredit course is designed to give students training in forklift and other industrial powered trucks typically used in the warehousing and distribution industries including operation, inspection, basic maintenance, and safety in accordance with Cal OSHA standards. Upon successful completion of course, the student will receive certification in accordance with CalOSHA to test for forklift license in California.

**Grading:** Audit, Noncredit**Repeatability:** Unlimited**Credit:** Noncredit**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring, Summer**WARE 51****3 Unit****Introduction to Operations and Supply Chain Management****Course Hours:** 54 hours lecture

This course is designed to explore logistical business process, managing quality, product development, services, operations planning and supply chain layout decisions in manufacturing. This exploration will expand the breadth of knowledge using simulation modeling and theory exploration.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**WARE 52****3 Unit****Introduction to Warehousing and Distribution****Course Hours:** 54 hours lecture

This course integrates the aspects of warehousing and distribution processes and techniques, including distribution planning and terminology. Topics addressed include transportation methods, Occupational Safety and Health

**WARE 52**

Administration requirements, shipping, marketing, receiving procedures, and inventory control.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**WARE 54****3 Unit****Material Handling**

**Course Hours:** 54 hours lecture

This course is designed to explore various applications of automated material handling systems in the warehousing and distribution industry. Students will examine the dynamics of inventory movement as it pertains to the functionality and infrastructure of mechanized warehousing and distribution facilities.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**WARE 55****3 Unit****Principles of Logistics**

**Course Hours:** 54 hours lecture

This course introduces the new student to the concepts in product distribution, including supply chain management, integrated logistics and associated activities.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**WARE 59****3 Unit****Introduction to Purchasing**

**Course Hours:** 54 hours lecture

This course is designed to explore the basics of purchasing principles and management. A variety of topics will be addressed, including objectives and organizations, key purchasing variables, applications, and systems and controls.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**WARE 59**

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**Theatre Arts****TART 1****3 Unit****Beginning Acting**

**Course Hours:** 54 hours lecture

This course prepares a student to apply basic acting theory to performance and develops the skills of interpretation of drama through acting. Special attention is paid to skills for performance: memorization, stage movement, vocal production, and interpretation of text.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** THTR 151

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall

**TART 10****3 Unit****Introduction to Theatre Design**

**Course Hours:** 36 hours lecture; 54 hours laboratory

This is an introductory course in the theory and practice of scenic, lighting, property, costume, and sound design for theatrical productions. The lab explores the application of production practices and the principles of stagecraft.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Transferrable

**Modality:** Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

**TART 12A****1-4 Unit****Beginning Classical Theatre Production**

**Course Hours:** 54-216 hours laboratory

This course provides an introduction to instruction and supervised participation in rehearsal and performance of a classical play. This class provides an opportunity for students to perform in their first role in a Barstow Community College classical production as a member of the cast. It includes applied study and the basic practice of script analysis, acting techniques, and other performance skills. All actors are required to audition for roles. Limitation on Enrollment: This course has a public performance component to it, therefore, students must audition and/or interview with the director to enroll in this course.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**TART 12A****C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 12B****1-4 Unit****Intermediate Classical Theatre Production****Course Hours:** 54-216 hours laboratory

This course provides instruction and supervised participation in rehearsal and performance of a classical play. This class provides an opportunity for students to perform in their second role in a Barstow Community College classical production as a member of the cast. Students investigate more sophisticated performance techniques as well as develop intermediate approaches to script analysis, scoring, and characterization. All actors are required to audition for roles. Prerequisite: TART 12A. Limitation on Enrollment: This course has a public performance component to it, therefore, students must audition and/or interview with the director to enroll in this course.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 12C****1-4 Unit****Advanced Classical Theatre Production I****Course Hours:** 54-216 hours laboratory

This course provides instruction and supervised participation in rehearsal and performance of a classical play. This class provides an opportunity for students to perform in their third role in a Barstow Community College classical production as a member of the cast. Students apply increasingly advanced rehearsal and performance techniques to the study of characters with great complexity, depth, correct vocal projection and diction, and appropriate movement. All actors are required to audition for roles. Prerequisite: TART 12B.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 12D****1-4 Unit****Advanced Classical Theatre Production II****Course Hours:** 54-216 hours laboratory

This course provides instruction and supervised participation in rehearsal and performance of a classical play. This class provides an opportunity for students to perform in their fourth role in a Barstow Community College classical

**TART 12D**

production as a member of the cast. Students apply an advanced skill set of classical acting techniques toward rehearsal and performance and will include background research of their character, the playwright, reviews, and previous productions. All actors are required to audition for roles. Prerequisite: TART 12C.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 13A****1-4 Unit****Beginning Musical Theatre Production****Course Hours:** 54-216 hours laboratory

This course provides an introduction to instruction and supervised participation in rehearsal and performance of a musical. This class provides an opportunity for students to perform in their first role in a Barstow Community College musical production as a member of the cast and/or crew. It includes applied study and the basic practice of script analysis, acting techniques, singing, choreography, and other performance skills. All actors are required to audition for roles. Limitation on Enrollment: This course has a public performance component to it, therefore, students must audition and/or interview with the director to enroll in this course.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**TART 13B****1-4 Unit****Intermediate Musical Theatre Production****Course Hours:** 54-216 hours laboratory

This course provides instruction and supervised participation in rehearsal and performance of a musical. This class provides an opportunity for students to perform in their second role in a Barstow Community College musical production as a member of the cast. Students investigate more sophisticated performance techniques as well as develop intermediate approaches to script analysis and characterization along with singing and dancing with accuracy and character. All actors are required to audition for roles. Prerequisite: TART 13A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**TART 13B****Offered:** Spring**TART 13C****1-4 Unit****Advanced Musical Theatre Production I****Course Hours:** 54-216 hours laboratory

This course provides instruction and supervised participation in rehearsal and performance of a musical. This class provides an opportunity for students to perform in their third role in a Barstow Community College musical production as a member of the cast. Students apply increasingly advanced rehearsal and performance techniques to the study of characters with great complexity and depth along with singing and dancing with accuracy, character, and depth. All actors are required to audition for roles. Prerequisite: TART 13B.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**TART 13D****1-4 Unit****Advanced Musical Theatre Production II****Course Hours:** 54-216 hours laboratory

This course provides instruction and supervised participation in rehearsal and performance of a musical. This class provides an opportunity for students to perform in their fourth role in a Barstow Community College musical production as a member of the cast. Students apply an advanced skill set of acting techniques toward rehearsal and performance, and will be expected to chart in detail with critical analysis of the process from page to stage. Students will sing and dance with commitment, flair, and with a nuanced character development. This will include background research of their character, the playwright, reviews, and previous productions. All actors are required to audition for roles. Prerequisite: TART 13C.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**TART 14A****1-4 Unit****Technical Theatre in Production I****Course Hours:** 54-216 hours laboratory

This course introduces instruction and supervised participation in a college production as a technical assistant, assistant to the designer, or crew member. It includes applied study and the basic practice of one or more of the following areas during the development of the play or musical: stage management, scenery building and painting, stage lighting, props, sound, make-up, hair, costuming, stage

**TART 14A**

operations, publicity, and/or house management.

Recommended Preparation: TART 10, TART 16, TART 17, TART 18, TART 19.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**TART 14B****1-4 Unit****Technical Theatre in Production II****Course Hours:** 54-216 hours laboratory

This course provides an intermediate level of instruction and supervised participation in a college production as a technical assistant, assistant to the designer, or crew member with a greater level of responsibility. It includes applied study and a practice of one or more of the following areas during the development of the play or musical: stage management, scenery building and painting, stage lighting, props, sound, make-up, hair, costuming, stage operations, publicity, and/or house management. Prerequisite: TART 14A. Recommended Preparation: TART 10, TART 16, TART 17, TART 18, TART 19.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**TART 14C****1-4 Unit****Technical Theatre in Production III****Course Hours:** 54-216 hours laboratory

This course provides an opportunity for students to participate in a college production in an intermediate leadership level as a member of the production crew. It includes applied study and a practice of one or more of the following areas during the development of the play or musical: stage management, scenery building and painting, stage lighting, props, sound, make-up, hair, costuming, stage operations, publicity, and/or house management. Prerequisite: TART 14B. Recommended Preparation: TART 10, TART 16, TART 17, TART 18, TART 19.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring

**TART 14D****Technical Theatre in Production IV****Course Hours:** 54-216 hours laboratory**1-4 Unit**

Provides an opportunity to participate at an advanced leadership level as a member of the production crew, technical staff or design team of a college production. It includes applied study and a practice of one or more of the following areas during the development of the play or musical: stage management, scenery building and painting, stage lighting, props, sound, make-up, hair, costuming, stage operations, publicity, and/or house management.  
Prerequisite: TART 14C. Recommended Preparation: TART 10, TART 16, TART 17, TART 18, TART 19.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**TART 15****Script Analysis****Course Hours:** 54 hours lecture**3 Unit**

This course provides an introduction to the fundamental techniques of script analysis. The class will focus on critical and social analysis of structure, genre, theme, style, character, language, and dramatic event from the point of view of the actor, director, critic, and designer.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 16****Stagecraft****Course Hours:** 36 hours lecture; 54 hours laboratory**3 Unit**

The class is an introduction to the theory and practice of stagecraft including construction techniques, painting, properties, rigging and lighting, sound, knowledge of tools and equipment, shop safety, and computer assisted set-lighting and sound design. Emphasis will be placed on the vocabulary, theory, skills, application and collaborative nature of stagecraft and technical theater production.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 17****Introduction to Stage Lighting****Course Hours:** 36 hours lecture; 54 hours laboratory**3 Unit**

This course involves the study and execution of stage lighting with emphasis on equipment, control, color, and their relationship to design.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**TART 18****Introduction to Stage Costume****Course Hours:** 36 hours lecture; 54 hours laboratory**3 Unit**

Students will study costume history, design, and basic construction techniques as an introduction to basic theatrical costuming. Fabrics and their various uses will be investigated.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**TART 19****Introduction to Stage Makeup****Course Hours:** 36 hours lecture; 54 hours laboratory**3 Unit**

Students will receive instruction and practice in a lecture/laboratory setting in the theory, design, and application of makeup for theatre, including corrective, character, and non-realistic makeups for the various theatrical forms.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 23A****Beginning Jazz Dance (Formerly offered as TART 23)****Course Hours:** 54 hours laboratory**1 Unit**

This course is an introduction to the highly stylized dance form known as jazz which incorporates African, Latin, Theatrical, and Contemporary movement and music styles. Since jazz dance is an important American vernacular dance genre, the most current trends in television, film, and stage dance may be included. The historical roots and development of jazz as a fusion dance form of North America will be

**TART 23A**

studied. There is no additional cost for this class. This course is designed for the beginner student with no dance experience who is interested in jazz dance or basic movement.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Other Independent Study, Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**TART 23B****1 Unit****Intermediate Jazz Dance**

**Course Hours:** 54 hours laboratory

This course further develops a student performance of jazz dance vocabularies and fundamentals. Proper alignment, improved flexibility, and increased strength and endurance will be emphasized. The continued development of self-expression will also be stressed as this is a highly stylized dance form. There is no additional cost for this class. This course is designed for the student who has taken TART23A and is interested in continuing their jazz dance education. Prerequisite: TART 23A

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Other Independent Study, Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**TART 23C****1 Unit****Advanced Jazz Dance I**

**Course Hours:** 54 hours laboratory

This course facilitates the study of jazz dance technique at a more advanced level, focusing on the student's development of technical skills and vocabulary specific to the jazz dance genre. A variety of classical and contemporary presentational styles will be explored as well as the historical and cultural context of jazz dance. This course promotes the student's examination of movement dynamics, musicality, and rhythm as they apply to technical and expressive movement skills. There is no additional cost for this class. This course is designed for students who have taken TART23B and want to continue their study of jazz dance at an advanced level. Prerequisite: TART 23B

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Other Independent Study, Online - Asynchronous, Interactive Video/Audio

**TART 23C**

**Offered:** Fall, Spring

**TART 23D****1 Unit****Advanced Jazz Dance II**

**Course Hours:** 54 hours laboratory

This course facilitates the continued study of jazz dance technique at an advanced level and focuses on the synthesis of technical skills with artistic expression. Through the study of various expressions of jazz dance, including concert, musical theatre, and street forms, students will deepen their expressive skills and dynamic range as well as their historical understanding of the genre. There is no additional cost for this class. This course is designed for those that have taken TART23C and want to continue their study of advanced jazz dance technique. Prerequisite: TART 23C

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Other Independent Study, Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

**TART 24A****1 Unit****Beginning Modern Dance**

**Course Hours:** 54 hours laboratory

This course is an introduction to modern dance. Students will learn the basic vocabulary and movements of modern dance with an emphasis on body and spatial awareness, alignment, locomotor skills, and conditioning the body. Students will also learn about the history of modern dance as a performing art and will view examples of modern dance in class.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Transferrable

**UC:** Not Transferable

**Modality:** Other Independent Study, Laboratory, DE-Internet Simultaneous Int, DE-Internet Delayed Int, DE-2way Interactive Video/Audio

**Offered:** Spring

**TART 24B****1 Unit****Intermediate Modern Dance**

**Course Hours:** 54 hours laboratory

This course is designed to build on the basics of modern dance adding new vocabulary and movements. Emphasis will be on alignment, strength, flexibility, balance, and coordination. Students will learn about the historical context of the art form and its roots in Western culture. Prerequisite: TART 24A

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**TART 24B****CSU:** Transferrable**UC:** Not Transferable**Modality:** Other Independent Study, Laboratory, DE-Internet Simultaneous Int, DE-Internet Delayed Int, DE-2way Interactive Video/Audi**Offered:** Spring**TART 24C****1 Unit****Advanced Modern Dance I****Course Hours:** 54 hours laboratory

This course expands upon the foundations of modern dance technique with an emphasis on performance skills, self-expression, and musicality. Students will practice increasingly complex connecting combinations challenging kinesthetic abilities. Students will learn about the evolution of modern dance in the twentieth century and its roots in United States culture. Prerequisite: TART 24B

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Other Independent Study, Laboratory, DE-Internet Simultaneous Int, DE-Internet Delayed Int, DE-2way Interactive Video/Audi**Offered:** Spring**TART 24D****1 Unit****Advanced Modern Dance II****Course Hours:** 54 hours laboratory

This course will present an advanced level modern dance technique, challenging skills with increasingly complex movement patterns and physicality. Emphasis will be on developing creative skills and generating interpretive dance phrases. Students will learn about contemporary modern dance choreographers. Prerequisite: TART 24C

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Other Independent Study, Laboratory, DE-Internet Simultaneous Int, DE-Internet Delayed Int, DE-2way Interactive Video/Audi**Offered:** Spring**TART 3****3 Unit****Theatre Appreciation****Course Hours:** 54 hours lecture

This survey course will foster a student's appreciation of theatre and the performing arts. The course examines the duties and responsibilities of the various creative artists such as director, actor, designers, and playwrights and the process of creating live theatre.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** THTR 111, THTR 112**TART 3****CSU:** Cal-GETC 3B:Humanities, CSU GE Area C1, CSU GE Area C2**UC:** Cal-GETC 3B:Humanities, IGETC Area 3B**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring**TART 4A****1 Unit****Beginning Broadway Voice****Course Hours:** 54 hours laboratory

This course is an introductory study of efficient vocal production and performance. Beginning exercises for breath management, extending the vocal range, increasing vocal resonance and volume, and singing in an expressive manner are introduced. Application of technique will be employed through the study of different musical genres within musical theatre literature.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**TART 4B****1 Unit****Intermediate Broadway Voice****Course Hours:** 54 hours laboratory

This course is an in-depth study of specific elements of efficient vocal technique and performance, including vowel purity, belt singing, and song interpretation. Application of technique will be employed through the study of different musical genres within musical theatre literature. Prerequisite: TART 4A.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**TART 4C****1 Unit****Advanced Broadway Voice I****Course Hours:** 54 hours laboratory

This course is an in-depth study of specific elements of efficient vocal technique and performance. This includes breath management in relation to posture, expressive singing via physical movement, unifying the register and range extension, resonance and vocal registers, expressive singing, and stage presence. Application of technique will be employed through the study of different musical genres within musical theatre literature. Prerequisite: TART 4B.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable

**TART 4C****C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**TART 4D****1 Unit****Advanced Broadway Voice II****Course Hours:** 54 hours laboratory

This course is an in-depth study of specific elements of efficient vocal technique and performance. This includes breath management using an efficient onset and release, managing the performance, and song analysis to prepare a vocal piece for performance. Application of technique will be employed through the study of different musical genres within musical theatre literature. Prerequisite: TART 4C.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**TART 5A****1-4 Unit****Beginning Contemporary Theatre Production****Course Hours:** 54-216 hours laboratory

This course provides an introduction to instruction and supervised participation in theatre rehearsal and performance. This class provides an opportunity for students to perform in their first role in a Barstow Community College production as a member of the cast and/or crew. It includes applied study and the basic practice of script analysis, acting techniques, technical theatre, and other performance skills through preparation and performance of a contemporary, non-musical theatre production. All actors are required to audition for roles.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 5B****1-4 Unit****Intermediate Contemporary Theatre Production****Course Hours:** 54-216 hours laboratory

This course provides instruction and supervised participation in theatre rehearsal and performance. This class provides an opportunity for students to perform in their second role in a Barstow Community College production as a member of the cast. Students investigate more sophisticated performance techniques as well as develop intermediate approaches to script analysis and characterization. All actors are required to audition for roles. Prerequisite: TART 5A.

**TART 5B****Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 5C****1-4 Unit****Advanced Contemporary Theatre Production I****Course Hours:** 54-216 hours laboratory

This course provides instruction and supervised participation in theatre rehearsal and performance. This class provides an opportunity for students to perform in their third role in a Barstow Community College production as a member of the cast. Students apply increasingly advanced rehearsal and performance techniques to the study of characters with great complexity and depth. All actors are required to audition for roles. Prerequisite: TART 5B. Limitation on Enrollment: This course has a public performance component to it, therefore, students must audition and/or interview with the director to enroll in this course.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**TART 5D****1-4 Unit****Advanced Contemporary Theatre Production II****Course Hours:** 54-216 hours laboratory

This course provides instruction and supervised participation in theatre rehearsal and performance. This class provides an opportunity for students to perform in their fourth role in a Barstow Community College production as a member of the cast and/or crew. Students apply an advanced skill set of acting techniques toward rehearsal and performance, and will be expected to chart in detail with critical analysis of the process from page to stage. This will include background research of their character, the playwright, reviews, and previous productions. All actors are required to audition for roles. Prerequisite: TART 5C. Limitation on Enrollment: This course has a public performance component to it, therefore, students must audition and/or interview with the director to enroll in this course.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall



**TART 6****Intermediate Acting****Course Hours:** 54 hours lecture

This course follows Beginning Acting (or production classes as an actor) and continues the exploration of theories and techniques used in preparation for the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, and multiple scene work. Prerequisite: TART 1.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Transferrable**UC:** Transferrable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring Even**3 Unit**

# Welding

**WELD 50A****Introduction to Welding****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:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam**Offered:** Fall, Spring, Summer**3 Unit****WELD 51****Shielded Metal Arc Weld and Cut****Course Hours:** 36 hours lecture; 54 hours laboratory

This course will cover the use of welding electrodes, metals, and welding machines in shielded metal arc welding and the safe handling and use of oxyacetylene cutting. Prerequisites: WELD 50A and WELD 56.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**3 Unit****WELD 52****Position Welding (Arc Welding)****Course Hours:** 36 hours lecture; 54 hours laboratory

Advanced shielded metal arc welding. Electrodes and welding symbols. Prerequisite: WELD 51.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**3 Unit****WELD 54A****Gas Metal Arc Welding (GMAW)****Course Hours:** 36 hours lecture; 54 hours laboratory

This course will cover special welding processes and applications with the use of gas metal arc welding equipment. Using safe practices, students will operate welding equipment to produce acceptable GMAW welds in all positions and prepare students to obtain industry recognized certifications. Prerequisites: WELD 50A and WELD 56.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall**3 Unit****WELD 54B****Flux Cored Arc Welding (FCAW)****Course Hours:** 36 hours lecture; 54 hours laboratory

This course will cover special welding processes and applications with the use of flux cored arc welding (FCAW) equipment. Using safe practices, students will operate welding equipment to produce acceptable GMAW welds in all positions and prepare students to obtain industry recognized certifications. Prerequisites: WELD 50A and WELD 56.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Spring**3 Unit****WELD 55A****Gas Tungsten Arc Welding - 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. Prerequisites: WELD 50A and WELD 56.

**3 Unit**

## **WELD 55A**

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **WELD 55B**

**3 Unit**

**Gas Tungsten Arc Welding - 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. Prerequisites: WELD 50A and WELD 56.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Spring

## **WELD 56**

**3 Unit**

**Blueprint Reading (Metal Trades)**

**Course Hours:** 36 hours lecture; 54 hours laboratory

This course teaches basic techniques of interpreting and using engineering drawings or prints used in the metal trades. It also introduces visualization of objects, sectional drawings, orthographic and isometric projections, symbols, scales and practices used in blueprints for the metal trades.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio, Credit by Exam

**Offered:** Fall, Spring, Summer

## **WELD 57A**

**3 Unit**

**Welding Fabrication using Ferrous Metals**

**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. Prerequisites: WELD 52 or WELD 54A or WELD 54B or WELD 55A.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

## **WELD 57A**

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **WELD 57B**

**3 Unit**

**Welding Fabrication using Non-Ferrous Metals**

**Course Hours:** 36 hours lecture; 54 hours laboratory

Designed for the accomplished welding student to gain welding fabrication and repair welding principles and skills. Also, construction of complex and useful projects using non-ferrous metals. Prerequisites: WELD 52 or WELD 54A or WELD 54B or WELD 55B.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:** Fall, Spring

## **WELD 58A**

**3 Unit**

**Basic Pipe Welding - Shielded Metal Arc Welding**

**Course Hours:** 36 hours lecture; 54 hours laboratory

Theory and practical application of pipe joint preparation and design. AWS (American Welding Society), API (American Petroleum Institute), and ASME (American Society of Mechanical Engineers) welding code specifications for pipe and pipe fittings: electrode selections; welding blueprint and pipe welding symbols; and SMAW pipe joints. Destructive and non-destructive testing and methods of inspection and testing. Prerequisite: WELD 52 and WELD 56.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**CSU:** Not Transferable

**UC:** Not Transferable

**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio

**Offered:**

## **WELD 58B**

**3 Unit**

**Basic Pipe Welding - Gas Metal and Flux Cored Arc Welding**

**Course Hours:** 36 hours lecture; 54 hours laboratory

Theory and practical application of pipe joint preparation and design. AWS (American Welding Society), API (American Petroleum Institute), and ASME (American Society of Mechanical Engineers) welding code specifications for pipe and pipe fittings: electrode selections; welding blueprint and pipe welding symbols; and GMAW and FCAW pipe joints. Destructive and nondestructive testing and methods of inspection and testing. Prerequisite: WELD 54 and WELD 56.

**Grading:** Audit, Normal, Pass/No Pass

**Repeatability:** Course not repeatable

**Credit:** Degree Applicable

**C-ID:** None

**WELD 58B****CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall, Spring

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**WELD 58C****3 Unit****Basic Pipe Welding - Gas Tungsten Arc Welding****Course Hours:** 36 hours lecture; 54 hours laboratory

Theory and practical application of pipe joint preparation and design. AWS (American Welding Society), API (American Petroleum Institute), and ASME (American Society of Mechanical Engineers) welding code specifications for pipe and pipe fittings: electrode selections; welding blueprint and pipe welding symbols; and GTAW pipe joints. Destructive and non-destructive testing and methods of inspection and testing. Prerequisite: WELD 55 and WELD 56.

**Grading:** Audit, Normal, Pass/No Pass**Repeatability:** Course not repeatable**Credit:** Degree Applicable**C-ID:** None**CSU:** Not Transferable**UC:** Not Transferable**Modality:** Web Conferencing (F2F/Synch), Traditional (Fully In-Person), Online - Asynchronous, Interactive Video/Audio**Offered:** Fall

# APPENDIX A: ADMINISTRATION

## **Superintendent-President**

Dr. Eva Bagg

## **Executive Assistant to the Superintendent-President & Board of Trustees**

Michelle Henderson

## **Vice President of Administrative Services**

Deedee Garcia

## **Budget Analyst**

Karli Godfrey

## **Vice President of Academic Affairs**

Michael Wangler

## **Vice President of Student Services (Interim)**

Dr. Cuauhtemoc Carboni

## **Vice President of Human Resources**

Rocio Chavez

## **Human Resource Specialist – Classified**

Lakiesha Lewis

## **Human Resource Specialist – Certificated**

Paulette Pereira

## **Human Resources Specialist – Leaves and Benefits**

Barbara Rose

## **Executive Dean of Strategic Partnerships & Workforce Development**

Dr. Laura Alvarado

## **Dean of Counseling and Student Success**

Clementina Macias

## **Dean of Instruction**

Emily Garrison

## **Director of Distance Education and Instructional Technology**

Nancy Olson

## **Associate Dean of Instruction**

Angela Cardinale

## **Associate Dean/Athletic Director Kinesiology and Athletics**

James Stellino

## **Dean of Career Technical Education**

Dr. Jennifer Rodden

## **Director of Human Resources Organizational Development & Process Improvement**

Vacant

## **Director of Public Relations, Communication & Marketing**

Amanda Simpson

## **Executive Director of Research, Development & Planning**

Lisa Holmes

## **Executive Director of Information Technology**

Ronald Johnson

## **Executive Director of Campus Operations**

Deanna Sanabria

## **Director of Application Services (Interim)**

Komal Bandyopadhyay

## **Director of Fiscal Services**

Terri Walker

## **Director of Maintenance & Operations**

James Hochstedler

## **Director of Military & Veteran's Programs**

Michelle Bond

## **Dean of Enrollment Management and Services**

Heather Minehart

## **Director of Student Life & Conduct**

Javier Mulato

## **Director of Financial Aid**

Juan Eason

## **Director of Special Programs & Services**

Samera Kabir

## **Director of Basic Needs Center**

Magaly Rojas

## **Director of Career and College Access Pathways**

Jenea Rodriguez-Haywood

## **Director of Barstow Community College Adult Education and Barstow Area Consortium for Adult Education**

Maria Elena Rivera

# APPENDIX B: FULL TIME FACULTY

**Aboud, Ibrahim (2014)**

*English*

B.A. CSU, San Bernardino  
M.A. CSU, San Bernardino

**Banton, Christa (2020)**

*Counselor, Mental Health*

B.A. CSU, San Bernardino  
M.S. California Baptist University  
Ed.D. Argosy University

**Batarseh, Ayoub (Jacob) (2001)**

*Computer Information Systems*

B.S. University of Illinois, Chicago  
M.S. University of Illinois, Chicago

**Bento, Gustavo (2013)**

*Psychology*

B.A. University of California, Los Angeles  
M.A. University of California, Los Angeles  
M.A. CSU, San Bernardino

**Bishop, Ryan (2025)**

*Counselor, General*

B.A. Azusa Pacific University  
M.S. Azusa Pacific University

**Blaine, Eric (2012)**

*Automotive/Diesel*

A.S. Barstow Community College  
B.S. CSU, San Bernardino

**Bradford, Heather (2022)**

*Basic Skills*

B.A. CSU, San Bernardino  
M.Ed. Concordia University, Nebraska

**Cervantes, Crystal (2024)**

*Counselor, General*

B.S. CSU, Monterey Bay  
M.A. University of Massachusetts Global

**Colleoc, Ronan (2025)**

*Administration of Justice*

B.A. CSU, San Bernardino

**Duque, Rodolfo (2014)**

*Math*

B.A. CSU, San Bernardino  
M.A. Claremont Graduate School  
Ed.D. Argosy University

**Esperanza, Peter (2019)**

*Math*

B.S. De La Salle University  
M.A. Southwestern University  
Ph.D. Cebu Technological University

**Firtha, Christie (2008)**

*English*

B.A. University of California, Riverside  
M.A. University of California, Riverside  
Ph.D. University of California, Riverside

**Franco, Lilia (2018)**

*Counselor, General*

B.A. University of California, Riverside  
M.A. University of Redlands

**Freeman, Kyri (2006)**

*Library Sciences*

B.A. University of California, Santa Cruz  
M.A. University of California, Los Angeles  
M.A. San Jose State University

**Gallagher, Julie (2021)**

*Biology*

B.A. CSU, Long Beach  
M.A. Brandman University  
M.S. Point Loma Nazarene University

**Garcia Vallejo, Antonio (2024)**

*Astronomy/Physics*

B.S. CSU, San Bernardino  
M.S. CSU, Long Beach

**Gardner, Patricia (2025)**

*Cosmetology*

B.A. DePaul University  
M.Ed. University of Illinois Urbana-Champaign

**Goldstein, Lewis (2005)**

*Art*

B.F.A. University of Hawaii  
M.F.A. University of Hawaii

**Howey, Dawn (2005)**

*Sociology*

B.A. CSU, Fullerton  
M.A. CSU, Fullerton

**Jameson, Aleah (2023)**

*Counselor, General*

B.S. Arizona State University  
M.Ed. Southern Arkansas University

**Karpel, Michael (2008)**

*Physical Education*

M.Ed. Azusa Pacific University  
Ph.D. Brigham Young University

**Lara, Patricia (2022)**

*Sociology*

B.A. CSU, Northridge  
M.A. CSU, Northridge  
M.Ed. University of Southern California

**Lealofi, Apineru (2008)***Counselor, General*

B.A. CSU, San Bernardino

M.A. CSU, Long Beach

**Lenerville, Jacob (2023)***History/Political Science*

B.A. Vanguard University

M.A. CSU, Long Beach

**Maldonado, Lourdes (2024)***Counselor, General*

B.S. CSU, San Bernardino

M.S. CSU, San Bernardino

**Matteson, Melissa (2018)***Counselor, Special Programs*

B.A. CSU, East Bay

M.A. Azusa Pacific University

**Murphy, Jill (2009)***English as a Second Language*

B.A. University of California, San Diego

M.A. CSU, San Bernardino

**Nalbandian, Christopher (2019)***Chemistry*

B.A. CSU, Channel Islands

M.A. San Diego State University

Ph.D. University of California, San Diego

**Nylander, Susan (2013)***English*

B.A. University of California, Riverside

M.A. CSU, San Bernardino

**Packer, Brian (2023)***Welding*

B.S. Park University

M.B.A. Park University

**Pasley, Denise (2015)***Business Management*

B.A. Chatham University

M.S.M. Colorado Technical University

**Puryear, Ellis Taylor (2004)***Health/Physical Education*

B.A. Southern California College

M.S. CSU, Fullerton

**Ramos, Nelson (2019)***Math*

B.A. CSU, Northridge

M.S. CSU, Northridge

**Ranney, Beverly (2013)***Biology*

B.S. Eastern Washington University

M.S. Eastern Washington University

Ph.D. University of Alaska

**Rehfeld, Andrew (2017)***Philosophy*

B.A. Azusa Pacific University

M.A. University of Leuven

**Ross, Amy (2002)***Music/Theater*

B.A. Sonoma State University

M.F.A. University of Nevada, Las Vegas

**Sage, Bret (2003)***Biology*

B.S. CSU, Bakersfield

M.S. CSU, Long Beach

**ShaBazz-Ugwumba, Sarah (2022)***Child Development*

B.A. California Baptist University

Ph.D. Walden University

**Shreve-Smith, Penny (2004)***English*

B.A. CSU, Fullerton

M.A. CSU, Fullerton

Ed.D. Brandman University

**Spangler, Austin (2024)***Cosmetology*

A.S. Butte College

**Vartanian, Sona (2000)***Math*

B.S. CSU, Fresno

M.S. University of California, Los Angeles

**Vasconcellos, Ramon (2004)***History/Economics/Accounting/Business*

B.A. CSU, Northridge

M.A. CSU, Los Angeles

M.B.A. Woodbury University

**Vasquez, Eduardo (2015)***Counselor, Special Programs*

B.A. University of California, Riverside

M.S. University of La Verne

Ed.D. CSU, San Bernardino

**Vizenor, Ashley (2020)***Chemistry*

B.S. CSU, San Bernardino

Ph.D. University of Riverside

**Worland, Jennafer (2017)***Television, Film, Theatre*

B.A. UC, Riverside

M.F.A. CSU, Los Angeles

# APPENDIX C: STAFF

## **Office of the President**

**PIO Assistant** – Samantha Layland

**Web Content Editor** – Amir Paniagua

## ***Institutional Research***

**Research Analyst** – Antoinette Andriese and Vacant

## ***Payroll***

**Payroll Specialist** – Martha Avalos and Sijuan Cantrell

## **Administrative Services**

**Administrative Assistant** – Emily Melendez Rubio

## ***Institutional Technology***

**Information Technology Specialist**  
Glenn Barr, Carl Delzell, and Timothy West

## ***Network Specialist***

Mike Mayoros

**Cyberinfrastructure Specialist** – Vacant

## ***Management Information Systems***

**Application Developer/Programmer** – Caitlyn Gempfer, Courtney Quenga, and Cresenciana Rios

## ***Business Office***

**Purchasing Technician** – Lorena Aguilar

**Accounting Technician II** – Amy Caasi and Richard Mendoza

**Accounting Technician I** – Alicia Felton and Jamie Tennyson

## ***Maintenance & Operations***

**M&O Specialist** – Susan Manjarrez

**Multi-Craft Maintenance Specialist**– Jeffery Bowen and Lucas Majourau

**HVAC Specialist** – Vacant

**Grounds Specialist** – Brian Jones, Jesus Ramirez, Carlos Zetina, and Martin Zetina

**Custodian** – John Delzell, Michael Hanson, Danny Martinez, David Sundstrom, and William Tierney

## **Student Services**

**Administrative Assistant** – Valerie Wendlandt  
**Counseling**

**ACCESS Program Specialist** – Linda Pugliese

**ACCESS Instructional Aid** – Salvador Caballero

**Student Success & Equity Coordinator** – Anissa Mitchell

**Student Success Advisor** – Ilana Anderson

**Transfer & Career Center Coordinator** – Jessica Tainatongo

**Student Success Advisor** – Angelo Escobar

## ***Enrollment Services***

**Curriculum & Scheduling Specialist** – Heather Brang

**A&R Technician III** – Andrew Church

**A&R Evaluator** – Tannessa Tinley

**Student Services Technician** – Felicia Espinoza and Melodia Torres

**Financial Aid Technician III** – Wendy Packer

**Financial Aid Specialist** – Mauca Brina Willis

**Financial Aid Technician I** – Aryanna Chinn and Cynthia Zamora

**Student Success Secretary** – April Yanez

**Student Success Advisor** – Lucia De La Rosa, Estella Gonzalez, and Vacant

## ***Special Programs & Services***

**Special Programs Specialist** – Griselda Montano

**Student Success Advisor** – Briann Garcia, Mattie Mendibles, and Vacant

**EOPS Coordinator** – Olivia Duran

**Special Programs & Services Secretary** – Jalissa Davalos and Michele White

**Basic Needs Specialist** – Vacant

**Basic Needs Coordinator** – Andrea Galeas

## ***Mental Health Services***

**Mental Health Coordinator** – Shannon Delzell

## **Academic Affairs**

**Administrative Assistant** – Ceri Satur

## ***Athletics***

**Athletics Specialist** – Gloria Basinger

**Athletic Trainer** – Kevinz Carpio

***Instruction***

**Curriculum & Scheduling Specialist** –Patricia Kelley

**Instructional Lab Assistant, Sciences** – Tracy Miller

**Instructional Laboratory Coordinator** – Hector Garcia Luna

***Library***

**Library Technician II** – John Macomber

**Library Technician I** – Persephone Belle and Steven Smith

***Military and Veteran's Programs/Fort Irwin***  
**Learning Support Specialist** - Jocelyn Salaverria

**Student Success Advisor** – Sal Cervantes

**Student Services Specialist** – Grecia Risken

**Student Support Services Coordinator** – Vacant

***Computer Commons***

**Learning Support Specialist** –Malina Ramos, Cortney Rasplicka, and Crystal Villafana-Tafoya

***Career Technician Education (CTE)***

**Administrative Secretary** – Amber Park

**Student Services Technician** – Jacqueline Diaz

**FKCE Secretary** – Vacant

**Grant and Budget Specialist** – Michelle Berndt

**Career Ready Coordinator** – Melissa Church

***Distance Education & Learning Support Services***

**Instructional Design Specialist** – Aniko Kegyulics, Heather Robbins, and Adrienne Rodriguez